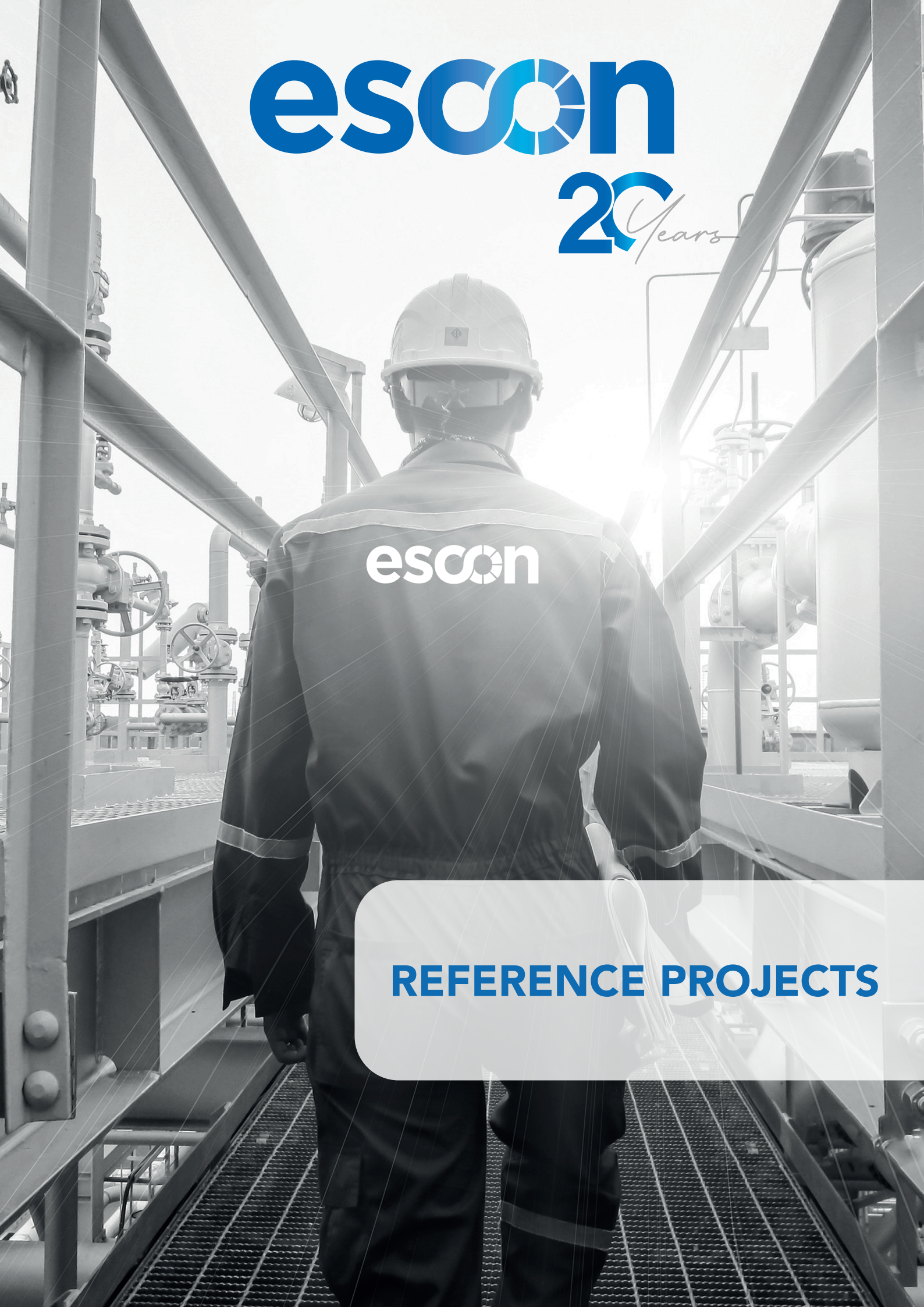


A grayscale background image of an industrial worker in a refinery. The worker is seen from behind, wearing a white hard hat and a dark jumpsuit with reflective stripes. The worker is walking on a metal walkway with a grating floor, surrounded by complex industrial piping and structures. The sky is bright and hazy.

escon

20*Years*

escon

REFERENCE PROJECTS

CONTACT

ESCON ENERJİ SİSTEMLERİ VE CİHAZLARI SAN. TİC. A.Ş.

Head Office

Address: Cevizli Mah. Orhangazi Cad. Tınaztepe Sok. No:26 Maltepe, İstanbul/Türkiye

 +90 (216) 380 0461

 +90 (216) 380 0462

 info@escon.com.tr

Technical Services

Address: Sakarya I. Organize Sanayi Bölgesi Mah. 12. Cad. No:2/22D Arifiye, Sakarya/Türkiye

 service@escon.com.tr

Biruni Technopark

Address: Kazlıçeşme Mah. 245. Sok. No:5 Zeytinburnu, İstanbul/Türkiye

Social Media:



esconenergy



Contents

01

About Us

- Who We Are?
- Esco4Zero
- Publications
- Awards

02

System Solutions

- Waste Heat Recovery
- Cooling Solutions
- Heat Pump
- Energy Monitoring System (Energy Eye)
- Other Solutions

03

Technical Assistance Projects

04

Energy Audits & Consultancy

- Sector Specific Projects
- Other Projects

ABOUT US



Founded in 2004 as Türkiye's pioneering company in the energy efficiency sector, ESCON operates as an Energy Services Company (ESCO), offering unique services to its clients in the fields of energy efficiency, energy transformation and renewable energy. Today, ESCON continues its efforts to be a reliable partner for businesses in the changing global ecosystem by focusing on combating climate change, achieving sustainable growth in harmony with the circular economy, and making investments based on environmental, social, and governance (ESG) principles. The company provides comprehensive support to businesses, helping them optimize their energy consumption, transform to green energy by reducing their carbon footprint, comply with emerging regulations and standards, manage climate change risks to improve corporate reputation, and gain a long-term competitive advantage.

Since its establishment, ESCON has successfully completed numerous projects both within the country and across international markets. These projects have allowed ESCON to help its clients reduce energy costs and carbon emissions. With its expert engineering team, respected international partners, and advanced technology-focused know-how infrastructure, ESCON continues to lead the energy efficiency sector in Türkiye and expand into the international markets.

Our Key Figures



1200+
Industrial
Facilities



1100+
Energy
Audits



400+
Consultancy
Services



1300+
Turn-Key
Projects



26
International
Projects



10+
Million TOE
Audit Size



20+
Years of
Experience



13
Countries



42
Energy
Performance
Contracts



5+ Million Tonnes
CO₂ Emission
Reduction



European Energy
Manager



Certified **ESCO** by
Minister of Energy and
Natural Resources



Performance
Contracting and
Finance
Professional



Measurement &
Verification
Professional



LEED
Green Building
Professional

Esco4Zero is a groundbreaking and innovative business model introduced by ESCON, Türkiye's leading energy services company. Known as "Key to Transition to a Carbon Zero Future," this model is designed to play a pivotal role in helping businesses reduce their carbon emissions to zero and transition to sustainable growth. Esco4Zero provides turnkey solutions, backed by performance guarantees and financial support, from the project development phase to the implementation of energy-saving, efficiency, transformation, and renewable energy technologies, all aimed at achieving a carbon-neutral economy.

Designed with ESCON's expertise and innovative approach, Esco4Zero helps clients lead the way toward a zero-carbon future, while simultaneously reducing energy costs and achieving environmental goals. This comprehensive business model stands out as a reliable partner in guiding customers through their sustainability journey.



We are proud that our dedication to excellence in energy efficiency and innovation has been recognized on the global stage with several prestigious honors.

- In 2024, we were awarded the Bronze Stevie Award in the “Energy Company of the Year - Medium-size” category at the International Business Awards, highlighting our leadership and impact in the energy sector.
- In the same year, we were also honored with the People’s Choice Stevie Award for Favorite Companies in the energy industry, a recognition that reflects the trust and appreciation of our stakeholders and global community.
- Earlier, in 2023, our innovative Esco4Zero business model earned us a Bronze Stevie Award in the “Energy Industry Innovation of the Year” category at the International Business Awards, underscoring our pioneering role in advancing sustainable business models.

These accolades are part of the Stevie Awards, the world’s premier business awards program. Established in 2002, the Stevie Awards were created to honor and generate public recognition of the achievements and positive contributions of organizations and working professionals worldwide. Over the years, the Stevie has become one of the most coveted prizes for companies across industries and continents.

For us, these awards are not just milestones but also a testament to our ongoing mission: to drive energy efficiency, foster innovation, and contribute meaningfully to a more sustainable future.





Energy Efficiency Report of Turkish Industry 1 Publication Date: 2021

This report presents the energy efficiency potential of 14 identified sectors based on the results obtained from 320 energy audits completed by March 31, 2021. It highlights areas with high savings potential within each sector, key focus areas and best practice examples applicable to each sector.

The total annual energy consumption of the 320 industrial facilities and commercial buildings operating in these 14 sectors amounts to 6,6 million TOE. The average payback period for energy efficiency projects is 2,78 years, and the implementation of these projects could lead to an emission reduction of approximately 1,1 million tons of CO₂ equivalent.



Energy Efficiency Report of Turkish Industry 2 Publication Date: 2023

This report aims to evaluate Türkiye's energy efficiency potential by analyzing the findings of energy audits completed by December, 2022 in 434 industrial facilities&commercial buildings across 14 different sectors.

The study examined 13 industrial sectors along with building sector in terms of savings potential, focus areas and investment feasibilities as well as the energy performance indicators and saving potentials of 19,458 equipment in seven system-specific categories.



Energy Efficiency Report of Turkish Industry 3 Publication Date: 2025

This report evaluates Türkiye's energy efficiency outlook based on data compiled by December 31, 2024, from 500 facilities, comprising 469 industrial plants and 31 commercial buildings operating across 10 industrial sectors. The total annual energy consumption within the scope of this report amounts to approximately 7.47 million TOE.

The study covers a diverse range of enterprises, including 203 companies from the ISO Top 500. The analysis reveals an average energy savings potential of 27.8% with an average payback period of 3.11 years. It provides a holistic assessment by examining investment costs and emission reduction costs, alongside performance benchmarks for critical systems such as chillers, boilers, and compressors.

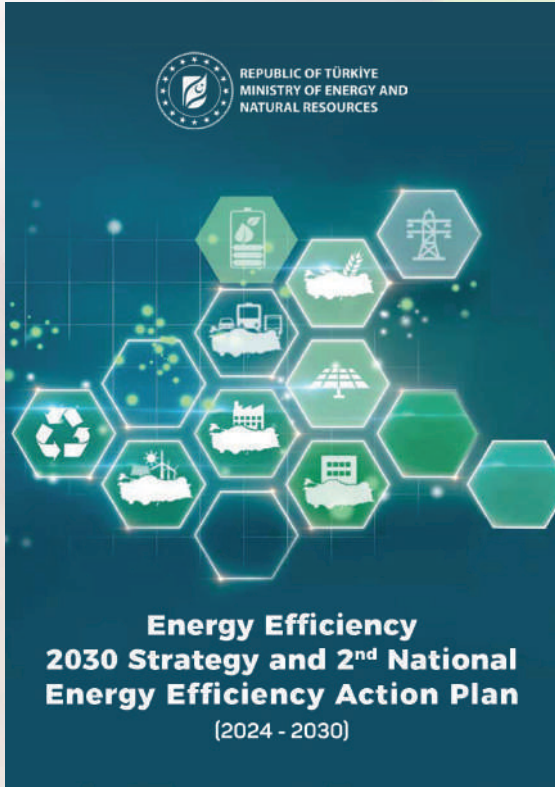


Certified Energy Manager Training Book

Publication Date: 2023

This training book serves as a fundamental resource for energy managers, energy audit, and measurement & verification specialists, supporting the capacity-building efforts in energy efficiency. Developed within the framework of the Regulation on Increasing Efficiency in the Use of Energy Resources and Energy.

It provides updated educational materials for training programs. These materials aimed at strengthening the technical capacity of Energy Service Companies (ESCOs), energy audit firms, and Ministry of Energy and Natural Resources (MENR) trainers. The book outlines key efficiency improvement areas across industries, best practices, and methodologies for conducting energy audits, with a focus on reducing energy consumption and environmental impact.



Energy Efficiency 2030 Strategy and 2nd National Energy Efficiency Action Plan (2024 - 2030)

Publication Date: 2024

The report highlights the critical importance of energy efficiency for Türkiye's industrial sector in reducing costs, boosting competitiveness, and advancing sustainability goals. It reveals a 10–15% energy-saving potential across various industries, which could translate into substantial financial gains and lower carbon emissions. Technological advancements, regulatory developments, and sector-specific best practices are identified as key drivers for optimizing energy consumption.

It also points to challenges such as high upfront investment costs and limited awareness, while emphasizing innovative solutions like digitalization and strategic investments. The study recommends policy measures and incentive mechanisms to overcome these barriers and stresses the urgency of adopting energy-efficient practices to align Türkiye's industry with global environmental and economic sustainability objectives.

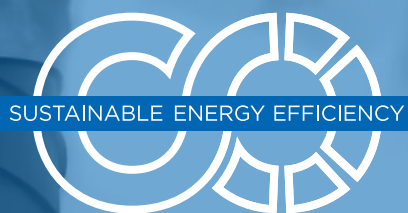


SYSTEM SOLUTIONS



SUSTAINABLE ENERGY EFFICIENCY

WASTE HEAT RECOVERY



SUSTAINABLE ENERGY EFFICIENCY

Çemtaş*

Project Name: Waste Heat Steam Boiler Project
Location: Bursa
Sector: Steel
Project Year: 2025
Savings: 457,93 TOE



01

Biofarma ilaç

Project Name: Boiler Room Modernization Project
Location: İstanbul
Sector: Pharmaceutical
Project Year: 2024
Savings: 21,20 TOE



02

Unilever HPC*

Project Name: Compressor Waste Heat Recovery Project
Location: Konya
Sector: FMCG & Consumer Goods
Project Year: 2024
Savings: 91,76 TOE



03

Trelleborg

Project Name: Economizer Project
Location: Tokat
Sector: Automotive Components
Project Year: 2023
Savings: 13,50 TOE



04

Hyundai Assan*

Project Name: RTO Waste Heat Recovery Project
Location: Kocaeli
Sector: Automotive
Project Year: 2023
Savings: 750,00 TOE



05

Gensenta ilaç

Project Name: Condensing Waste Heat Recovery Project
Location: İstanbul
Sector: Pharmaceutical
Project Year: 2023
Savings: 94,50 TOE



06

*Details of the projects are given at the end of this section.

Trelleborg

Project Name: Heat Exchanger Project
 Location: Kocaeli
 Sector: Automotive Components
 Project Year: 2022
 Savings: 61,39 TOE



07

Amcor Flexibles

Project Name: Compressor Waste Heat Recovery Project
 Location: İstanbul
 Sector: Packaging
 Project Year: 2022
 Savings: 15,40 TOE



08

IFF Aroma (Maxval)

Project Name: Condensing Economizer Project
 Location: Kocaeli
 Sector: Food
 Project Year: 2022
 Savings: 36,86 TOE



09

Kervan Gıda

Project Name: Condensing Economizer Project
 Location: Manisa
 Sector: Food
 Project Year: 2022
 Savings: 91,94 TOE



10

Sağlam Metal

Project Name: Compressor Waste Heat Recovery Project
 Location: İstanbul
 Sector: Metal
 Project Year: 2022
 Savings: 7,24 TOE



11

Accuride Wheels

Project Name: Economizer Project
 Location: Bilecik
 Sector: Automotive Components
 Project Year: 2022
 Savings: 48,04 TOE



12

Gensenta İlaç

Project Name: Compressor Waste Heat Recovery Project
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2022
 Savings: 18,82 TOE



13

KABB Kimya

Project Name: Economizer Project
 Location: Tekirdağ
 Sector: Chemicals
 Project Year: 2022



14

Pt Politek Terpa

Project Name: Economizer Project
 Location: Trabzon
 Sector: Chemicals
 Project Year: 2022
 Savings: 28,80 TOE



15

Eaton*

Project Name: Economizer Project
 Location: Tekirdağ
 Sector: Chemical & Petrochemical
 Project Year: 2020
 Savings: 67,12 TOE



16

Nestle

Project Name: Economizer Project
 Location: Bursa
 Sector: Food
 Project Year: 2020
 Savings: 260,00 TOE



17

Nestle

Project Name: Desuperheater Project (Ammonia)
 Location: Bursa
 Sector: Food
 Project Year: 2020
 Savings: 272,00 TOE



18

*Details of the projects are given at the end of this section.

Flexati Hose

Project Name: Boiler Room Project
Location: Tekirdağ
Sector: Packaging & Plastics
Project Year: 2019



19

Nobel İlaç

Project Name: Economizer Project
Location: Düzce
Sector: Pharmaceutical
Project Year: 2019
Savings: 41,95 TOE



20

Bekaert

Project Name: Economizer Project
Location: Kocaeli
Sector: Metal
Project Year: 2019
Savings: 211,30 TOE



21

Novartis İlaç

Project Name: Economizer Project
Location: İstanbul
Sector: Pharmaceutical
Project Year: 2019
Savings: 34,47 TOE



22

Grammer

Project Name: Waste Heat Recovery from Furnace Flue Gas
Location: Bursa
Sector: Automotive Components
Project Year: 2019
Savings: 115,70 TOE



23

Gönenli Süt

Project Name: Heat Exchanger Project
Location: Balıkesir
Sector: Dairy
Project Year: 2019



24

Austrotherm

Project Name: Economizer Project
 Location: Kocaeli
 Sector: Construction Materials
 Project Year: 2018
 Savings: 60,20 TOE



25

Biofarma ilaç

Project Name: Economizer Project
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2018
 Savings: 109,90 TOE



26

Cargill Türkiye*

Project Name: Economizer Project
 Location: Bursa
 Sector: Food
 Project Year: 2017
 Savings: 1.230,70 TOE



27

Cargill Türkiye*

Project Name: Recuperator Project
 Location: Bursa
 Sector: Food
 Project Year: 2017
 Savings: 903,10 TOE



28

Avon Automotive

Project Name: Waste Heat Recovery Project at Autoclave Units
 Location: Kocaeli
 Sector: Automotive Components
 Project Year: 2017
 Savings: 197,70 TOE



29

Bekaert

Project Name: Process Heat Recovery Project
 Location: Kocaeli
 Sector: Metal
 Project Year: 2017
 Savings: 242,00 TOE



30

*Details of the projects are given at the end of this section.

Trelleborg

Project Name: Economizer Project
 Location: Kocaeli
 Sector: Automotive Components
 Project Year: 2016
 Savings: 59,10 TOE



31

Trelleborg

Project Name: Boiler Room Project
 Location: Kocaeli
 Sector: Automotive Components
 Project Year: 2016



32

Türkkan Yağları

Project Name: Process Waste Heat Recovery & Desuperheater Project
 Location: Ukraine
 Sector: Vegetable Oil
 Project Year: 2015



33

Alfa Kimya

Project Name: Economizer Project
 Location: İstanbul
 Sector: Petrochemicals
 Project Year: 2015



34

Eaton

Project Name: Insulation Services
 Location: Tekirdağ
 Sector: Chemical & Petrochemical
 Project Year: 2015



35

Ford Otosan

Project Name: Economizer Project
 Location: Kocaeli
 Sector: Automotive
 Project Year: 2015



36

Eczacıbaşı

Project Name: Waste Heat Recovery Project
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2015



37

İpek Kağıt

Project Name: Economizer Project
 Location: Kocaeli
 Sector: Paper
 Project Year: 2015



38

Bosch Termoteknik

Project Name: Process Heat Recovery Project
 Location: Manisa
 Sector: HVAC
 Project Year: 2015
 Savings: 23,00 TOE



39

Bosch Termoteknik

Project Name: Economizer Project
 Location: Manisa
 Sector: HVAC
 Project Year: 2015
 Savings: 23,00 TOE



40

Olmuksan

Project Name: Recuperator Project
 Location: Bursa
 Sector: Paper
 Project Year: 2014



41

Pepsico

Project Name: Process Heat Recovery Project
 Location: İzmir
 Sector: Beverage
 Project Year: 2014



42

Norm Civata

Project Name: Economizer Project
Location: Manisa
Sector: Iron & Steel
Project Year: 2014

NORM
FASTENERS

43

Muka Metal

Project Name: Economizer Project
Location: Kayseri
Sector: Metal
Project Year: 2014

 **MUKA**

44

Pepsico

Project Name: Desuperheater Project (Ammonia)
Location: İzmir
Sector: Beverage
Project Year: 2014

 **PEPSICO**

45

Bosch Termoteknik

Project Name: Process Heat Recovery Project
Location: Manisa
Sector: HVAC
Project Year: 2013

 **BOSCH**

46

Tat Konserve

Project Name: Economizer Project
Location: Bursa
Sector: Food
Project Year: 2013



47

Pepsico

Project Name: Process Heat Recovery Project
Location: Tekirdağ
Sector: Beverage
Project Year: 2013

 **PEPSICO**

48

Pepsico

Project Name: Waste Heat Recovery Project
 Location: Tekirdağ
 Sector: Beverage
 Project Year: 2013



49

Norm Civata

Project Name: Economizer Project
 Location: Manisa
 Sector: Iron & Steel
 Project Year: 2013



50

Friterm

Project Name: Waste Heat Recovery Project
 Location: İstanbul
 Sector: HVAC
 Project Year: 2013



51

Ak Gıda

Project Name: Condensing Economizer Project
 Location: Sakarya
 Sector: Dairy
 Project Year: 2012



52

Mondelez

Project Name: Economizer Project
 Location: İstanbul
 Sector: Food
 Project Year: 2012



53

Mondelez

Project Name: Recuperator Project
 Location: İstanbul
 Sector: Food
 Project Year: 2012



54

Bahçivan Gıda

Project Name: Economizer Project
Location: Kırklareli
Sector: Dairy
Project Year: 2012



55

Bahçivan Gıda

Project Name: Recuperator Project
Location: Kırklareli
Sector: Dairy
Project Year: 2012



56

Pepsico

Project Name: Economizer Project
Location: İzmir
Sector: Beverage
Project Year: 2012



57

Ak Gıda

Project Name: Recuperator Project
Location: Sakarya
Sector: Dairy
Project Year: 2012



58

Arçelik

Project Name: Economizer Project
Location: Kocaeli
Sector: White Goods & Houseware
Project Year: 2012



59

Gündüz Kürk

Project Name: Economizer Project
Location: Tekirdağ
Sector: Textile
Project Year: 2012



60

Edirne Giyim

Project Name: Economizer Project
 Location: Edirne
 Sector: Textile
 Project Year: 2012



61

Royal Alhambra Hotel

Project Name: Economizer Project
 Location: Antalya
 Sector: Commercial Buildings
 Project Year: 2012



62

Besler Gıda

Project Name: Economizer Project
 Location: Adana
 Sector: Food
 Project Year: 2012



63

Vikingen Quality Hotel

Project Name: Economizer Project
 Location: Antalya
 Sector: Commercial Buildings
 Project Year: 2012



64

Anteks Tekstil

Project Name: Flash Steam Recovery Project
 Location: Antalya
 Sector: Textile
 Project Year: 2012



65

Vikingen Quality Hotel

Project Name: Flash Steam Recovery Project
 Location: Antalya
 Sector: Commercial Buildings
 Project Year: 2012



66

Besler Gıda

Project Name: Waste Heat Recovery Project
 Location: İstanbul
 Sector: Food
 Project Year: 2012

BESLER

67

Bosch Termoteknik

Project Name: Waste Heat Recovery Project
 Location: Manisa
 Sector: HVAC
 Project Year: 2012

 **BOSCH**

68

Fritolay

Project Name: Waste Heat Recovery Project
 Location: Mersin
 Sector: Food
 Project Year: 2012



69

BUNGE

Project Name: Flash Steam Recovery & Economizer Project
 Location: Kocaeli
 Sector: Food
 Project Year: 2011

BUNGE

70

Makro Ambalaj

Project Name: Flash Steam Recovery Project
 Location: İstanbul
 Sector: Packaging
 Project Year: 2011



71

Ülker

Project Name: Recuperator Project
 Location: Ankara
 Sector: Food
 Project Year: 2011

ÜLKER

72

Bosch Termoteknik

Project Name: Economizer Project
Location: Manisa
Sector: HVAC
Project Year: 2011



73

Arçelik

Project Name: Economizer Project
Location: Bolu
Sector: White Goods & Houseware
Project Year: 2011



74

Pepsico

Project Name: Economizer Project
Location: Tekirdağ
Sector: Beverage
Project Year: 2011



75

Coca Cola İçecek

Project Name: Economizer Project
Location: Jordan
Sector: Beverage
Project Year: 2011



76

Kerevitaş Gıda (SuperFresh)

Project Name: Economizer Project
Location: Bursa
Sector: Food
Project Year: 2011



77

Pepsico

Project Name: Process Heat Recovery Project
Location: Adana
Sector: Beverage
Project Year: 2011



78

Anlaş Anadolu Lastik

Project Name: Flash Steam Recovery Project
 Location: Düzce
 Sector: Automotive Components
 Project Year: 2011



79

Voyage the Maxx Hotel

Project Name: Economizer Project
 Location: Antalya
 Sector: Commercial Buildings
 Project Year: 2011



80

Oleander Hotel

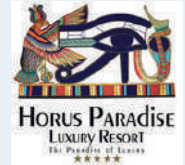
Project Name: Economizer Project
 Location: Antalya
 Sector: Commercial Buildings
 Project Year: 2011



81

Horus Paradise Hotel

Project Name: Economizer Project
 Location: Antalya
 Sector: Commercial Buildings
 Project Year: 2011



82

Royal Holiday Hotel

Project Name: Economizer Project
 Location: Antalya
 Sector: Commercial Buildings
 Project Year: 2011



83

Villa Side Hotel

Project Name: Economizer Project
 Location: Antalya
 Sector: Commercial Buildings
 Project Year: 2011



84

Nuh Yapı

Project Name: Economizer Project
 Location: Kocaeli
 Sector: Construction Materials
 Project Year: 2011



85

Nuh Yapı

Project Name: Flash Steam Recovery Project
 Location: Kocaeli
 Sector: Construction Materials
 Project Year: 2011



86

Asur Kauçuk

Project Name: Flash Steam Recovery Project
 Location: İstanbul
 Sector: Plastics
 Project Year: 2011



87

Orta Anadolu

Project Name: Recuperator Project
 Location: Kayseri
 Sector: Textile
 Project Year: 2010
 Savings: 794,70



88

Coca Cola İçecek

Project Name: Economizer Project
 Location: Bursa
 Sector: Beverage
 Project Year: 2010



89

Coca Cola İçecek

Project Name: Economizer Project
 Location: Mersin
 Sector: Beverage
 Project Year: 2010



90

Fritolay

Project Name: Process Heat Recovery Project
 Location: Kocaeli
 Sector: Food
 Project Year: 2010



91

Davachi Broyler

Project Name: Waste Heat Recovery Project
 Location: Azerbaijan
 Sector: Food
 Project Year: 2010

92

Fritolay

Project Name: Economizer Project
 Location: Strauss, Israel
 Sector: Food
 Project Year: 2010



93

Fritolay

Project Name: Flash Steam Recovery Project
 Location: Strauss, Israel
 Sector: Food
 Project Year: 2010



94

Colgate

Project Name: Economizer Project
 Location: Kocaeli
 Sector: FMCG & Consumer Goods
 Project Year: 2010



95

Kros Otomotiv

Project Name: Economizer Project
 Location: Kütahya
 Sector: Automotive Components
 Project Year: 2010



96

Korteks İplik

Project Name: Economizer Project
Location: Bursa
Sector: Textile
Project Year: 2010

KORTEKS

97

Besler Gıda

Project Name: Waste Heat Recovery Project
Location: İstanbul
Sector: Food
Project Year: 2010

BESLER

98

Ali Bey Club & Park

Project Name: Economizer Project
Location: Antalya
Sector: Commercial Buildings
Project Year: 2010

ALİ BEY
CLUB MANAVGAT

99

Crystal Hotel

Project Name: Economizer Project
Location: Muğla
Sector: Commercial Buildings
Project Year: 2010

CRYSTAL
HOTELS

100

Julian Club Hotel

Project Name: Economizer Project
Location: Muğla
Sector: Commercial Buildings
Project Year: 2010

JULIAN CLUB

101

Sunrise Marmaris Hotel

Project Name: Economizer Project
Location: Muğla
Sector: Commercial Buildings
Project Year: 2010

102

Xanadu Hotel

Project Name: Economizer Project
Location: Muğla
Sector: Commercial Buildings
Project Year: 2010



103

Cargill Türkiye*

Project Name: Economizer Project
Location: Bursa
Sector: Food
Project Year: 2009



104

Besler Gıda

Project Name: Process Heat Recovery Project
Location: İstanbul
Sector: Food
Project Year: 2009



105

Coca Cola İçecek

Project Name: Economizer Project
Location: Ankara
Sector: Beverage
Project Year: 2009



106

Fritolay

Project Name: Process Heat Recovery Project
Location: Mersin
Sector: Food
Project Year: 2009



107

Fritolay

Project Name: Waste Heat Recovery Project
Location: Mersin
Sector: Food
Project Year: 2009



108

*Details of the projects are given at the end of this section.

Perfetti Van Melle

Project Name: Economizer Project
Location: İstanbul
Sector: Food
Project Year: 2009



109

Mustafa Nevzat İlaç

Project Name: Economizer Project
Location: Kocaeli
Sector: Pharmaceutical
Project Year: 2009



110

Cam İş Ambalaj

Project Name: Economizer Project
Location: Eskişehir
Sector: Packaging
Project Year: 2009



111

Cam İş Ambalaj

Project Name: Recuperator Project
Location: Eskişehir
Sector: Packaging
Project Year: 2009



112

Cam İş Ambalaj

Project Name: Economizer Project
Location: İstanbul
Sector: Packaging
Project Year: 2009



113

Coats İplik

Project Name: Condensing Economizer Project
Location: Bursa
Sector: Textile
Project Year: 2009



114

Tübaş

Project Name: Process Heat Recovery Project
 Location: İstanbul
 Sector: Textile
 Project Year: 2009



115

Near East University

Project Name: Economizer Project
 Location: Cyprus
 Sector: Commercial Buildings
 Project Year: 2009



116

Vikingen Quality Hotel

Project Name: Economizer Project
 Location: Antalya
 Sector: Commercial Buildings
 Project Year: 2009



117

Atermit

Project Name: Economizer Project
 Location: Kocaeli
 Sector: Construction Materials
 Project Year: 2009



118

Borusan Boru

Project Name: Economizer Project
 Location: İstanbul
 Sector: Metal
 Project Year: 2008



119

Besler Gıda

Project Name: Process Heat Recovery Project
 Location: Adana
 Sector: Food
 Project Year: 2008



120

Fritolay

Project Name: Economizer Project
Location: Kocaeli
Sector: Food
Project Year: 2008



121

Kraft

Project Name: Economizer Project
Location: Kocaeli
Sector: Food
Project Year: 2008



122

Fritolay

Project Name: Economizer Project
Location: Mersin
Sector: Food
Project Year: 2008



123

Reform Gıda

Project Name: Waste Heat Recovery Project
Location: İstanbul
Sector: Food
Project Year: 2008

124

Novartis İlaç

Project Name: Economizer Project
Location: İstanbul
Sector: Pharmaceutical
Project Year: 2008



125

Reckitt Benckiser

Project Name: Economizer Project
Location: İstanbul
Sector: FMCG & Consumer Goods
Project Year: 2008



126

Akın Tekstil

Project Name: Economizer Project
Location: Kırklareli
Sector: Textile
Project Year: 2008

**AKIN
TEKSTİL****127****Hugo Boss**

Project Name: Economizer Project
Location: İzmir
Sector: Textile
Project Year: 2008

BOSS
HUGO BOSS**128****Alaiye Hotel**

Project Name: Economizer Project
Location: Antalya
Sector: Commercial Buildings
Project Year: 2008

**129****Alba Resort Hotel**

Project Name: Economizer Project
Location: Antalya
Sector: Commercial Buildings
Project Year: 2008

**130****Grand Side Hotel**

Project Name: Economizer Project
Location: Antalya
Sector: Commercial Buildings
Project Year: 2008

131**Mercure Hotel**

Project Name: Economizer Project
Location: Cyprus
Sector: Commercial Buildings
Project Year: 2008

MERCURE
HOTELS**132**

Royal Palm Hotel

Project Name: Economizer Project
Location: Antalya
Sector: Commercial Buildings
Project Year: 2008



133

Lidersan Sağlık

Project Name: Economizer Project
Location: Gaziantep
Sector: Healthcare
Project Year: 2008



134

Mustafa Nevzat İlaç

Project Name: Economizer Project
Location: Kocaeli
Sector: Pharmaceutical
Project Year: 2008



135

Ak Gıda

Project Name: Waste Heat Boiler Project
Location: Sakarya
Sector: Dairy
Project Year: 2008



136

Besler Gıda

Project Name: Waste Heat Boiler Project
Location: İstanbul
Sector: Food
Project Year: 2007



137

Queen Elizabeth Hotel

Project Name: Condensing Economizer Project
Location: Antalya
Sector: Commercial Buildings
Project Year: 2007



138

Hugo Boss

Project Name: Economizer Project
Location: İzmir
Sector: Textile
Project Year: 2007

BOSS
HUGO BOSS

139

MB Şeker

Project Name: Waste Heat Recovery Project
Location: Kayseri
Sector: Food
Project Year: 2007

140

Fistaş İplik

Project Name: Waste Heat Recovery Project
Location: Bursa
Sector: Textile
Project Year: 2007

FİSTAŞ
Since 1986

141

Merinos

Project Name: Economizer Project
Location: Gaziantep
Sector: Textile
Project Year: 2007

merinos

142

Gold City Hotel

Project Name: Economizer Project
Location: Antalya
Sector: Commercial Buildings
Project Year: 2007

GOLDCITY

143

Hotel İçkale

Project Name: Economizer Project
Location: Ankara
Sector: Commercial Buildings
Project Year: 2007

HOTEL İÇKALE
***** ANKARA

144

Danone

Project Name: Economizer Project
Location: Balıkesir
Sector: Dairy
Project Year: 2006



145

Tayaş Gıda

Project Name: Economizer Project
Location: İstanbul
Sector: Food
Project Year: 2006



146

BASF

Project Name: Waste Heat Recovery Project
Location: Kocaeli
Sector: Chemicals
Project Year: 2006



147

Denge Kimya

Project Name: Waste Heat Recovery Project
Location: Tekirdağ
Sector: Chemicals
Project Year: 2006



148

Huntsman

Project Name: Process Heat Recovery Project
Location: Czech Republic
Sector: Chemicals
Project Year: 2006



149

Marshall Boya

Project Name: Economizer Project
Location: Kocaeli
Sector: Chemicals
Project Year: 2006



150

Petroyağ

Project Name: Waste Heat Recovery Project
Location: Kocaeli
Sector: Petroleum Products
Project Year: 2006



151

AGC Ana Gayrimenkul

Project Name: Waste Heat Recovery Project
Location: İstanbul
Sector: Real Estate
Project Year: 2006

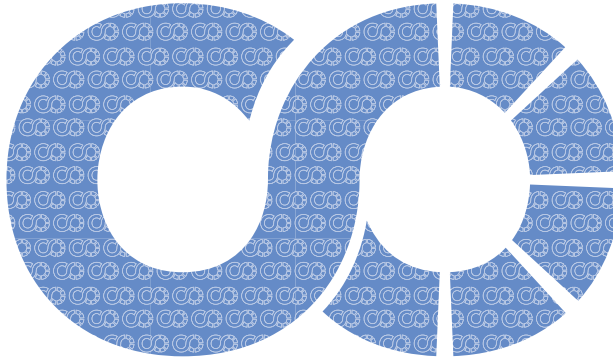
152

Şarteks

Project Name: Flash Steam Recovery Project
Location: İstanbul
Sector: Textile
Project Year: 2006



153





ECONOMIZER & WASTE HEAT RECOVERY

Objective

Baseline assessments revealed significant thermal losses from two chimneys and high natural gas consumption in the paint shop. Preheating opportunities were limited, and the boiler required additional fuel due to unutilized waste heat.

The project aims to reduce natural gas consumption and enhance energy efficiency by recovering waste heat from multiple chimneys.

Approach

- ✓ Installation of **two economizers** recovering heat from separate chimneys (1,038 kW + 1,809 kW).
- ✓ Utilization of **90 °C hot water** from economizers to preheat paint shop surface treatment tank.
- ✓ Preheating of degreasing bath heat exchangers with recovered steam energy (4 units installed).
- ✓ Integration of an economizer on an 8-ton steam boiler stack (210 °C > 120 °C) for boiler feedwater heating.
- ✓ Safety measures: bypass damper in chimney, feedwater protection to avoid thermal shock (≥ 70 °C).

Implementation

- ✓ Feedwater temperature increased from **80 °C > 112 °C** under revised production conditions.
- ✓ Stable supply of preheated combustion air reduces burner fuel demand.
- ✓ New projects under construction to maximize utilization of recovered energy in other production areas.

At Hyundai, the project leverages waste heat recovery from chimneys and boiler systems to improve efficiency and sustainability. Recovered energy is redirected to processes like paint shop surface treatment process tanks and boiler feedwater heating. Future expansions will further extend these benefits across production, supporting Hyundai's long-term decarbonization goals.



Fuel Consumption Reduction

Natural gas savings through preheated combustion air and feedwater.



Process Optimization

Stable inlet temperatures prevent condensation, thermal shock, and material stress.



Sustainability Impact

Lower CO₂ emissions and improved energy efficiency aligned with corporate goals.



Scalable Design

Ongoing projects planned to expand waste heat utilization across production processes.

Cost & Impact Analysis



Total Investment
Cost
€ 560.000,00



Annual
Savings
€ 292.450,00



Payback
Period
1,91 years



Annual CO₂
Reduction
3.342,8 tons



WASTE HEAT RECOVERY

Objective

Cargill Türkiye has been collaborating with ESCON since 2009 on **strategic decarbonization and energy-efficiency initiatives**. Rising energy costs, carbon-reduction targets, and increasing thermal demand due to production expansion created the need for a fully integrated waste-heat recovery network to ensure long-term sustainability and competitiveness.

The project focuses on reducing natural gas use and carbon emissions through integrated waste-heat recovery for higher energy and production efficiency.

Approach

A phased strategy was rolled out over multiple years:

- ✓ **2009:** Pilot economizer system utilizing Carbon Furnace flue gases to preheat combustion air.
- ✓ **2016–2017: Recuperator system** installed to capture additional flue gas heat.
- ✓ **2022:** Integration of a **Carbon Furnace Shaft Air Economizer** and a **Waste Heat Boiler (WHB)** generating saturated steam directly for process demand.

Implementation

- ✓ Flue gas cooled down ($510\text{ }^{\circ}\text{C} > 200\text{ }^{\circ}\text{C}$) to generate saturated steam for process.
- ✓ Subsystems installed for boiler feedwater preheating, shaft air economizer, and WHB integration.
- ✓ Recovered heat used for process fluid preheating, enhancing efficiency and stability.
- ✓ All systems are designed in accordance with EU standards to ensure improved reliability, safety, and sustainability while reducing natural gas consumption and CO_2 emissions.

Our primary goal is to minimize natural gas dependency while creating a more sustainable and efficient energy system. By implementing a fully integrated waste heat recovery network, the project enhances efficiency, reduces carbon emissions, and strengthens long-term resilience.



Significant Energy Recovery

High-temperature flue gases cooled from 510 °C to 200 °C, generating saturated steam directly for production processes.



Reduced Natural Gas Consumption

Integrated systems (economizers, shaft air recovery, WHB) substantially cut fossil fuel demand and CO₂ emissions.



Improved Process Stability

Preheating of feedwater and process fluids ensures smoother operation and higher overall efficiency.



Sustainable & Reliable Design

EU-standard systems with advanced insulation, safety features, and flexible integration support long-term decarbonization goals.

Cost & Impact Analysis



Total Investment
Cost

€ 212.620,00



Annual
Savings

€ 540.569,62



Payback
Period

0,39 years



Annual CO₂
Reduction

1.330 tons

✓ Natural gas saving is more than 650.000 Sm³ per year.

ANNEALING FURNACE WASTE HEAT RECOVERY

Objective

Çemtaş, Turkey's leading scrap-based steel producer, operates highly energy-intensive thermal processes where temperature and pressure stability are critical. The objective of this project was to recover high-temperature waste heat from the production process, reduce natural gas consumption, and enhance overall energy efficiency while maintaining full operational safety.

Approach

- ✓ Performed an investment-grade energy audit to identify potential heat sources and utilization points within the plant.
- ✓ Determined that the **annealing furnace flue** (exhausting gases at **450°C**) was the most suitable and highest value heat source.
- ✓ Conducted detailed engineering to ensure **the internal pressure characteristics of the annealing furnace** which required precise damper sizing and fan configuration.
- ✓ Integrated monitoring systems enabling the real-time and historical tracking of temperatures and efficiency performance.

Implementation

- ✓ The installed Waste Heat Recovery Boiler captures the energy of the exhaust gas at the annealing furnace from **450°C** to **120°C** before discharge.
- ✓ Recovered energy is used to heat up 1381 kg/h process water from **60°C** to **188°C at 11 bar steam**.
- ✓ Guaranteed savings have been achieved, resulting **776,826 m³** natural gas reduction per year.
- ✓ Implementation of the entire system, including structural supports, damper mechanisms, tailored fans, and piping, was done as a **turnkey by ESCON**.

The Waste Heat Recovery System utilizes the high-temperature 450°C flue gas from the annealing furnace to generate valuable thermal energy for process use. By controlling the internal furnace pressure through the tailored dampers and fan adjustments, the system ensures safe, stable, and continuous operation.



High Natural Gas Savings
776,826 m³/year natural gas reduction achieved.



High-Value Heat Recovery
Utilizes 450°C flue gas to produce 188°C, 11-bar process steam.



Safe Integration
Designed with full consideration of internal furnace pressure and process constraints.



Lower Maintenance Costs
Turnkey solution with engineered dampers, fans, and structural elements.

Investment & Payback Summary



Total Investment Cost
€ 234.420



Annual Savings
€ 242.758



Payback Period
0,97 years



Annual CO₂ Reduction
1.476 tons

* Achieving one of the most challenging structural designs to recover high-temperature waste heat from the annealing furnace.



WASTE HEAT RECOVERY & CHILLER MODERNIZATION

Objective

The facility faced two major challenges: high natural gas consumption for steam generation and inefficiencies in the Banbury process cooling system. Existing screw chillers operated at low efficiency (COP ~4.0) and required frequent maintenance, creating production risks, while significant waste heat potential from boiler flue gases remained underutilized.

The project aims to reduce dependency on natural gas and electricity by recovering compressor waste heat and replacing outdated chillers with high-efficiency centrifugal units to improve system reliability and support decarbonization goals.

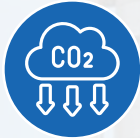
Approach

- ✓ Implement a **waste heat recovery system** on the steam boiler chimney, raising feed water temperature efficiently while extending boiler lifetime.
- ✓ Replace old screw chillers with **Mitsubishi high-efficiency centrifugal chillers**, achieving annual average COP as 11,3 (IPLV).
- ✓ Retain existing cooling towers for integration, ensuring cost-effective modernization.
- ✓ Conduct detailed measurement campaigns and system simulations to validate performance and reliability.

Implementation

- ✓ Flue gas heat recovery upgraded feed water from 80 °C > 112 °C, delivering **146 kW net recovery**, outperforming the initial design parameters.
- ✓ New centrifugal chillers provided **3,130 MWh/year energy savings**, validated through field measurements.
- ✓ Cooling demand met stably, ensuring continuous and efficient operation of production lines.

Beyond the financial gains, the project delivered several side benefits, including extended boiler and equipment lifetime through stable feedwater preheating, enhanced operational safety with integrated bypass and design safeguards. The adoption of high-efficiency centrifugal chillers also reduced maintenance requirements and downtime, while the overall system design provided greater flexibility and alignment with the company's long-term sustainability and decarbonization goals.



Carbon Emission Reduction

Lower natural gas and electricity demand directly reduce Scope 2 emissions.



Energy Efficiency Gains

~3,130 MWh/year savings from new chillers and enhanced heat recovery performance.



Improved Reliability

High-efficiency centrifugal chillers reduce downtime and service needs.



Process Stability

Stable feed water and cooling performance improve production quality and equipment lifespan.

Cost & Impact Analysis



Total Investment
Cost
€ 498.100,00



Annual
Savings
€ 269.236,00



Payback
Period
1,85 years



Annual CO₂
Reduction
1.733,6 tons

- ✓ Hybrid design with waste heat recovery + efficient chillers enables balanced energy management across seasons.



COMPRESSOR WASTE HEAT RECOVERY

Objective

In the baseline configuration, make-up water entered the condensate tank at around 20 °C and was heated to 60 °C entirely by steam boilers, creating continuous fuel demand. Despite significant thermal losses from the compressors, no waste-heat recovery systems were in place.

The project aims to recover waste heat from screw compressors to preheat boiler feedwater, reducing natural gas consumption, improving energy efficiency, and supporting decarbonization goals.

Approach

- ✓ Integration of a water-cooled waste heat recovery system into existing air-cooled screw compressors.
- ✓ **Installation of a plate-type heat exchanger** to transfer thermal energy from compressor lubricating oil to process water.
- ✓ Full assembly of piping, valves, pumps, instrumentation, sensors, insulation, and digital monitoring infrastructure.
- ✓ Designed to **adapt to seasonal temperature changes** and compressor load variations.

Implementation

- ✓ Theoretical maximum recoverable energy: 200 kW, with an effective **average of 156 kW at 78% load factor**.
- ✓ Post-integration water outlet temperature: **the outler water temperature stabilized at 67C** (exceeding the 60 °C design target by 18%).
- ✓ Preheated boiler feedwater reduces steam boiler load, minimizing gas consumption and operating costs.
- ✓ **Real-time remote monitoring** ensures optimal performance and reliability.

Technical measurements conducted on the screw compressor sets revealed that no waste heat recovery systems are currently in place. In our factory assessments, **waste heat recovery potential** is one of the primary parameters evaluated. The proposed solution involves utilizing the recovered thermal energy to preheat process water used in HPC product manufacturing. Under standard operating conditions, it is feasible to recover approximately 70–75% of the thermal losses from the heated lubricating oil within the screw compression unit.



Reduced Fossil Fuel Dependency

Significant decrease in natural gas consumption through boiler feedwater preheating.



Higher Energy Efficiency

Achieved 18% above guaranteed design performance, delivering ~156 kW of effective recovered heat.



Improved Reliability

Stable feedwater temperatures minimize thermal stress and extend boiler component life.



Digital Integration

Supervisory interface allows remote monitoring of compressor parameters and water temperature.

Cost & Impact Analysis



Total Investment
Cost
€ 103.600,00



Annual
Savings
€ 36.752,60



Payback
Period
2,8 years



Annual CO₂
Reduction
211,6 tons

COOLING SOLUTIONS



SUSTAINABLE ENERGY EFFICIENCY

Gönenli Süt

Project Name: Cooling System Retrofit Project
Location: Balıkesir
Sector: Dairy
Project Year: 2025
Chiller: ETI 70A
Unit: 1



01

Gönenli Süt

Project Name: Cooling System Retrofit Project
Location: Manisa
Sector: Dairy
Project Year: 2025
Chiller: ETI 70A
Unit: 1



02

Memorial Hospital

Project Name: Cooling System Retrofit Project
Location: Göztepe, İstanbul
Sector: Commercial Buildings
Project Year: 2025
Chiller: ETI 50 + ETI 50 + ETI 50
Unit: 3

MEMORIAL

03

Memorial Hospital

Project Name: Cooling System Retrofit Project
Location: Ankara
Sector: Commercial Buildings
Project Year: 2025
Chiller: ETI 35A
Unit: 1

MEMORIAL

04

Memorial Hospital

Project Name: Cooling System Retrofit Project
Location: Antalya
Sector: Commercial Buildings
Project Year: 2025
Chiller: ETI 35A
Unit: 1

MEMORIAL

05

Memorial Hospital

Project Name: Cooling System Retrofit Project
Location: Şişli, İstanbul
Sector: Commercial Buildings
Project Year: 2025
Chiller: ETI 35A + ETI 35A
Unit: 2

MEMORIAL

06

Enerjisa Müşteri Çözümleri (Brisa Project)*

Project Name: Cooling System Retrofit Project
 Location: Kocaeli
 Sector: Energy
 Project Year: 2025
 Chiller: ETI 50
 Unit: 1



07

Oğuz Gıda

Project Name: Cooling System Retrofit Project
 Location: Konya
 Sector: Food & Beverage
 Project Year: 2025
 Chiller: GART-60P.I
 Unit: 1



08

Sek Süt

Project Name: Air-Cooled Chiller Project
 Location: Bursa
 Sector: Dairy
 Project Year: 2025



09

Oğuz Gıda (Daren Logistics)

Project Name: Cooling System Retrofit Project
 Location: Adana
 Sector: Food & Beverage
 Project Year: 2025
 Chiller: GART-60P.I
 Unit: 1



10

Bakraç Süt*

Project Name: Cooling System Retrofit Project
 Location: Amasya
 Sector: Dairy
 Project Year: 2025
 Chiller: GART-60P.I
 Unit: 1



11

Oğuz Gıda

Project Name: Cooling System Retrofit Project
 Location: Sakarya
 Sector: Food & Beverage
 Project Year: 2025
 Chiller: GART-60P.I
 Unit: 1



12

*Details of the projects are given at the end of this section.

Coca Cola İçecek*

Project Name: Cooling System Retrofit Project
Location: Tekirdağ
Sector: Beverage
Project Year: 2025
Chiller: ETI 35A
Unit: 1



13

Reka Bitkisel Yağlar

Project Name: Cooling System Retrofit Project
Location: Tekirdağ
Sector: Vegetable Oil
Project Year: 2024
Chiller: ETI 25
Unit: 1



14

Novartis İlaç

Project Name: Cooling Tower Replacement Project
Location: İstanbul
Sector: Pharmaceutical
Project Year: 2024



15

Ak Gıda

Project Name: Cooling Tower Replacement Project
Location: İzmir
Sector: Dairy
Project Year: 2024
Savings: 134,6 TOE



16

Ak Gıda

Project Name: Cooling Tower Replacement Project
Location: Sakarya
Sector: Dairy
Project Year: 2024
Savings: 134,6 TOE



17

Oyak Renault*

Project Name: Cooling System Retrofit Project
Location: Bursa
Sector: Automotive
Project Year: 2023
Chiller: ETI 50 + ETI 50
Unit: 2



18

*Details of the projects are given at the end of this section.

Coca Cola İçecek*

Project Name: Cooling System Retrofit Project
Location: Isparta
Sector: Beverage
Project Year: 2023
Chiller: GART-60P.I
Unit: 1



19

CFN Kimya

Project Name: Cooling System Retrofit Project
Location: Kocaeli
Sector: Chemical & Petrochemical
Project Year: 2023
Savings: 184,4 TOE
Chiller: ETI 25
Unit: 1



20

Selsa Otomotiv

Project Name: Cooling System Retrofit Project
Location: Bursa
Sector: Automotive Components
Project Year: 2023
Chiller: ETI 15
Unit: 1



21

Memorial Hospital

Project Name: Cooling System Retrofit Project
Location: Ataşehir, İstanbul
Sector: Commercial Buildings
Project Year: 2022
Chiller: ETI 35A
Unit: 1



22

Oğuz Gıda

Project Name: Cooling System Retrofit Project
Location: Adana
Sector: Food & Beverage
Project Year: 2022
Chiller: GART-60P.I
Unit: 1



23

Dimes Gıda

Project Name: Cooling System Retrofit Project
Location: İzmir
Sector: Beverage & Dairy
Project Year: 2022
Chiller: ETI 25
Unit: 1



24

*Details of the projects are given at the end of this section.

Ak Gıda

Project Name: Cooling System Retrofit Project
 Location: Sakarya
 Sector: Dairy
 Project Year: 2022
 Chiller: ETI 70A
 Unit: 1



25

Işık Plastik*

Project Name: Cooling System Retrofit Project
 Location: Kocaeli
 Sector: Plastics
 Project Year: 2022
 Chiller: ETI 25
 Unit: 1



26

Küçükçalık Tekstil

Project Name: Cooling System Retrofit Project
 Location: Sakarya
 Sector: Textile
 Project Year: 2021
 Chiller: GART-60P.I + GART-60P.I
 Unit: 2



27

Döhler Gıda

Project Name: Cooling System Retrofit Project
 Location: Karaman
 Sector: Food & Beverage
 Project Year: 2021
 Chiller: GART-60P.I
 Unit: 1



28

Ak Gıda

Project Name: Cooling System Retrofit Project
 Location: İzmir
 Sector: Dairy
 Project Year: 2021
 Savings: 257,99 TOE
 Chiller: AART45H.I
 Unit: 1



29

Pjsc Lactalis*

Project Name: Cooling System Retrofit Project
 Location: Mykolaiv, Ukraine
 Sector: Dairy
 Project Year: 2021
 Chiller: ETI 25
 Unit: 1



30

*Details of the projects are given at the end of this section.

Sanovel İlaç*

Project Name: Cooling System Retrofit Project
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2021
 Chiller: ETI 70A
 Unit: 1



31

Bakraç Süt

Project Name: Cooling System Retrofit Project
 Location: Amasya
 Sector: Dairy
 Project Year: 2020
 Chiller: AART25H.I
 Unit: 1



32

Gürsüt

Project Name: Cooling System Retrofit Project
 Location: İzmir
 Sector: Dairy
 Project Year: 2020
 Savings: 40,62 TOE
 Chiller: ETI 25 + ETI 25
 Unit: 2



33

Bayındır Hospital

Project Name: Cooling System Retrofit Project
 Location: İstanbul
 Sector: Commercial Buildings
 Project Year: 2020
 Chiller: ETI 25
 Unit: 1



34

Coca Cola İçecek*

Project Name: Cooling System Retrofit Project
 Location: Elazığ
 Sector: Beverage
 Project Year: 2020
 Chiller: GART60RI
 Unit: 1



35

Ak Gıda

Project Name: Cooling System Retrofit Project
 Location: Karaman
 Sector: Dairy
 Project Year: 2020
 Chiller: ETI 70A + AART45H.I
 Unit: 2



36

*Details of the projects are given at the end of this section.

Ak Gıda

Project Name: Cooling System Retrofit Project
Location: Kahramanmaraş
Sector: Dairy
Project Year: 2020
Chiller: ETI 70A + AART35H.I
Unit: 2



37

Ak Gıda

Project Name: Cooling System Retrofit Project
Location: Kırklareli
Sector: Dairy
Project Year: 2020
Savings: 45,91 TOE
Chiller: ETI 50
Unit: 1



38

Ak Gıda

Project Name: Cooling System Retrofit Project
Location: Sakarya
Sector: Dairy
Project Year: 2019
Chiller: AART45H.I
Unit: 1



39

Sütaş

Project Name: Cooling System Retrofit Project
Location: İzmir
Sector: Dairy
Project Year: 2019
Chiller: ETI 70A
Unit: 1



40

Defne Tarım

Project Name: Cooling System Retrofit Project
Location: İzmir
Sector: Dairy
Project Year: 2019
Chiller: AART25H.I + AART25H.I
Unit: 2



41

Üntel Kablo

Project Name: Cooling System Retrofit Project
Location: Kocaeli
Sector: Cable
Project Year: 2018
Chiller: ETI 25
Unit: 1



42

Döhler Gıda

Project Name: Cooling System Retrofit Project
 Location: Karaman
 Sector: Food & Beverage
 Project Year: 2018
 Chiller: AART35H.I + AART35H.I
 Unit: 2



43

Ak Gıda (Unit 1)

Project Name: Cooling System Retrofit Project
 Location: Sakarya
 Sector: Dairy
 Project Year: 2017
 Chiller: ETI 70A
 Unit: 1



44

Ak Gıda (Unit 2)

Project Name: Cooling System Retrofit Project
 Location: Sakarya
 Sector: Dairy
 Project Year: 2017
 Chiller: AART35H.I
 Unit: 1



45

Sek Süt

Project Name: Cooling System Retrofit Project
 Location: Bursa
 Sector: Dairy
 Project Year: 2017
 Chiller: AART45H.I
 Unit: 1



46

Gönenli Süt

Project Name: Cooling System Retrofit Project
 Location: Balıkesir
 Sector: Dairy
 Project Year: 2017
 Chiller: ETI 70A
 Unit: 1



47

Sütaş

Project Name: Cooling System Retrofit Project
 Location: İzmir
 Sector: Dairy
 Project Year: 2016
 Savings: 269,98 TOE
 Chiller: ETI 70A + ETI 70A + AART45H.I + AART45H.I
 Unit: 4



48

Ak Gıda

Project Name: Cooling System Retrofit Project
 Location: Aydın
 Sector: Dairy
 Project Year: 2016
 Chiller: ETI 70A
 Unit: 1



49

Sek Süt

Project Name: Cooling System Retrofit Project
 Location: Bursa
 Sector: Dairy
 Project Year: 2016
 Chiller: ETI 50
 Unit: 1



50

Eaton

Project Name: Cooling System Retrofit Project
 Location: Tekirdağ
 Sector: Chemical & Petrochemical
 Project Year: 2016
 Chiller: ETI 35A + ETI 35A
 Unit: 2



51

Ak Gıda

Project Name: Cooling System Retrofit Project
 Location: Kırklareli
 Sector: Dairy
 Project Year: 2016
 Chiller: AART35H.I
 Unit: 1



52

Ak Gıda

Project Name: Cooling System Retrofit Project
 Location: Sakarya
 Sector: Dairy
 Project Year: 2015
 Chiller: ETI 70A
 Unit: 1



53

Memorial Hospital

Project Name: Cooling System Retrofit Project
 Location: Diyarbakır
 Sector: Commercial Buildings
 Project Year: 2015
 Chiller: ETI 25
 Unit: 1



54

Sütaş

Project Name: Cooling System Retrofit Project
Location: Bursa
Sector: Dairy
Project Year: 2013
Chiller: ETI 70A
Unit: 1



55

Bosch Termoteknik

Project Name: Cooling System Retrofit Project
Location: Manisa
Sector: HVAC
Project Year: 2013
Chiller: ETI 25
Unit: 1



56

Bayındır Hospital

Project Name: Cooling System Retrofit Project
Location: Ankara
Sector: Commercial Buildings
Project Year: 2013
Chiller: ETI 25
Unit: 1



57

Ak Gıda

Project Name: Cooling System Retrofit Project
Location: Sakarya
Sector: Dairy
Project Year: 2013
Chiller: ETI 70A
Unit: 1



58

Fremen Aerospace

Project Name: Cooling System Retrofit Project
Location: Eskişehir
Sector: Aviation & Aerospace Components
Project Year: 2026
Chiller: ETI 25
Unit: 1



59

Dimes Gıda

Project Name: Cooling System Retrofit Project
Location: İzmir
Sector: Beverage & Dairy
Project Year: 2026
Chiller: ETI 70A
Unit: 1



60

Dimes Gıda

Project Name: Cooling System Retrofit Project
Location: Tokat
Sector: Beverage & Dairy
Project Year: 2026
Chiller: ETI 35A
Unit: 1



61

Üntel Kablo

Project Name: Cooling System Retrofit Project
Location: Kocaeli
Sector: Cable
Project Year: 2026
Chiller: ETI 35A
Unit: 1



62

Oğuz Gıda

Project Name: Cooling System Retrofit Project
Location: Adana
Sector: Food & Beverage
Project Year: 2026
Chiller: GART-60P.I
Unit: 1



63



COOLING SYSTEM MODERNIZATION

Objective

CCI's Elazığ, Isparta, and Çorlu plants faced **operational and sustainability challenges** from outdated ammonia-based chillers including high energy consumption, toxic refrigerant risks, and limited compatibility with carbon neutral integration.

The project aims to replace ammonia-based chillers with high-efficiency centrifugal systems to enhance energy efficiency, reduce carbon footprint, and ensure operational safety in line with **CCI's 2030 Sustainability Commitments**.

Approach

A phased strategy was implemented across multiple years:

- ✓ Conducted detailed technical assessments of each facility's cooling infrastructure.
- ✓ Designed turnkey systems with **High Efficient Water-Cooled Centrifugal Mitsubishi** chillers, cooling towers, heat exchangers, pumps, valves, and advanced automation.
- ✓ Guaranteed **high COP performance** (6.2–7.12 minimum, up to 9.94 in operation) versus ~4.5 COP in market alternatives.

Implementation

- ✓ **Elazığ (2019)**: Renewal of 2 ammonia chillers with centrifugal chillers; **~450,000 kWh** annual saving.
- ✓ **Isparta (2021)**: New line cooling system (2,350 kW); **COP ≥ 7.12**; full turnkey design.
- ✓ **Çorlu (2023)**: Renewal of 3 ammonia chillers (1,230 kW); COP avg. 9.94; **~350,000 kWh** annual saving. Integrated smart automation and monitoring for optimized load management and renewable compatibility.

Elazığ – Sustainable Cooling Upgrade

Replaced 2 ammonia chillers with centrifugal units, saving ~450,000 kWh/year and improving safety.

Isparta – Turnkey Efficient Cooling

New 2,350 kW cooling system with $COP \geq 7.12$, full turnkey design ensuring high reliability and efficiency.

Çorlu – Ammonia-Free Modernization

Replaced 3 ammonia chillers (1,230 kW) with centrifugal system, COP avg. 9.94, saving ~350,000 kWh/year.



Energy Efficiency Gains

Total annual savings exceeding 800,000 kWh across 3 sites.



Carbon Reduction

Significant Scope 2 emission cuts supporting CCI's 2030 neutrality targets.



Enhanced Safety

Ammonia-free systems simplify regulatory requirements and ensure safer long-term operations.



Operational Reliability

Advanced chillers with superior part-load performance ensure stable, long-term cooling.

Cost & Impact Analysis



Total Investment
Cost

1.337.720 USD



Annual
Savings

175.262,46 USD



Payback
Period

7,63 years



Annual CO₂
Reduction

868 tons

- ✓ The old ammonia chillers required over €40,000 in annual maintenance, a cost that has been fully eliminated with the replacement by high-efficiency chillers.



COOLING SYSTEM MODERNIZATION

Objective

Lactalis Group, a long-standing advocate of energy efficiency, continuously seeks innovative ways to enhance production performance through sustainable and reliable solutions. Similar high-efficiency cooling systems have already been successfully implemented at Lactalis plants in Turkey.

This project aims to replace ammonia-based chillers with High Efficient Water-Cooled Centrifugal Mitsubishi systems to improve energy efficiency, reduce carbon footprint, and ensure stable feed-water temperature for consistent and uninterrupted milk production at Lactalis facility.

Approach

- ✓ Conducted detailed investment-grade audit of the facility's existing cooling infrastructure.
- ✓ Designed turnkey systems including **High Efficient Water-Cooled Centrifugal Mitsubishi Chiller**, cooling towers, heat exchangers, pumps, valves, and advanced automation architecture.
- ✓ Guaranteed precise and stable feed-water temperatures required for the milk production process, ensuring consistent product quality.

Implementation

To meet the chilled-water requirements for milk production at Lactalis Ukraine, the target temperature was **reduced from 6.5°C to 1.5°C** through the installation of a High Efficient Water-Cooled Centrifugal Mitsubishi Chiller system. The facility had previously relied on ammonia-based chillers with COP levels of 2.8–3.2, which caused recurring operational challenges due to high maintenance needs and continuous refrigerant leakage requiring frequent refills.

When Lactalis initiated its production capacity expansion, the company decided to modernize the entire cooling infrastructure with Mitsubishi technology instead of adding a new ammonia chiller.

The installed chiller system provides reliable 1.5°C chilled water for stable milk production. Replacing ammonia systems eliminates toxic refrigerant risks and frequent maintenance issues. Delivered as a turnkey solution, the new system ensures seamless operation and significantly improves overall reliability.



Energy Efficiency Gains

Significant improvement over previous COP values of 2.8–3.2, reducing electricity consumption and operational costs.



High Process Stability

Guaranteed 1.5°C chilled water ensures consistent and reliable milk production under varying load conditions.



Carbon Footprint Reduction

Lower energy use directly supports Lactalis Group's global sustainability and carbon-reduction targets.



Lifecycle Value

Long equipment lifespan, low maintenance requirements, and better part-load performance.

Investment & Payback Summary



Total Investment
Cost

€ 387.200



Annual
Savings

€ 66.308



Payback
Period

5,84 years



Annual CO₂
Reduction

309,44 tons



INTEGRATED DECARBONIZATION & COOLING MODERNIZATION

Objective

The automotive sector in Türkiye faces growing pressure to reduce energy costs and carbon emissions while maintaining process stability and competitiveness. At the Oyak Renault facility, outdated screw chillers (COP 2.5–3.0), high natural gas dependency for process heating, and underutilized waste-heat streams highlighted the need for a comprehensive decarbonization approach.

The project aims to modernize the cooling infrastructure, maximize waste-heat recovery, and reduce fossil-fuel reliance under an Energy Performance Contract (EPC) model, eliminating upfront investment for the client. As of 2023, it represents **the largest EPC contract implemented in Türkiye**.

Approach

- ✓ High-efficiency water-cooled centrifugal chillers (**COP ≥ 6.8, up to 17 in winter**),
- ✓ Waste heat recovery from boiler chimneys, cooling towers, and chiller condenser circuits,
- ✓ Sub-systems for paint shop, cataphoresis, and AHU preheating,
- ✓ **EPC contractual model** ensuring client benefits without upfront investment.

Implementation

- ✓ Cooling efficiency raised from **COP 2.5–3.0** to an **annual average COP 10**,
- ✓ **Over 5 MW of thermal energy recovered** across process areas,
- ✓ Fossil fuel demand and CO₂ emissions significantly reduced,
- ✓ Guaranteed savings shared under EPC framework, improving cost efficiency and sustainability.

Spanning a one-year project development phase, the contract was officially awarded in **Q4 2022**, and the systems were **fully commissioned in Q3 2023**. This integrated approach demonstrates how cutting-edge engineering and contractual models can be leveraged to accelerate decarbonization and operational efficiency in large-scale industrial facilities.



Significant Energy Savings

Over 5 MW total energy gain achieved through high-efficiency centrifugal chillers and multi-point waste heat recovery systems.



Improved Cooling & Process Stability

COP increased from 2.5–3.0 to an annual average of 10, ensuring smoother production and reliable temperature control.



Reduced Carbon Footprint

Substantial cuts in natural gas consumption and CO₂ emissions through economizers, cooling tower, and condenser heat integration.



Future-Ready & Sustainable Design

EPC framework and flexible system architecture enable further waste heat integration, supporting long-term decarbonization goals.

Cost & Impact Analysis



Total Investment Cost
€ 3.725.000



Annual Savings
€ 1.773.098



Payback Period
2,2 years



Annual CO₂ Reduction
6.984,8 tons

✓ The guaranteed savings are shared: **80% of the realized energy cost reductions are directed to ESCON as performance-based payment**, while the remaining **20% contributes directly to Oyak Renault's bottom line**.



HYBRID COOLING SYSTEM

Objective

During summer period, ambient temperatures in the production hall exceeded 28–30 °C, leading to nearly **20% of production being scrapped** due to quality issues and creating significant financial and operational losses. BRISA searched for a solution to stabilize indoor climate conditions without increasing energy demand or requiring high capital investment.

The project aims to ensure **stable indoor conditions** in production halls to reduce scrap-related product losses, while improving energy efficiency and supporting decarbonization goals.

Approach

- ✓ Conducted a two-week energy audit to assess hidden efficiency potentials and integration opportunities.
- ✓ Identified three large-capacity heat pumps, previously used only for winter heating, without using the cooling potential.
- ✓ Designed a hybrid system combining optimized **use of existing heat pumps** (3 MW cooling) with a high-efficiency **Mitsubishi centrifugal chiller** (1.85 MW cooling).
- ✓ Integrated additional cooling towers and a new **60,000 m³/h AHU** to ensure system reliability and redundancy.

Implementation

- ✓ Delivered a total **4,850 kW cooling capacity** to stabilize **indoor climate below 28 °C**.
- ✓ Converted heat pumps into dual-use operation (heating + cooling) with support from cooling towers.
- ✓ Installed a centrifugal chiller to cover peak demand efficiently.
- ✓ Ensured stable, efficient, and redundant climate control, safeguarding production quality.

Our primary goal is to stabilize production hall temperatures below 28 °C to protect product quality, while leveraging existing heat pumps and integrating a high-efficiency chiller. This hybrid cooling solution enhances efficiency, minimizes scrap losses, and supports long-term sustainability.



Quality & Yield Protection

Maintained ambient temperature below 28 °C, eliminating scrap-related losses (~20% of production).



Optimized Asset Utilization

Converted existing heat pumps into cooling units, adding 3 MW capacity without major new investment.



Energy-Efficient Cooling

Hybrid design with high-efficiency centrifugal chiller minimized electricity demand while ensuring reliability.



Operational Resilience

Additional cooling towers and new AHU provided redundancy, stability, and long-term sustainability.

Cost & Impact Analysis



Total Investment
Cost
€ 2.518.000



Annual
Savings
€ 675.468



Payback
Period
3,73 years



Annual CO₂
Reduction
3,377 tons

✓ Hybrid system with chiller + heat pumps provides redundancy and resilience during peak loads.



COOLING SYSTEM MODERNIZATION

Objective

Sanovel Pharmaceutical aimed to modernize its cooling infrastructure to ensure precise temperature control, reduce carbon emissions, and lower energy consumption. The existing air-cooled chiller system caused operational risks during peak usage periods, directly impacting the storage temperature requirements of pharmaceutical production. A high-efficiency and reliable cooling solution was required to secure continuous product integrity and improve energy performance.

Approach

- ✓ Performed an investment-grade energy audit to understand the condition and performance of the existing air-cooled chillers and the cooling distribution network.
- ✓ Identified the necessity of maintaining a stable **5°C chilled-water supply** to meet pharmaceutical storage and production standards.
- ✓ According to detailed engineering calculations, the optimal solution is the High Efficient Water-Cooled Centrifugal Mitsubishi Chiller, providing **2444 kW** cooling capacity,
- ✓ Integrated ESCON's **Energy Eye** monitoring platform to provide real-time and historical performance tracking across all cooling systems.

Implementation

- ✓ The system was designed to consistently deliver **5°C chilled water**, eliminating previous temperature fluctuations that risked compromising pharmaceutical storage conditions.
- ✓ After installation and commissioning, Energy Eye data analytics showed an **average annual COP of 9**, confirming significant energy efficiency improvements.
- ✓ To maintain redundancy and operational security, the existing air-cooled chillers were retained as backup units. The new design ensures stable operation, improved energy performance, and reduced maintenance requirements.

High Efficient Water-Cooled Centrifugal Mitsubishi Chiller ensures stable 5°C cooling essential for pharmaceutical storage, replacing the less efficient air-cooled system with a high-performance, reliable solution. Integrated through a turnkey design, the system minimizes maintenance issues and eliminates temperature instability.



High Efficiency

Annual average COP of 9, significantly higher than the previous system.



Reduced Maintenance

Eliminates frequent maintenance associated with the former air-cooled chillers.



Stable Pharmaceutical Conditions

Constant 5°C water temperature ensures product quality.



Real-Time System Visibility

Energy Eye enables comprehensive monitoring and trend analysis.

Investment & Payback Summary



Total Investment
Cost

€ 478.400



Annual
Savings

€ 267.520



Payback
Period

1,79 years



Annual CO₂
Reduction

832,2 tons



COOLING SYSTEM MODERNIZATION

Objective

Bakrac Süt, active in Dairy Sector, aimed to modernize its cooling infrastructure to improve energy efficiency, enhance product quality, and increase overall operational reliability. The existing ammonia-based chiller serving **five rapid-cooling rooms and the storage room** was creating maintenance challenges, efficiency losses, and safety concerns.

Approach

- ✓ Conducted detailed investment-grade energy audit of the existing ammonia chillers and the cooling load requirements of all rapid-cooling and storage rooms.
- ✓ Designed a turnkey solution using a **High Efficient Water-Cooled Centrifugal Mitsubishi Chiller** optimized for low-temperature applications (**-5°C supply**).
- ✓ Ensured seamless integration with existing cooling rooms while improving process stability and energy performance.

Implementation

The production process requires yogurt leaving the incubation room at 43°C to be rapidly cooled to 6°C across five rapid-cooling rooms. This process necessitates a chilled-water supply at -5°C. After rapid cooling, the product remains in a storage room maintained at +4°C for two days before final preparation.

The existing ammonia chiller operated within a COP range of 2.8–3.2, resulting in high energy consumption and frequent downtime due to leakage and intensive maintenance.

ESCON designed and installed a fully turnkey system delivering the required **1,000 kW cooling capacity** with a significantly **improved COP range of 4.5 to 7**, depending on load conditions.

ESCON engineered and installed the complete turnkey system, including the chiller, pumps, valves, heat exchangers, cooling tower and automation, ensuring seamless integration and easy operation. The new solution also resolves previous issues such as frequent **refrigerant refills**, and unstable **cooling performance**, resulting in higher reliability and **reduced downtime**.



Higher Energy Efficiency

COP improvement from 2,5–3,2 to 4.5–7 delivers substantial energy savings.



Process Stability

Ensures precise temperatures for both rapid-cooling rooms and +4°C storage conditions.



Operational Safety

Ammonia-free design eliminates hazardous refrigerant risks.



Lower Maintenance Costs

Removes the need for frequent ammonia servicing, leakage repairs, and high-maintenance interventions.

Investment & Payback Summary



Total Investment
Cost

€ 392.500



Annual
Savings

€ 94.413



Payback
Period

4,15 years



Annual CO₂
Reduction

440,59 tons



COOLING SYSTEM MODERNIZATION

Objective

Işık Plastik required a more efficient, reliable, and easy-to-operate cooling solution to replace its existing decentralized system, which consisted of 30 regional coolers (10–20 kW each) and two air-cooled chillers. The goal was to reduce maintenance complexity, increase energy efficiency, and provide a scalable cooling infrastructure compatible with the plant's production growth.

Approach

- ✓ Conducted an investment grade energy audit to determine the optimal long-term cooling load.
- ✓ Compared the performance of the existing decentralized system ($COP \approx 2$) with high-efficiency alternatives.
- ✓ Identified High Efficient Water-Cooled Centrifugal Mitsubishi as the most suitable solution, offering a system-wide **average COP of 12.86**.
- ✓ Integrated redundancy by keeping two existing air-cooled chillers in standby mode within the system.
- ✓ Installed the Energy Eye monitoring system across the entire plant to enable real-time tracking and detailed performance analytics.

Implementation

Based on the energy study, ESCON replaced the decentralized cooling units with a single High Efficient Water Cooled Mitsubishi ETI-25 centrifugal chiller, delivering **942 kW** cooling capacity against the plant's required 910 kW load.

In addition to the cooling upgrade, the **Energy Eye** monitoring system was installed factory-wide, covering not only the cooling line but also hot and cold storage tanks, compressed air systems, and other critical utilities. This platform provides instant visibility into all energy streams and allows Işık Plastik to perform historical trend analysis and consumption-based optimization.

System reliability is strengthened by keeping the two existing air-cooled chillers as backup units. Maintenance needs are greatly reduced compared to the previous regional coolers, which required frequent service.



Substantial Energy Efficiency Improvement

COP increased from 2 to a system-wide average of 12.86.



Highly Reliable System

Centralized cooling with integrated backup chillers.



Reduced Maintenance Burden

Eliminates servicing needs of 30 regional cooling units.



Comprehensive Energy Monitoring

Energy Eye platform provides full plant-wide visibility and data-driven operational control.

Investment & Payback Summary



Total Investment Cost

€ 300.000



Annual Savings

€ 109.254



Payback Period

2,75 years



Annual CO₂ Reduction

432,89 tons

HEAT PUMP



Bolçi Çikolata

Project Name: Heat Pump Project
Location: Bolu
Sector: Food
Project Year: 2025
Savings: 219,2 TOE



01

Ak Gıda*

Project Name: Heat Pump Project
Location: Sakarya
Sector: Dairy
Project Year: 2024



02

Ak Gıda*

Project Name: Heat Pump Project
Location: Sakarya
Sector: Dairy
Project Year: 2024



03

Vestel Beyaz Eşya*

Project Name: Heat Pump Project
Location: Manisa
Sector: White Goods & Houseware
Project Year: 2023
Savings: 542,77 TOE



04

Unilever (Algida)*

Project Name: Heat Pump Project
Location: Konya
Sector: Food
Project Year: 2023
Savings: 85,13 TOE



05

Farba

Project Name: Heat Pump Project
Location: Kocaeli
Sector: Automotive Components
Project Year: 2022
Savings: 11,62 TOE



06

*Details of the projects are given at the end of this section.

Abdi İbrahim İlaç

Project Name: Heat Pump Project
Location: İstanbul
Sector: Pharmaceutical
Project Year: 2022



07

Abdi İbrahim İlaç

Project Name: Heat Pump Project
Location: İstanbul
Sector: Pharmaceutical
Project Year: 2022



08

Türk Traktör

Project Name: Heat Pump Project
Location: Sakarya
Sector: Automotive
Project Year: 2022
Savings: 42,2 TOE



09

Mercedes-Benz Türkiye*

Project Name: Heat Pump Project
Location: İstanbul
Sector: Automotive
Project Year: 2022
Savings: 40,8 TOE



Mercedes-Benz

10

Barry Callebaut*

Project Name: Heat Pump Project
Location: Eskişehir
Sector: Food
Project Year: 2022
Savings: 89,55 TOE



11

Sandoz İlaç

Project Name: Heat Pump Project
Location: Kocaeli
Sector: Pharmaceutical
Project Year: 2021
Savings: 123,3 TOE



12

*Details of the projects are given at the end of this section.

Sütaş

Project Name: Heat Pump Project
Location: İzmir
Sector: Dairy
Project Year: 2016



13



Objective

Vestel, home appliances manufacturer, initiated this project with the primary goal of reducing carbon emissions and improving overall energy efficiency. The plant relied on purchasing hot water from the Organized Industrial Zone, which created a significant cost and carbon burden.

Approach

- ✓ Conducted a comprehensive energy audit to evaluate current heating and cooling requirements and determine the most efficient long-term solution.
- ✓ Assessed the thermal load supplied by the Organized Industrial Zone and the cooling loads associated with the plant's production processes.
- ✓ Determined that a **large-capacity water source heat pump (>1600 kW)** would be the optimal solution, enabling Vestel to self-generate the required 80- 85C hot water.
- ✓ Calculated that the required hot water demand could be met with **1647 kW of heating capacity Heat Pump**, where the cooling capacity is **1194 kW** by utilizing the existing cooling towers as a heat source.
- ✓ Designed the entire project as a turnkey solution, integrating full system control through the Energy Eye monitoring platform.

Implementation

ESCON designed and installed Türkiye's largest single-unit water source heat pump system, delivering **1647 kW heating** and **1194 kW cooling**.

Previously supplied hot water from the Organized Industrial Zone, was fully replaced by the installed water sourced heat pump system which provides **80–85°C hot water**.

The integration of Energy Eye enables real-time monitoring of all thermal outputs, energy consumption, and system stability, ensuring full operational transparency and optimal performance.

The turnkey design significantly reduces carbon emissions, lowers operational costs, and ensures stable heating and cooling across the plant. With the Energy Eye monitoring system, Vestel gains complete visibility into all thermal and energy data, enabling continuous optimization and advanced performance analytics. As **Türkiye's largest single-unit heat pump installation**, this system sets a new benchmark in energy efficiency industry.

**Major Carbon Reduction**

Eliminates reliance on externally supplied hot water.

**Renewable Energy Utilization**

Enables direct use of Vestel's solar energy generation.

**High-Efficiency Thermal Performance**

1647 kW heating and 1194 kW cooling delivered by a single water sourced heat pump system.

**Record-Setting Installation**

Turkey's largest single unit heat water sourced heat pump.

Investment & Payback Summary

Total Investment
Cost

€ 453.990



Annual
Savings

€ 380.953



Payback
Period

1,19 years



Annual CO₂
Reduction

660,42 tons



Mercedes-Benz

İSTANBUL, TÜRKİYE

HEATING & COOLING SYSTEM MODERNIZATION

Objective

The production process previously relied on steam boilers for hot water and conventional chillers for cooling, resulting in high fossil-fuel dependency, fluctuating seasonal energy loads, and elevated operational and maintenance costs.

The project aims to integrate a high-efficiency, variable-speed heat pump system to simultaneously supply **65 °C hot water and 6 °C chilled water**, significantly reducing natural gas consumption, electricity demand, and carbon emissions while ensuring stable production conditions.

Approach

- ✓ Deployment of a **high-efficiency, variable-speed heat pump** designed to serve both heating and cooling needs.
- ✓ On the heating side, the system increases water temperature from **60 °C to 65 °C**.
- ✓ On the cooling side, the system decreases chilled water return water from **12 °C to 6 °C**.
- ✓ Remote control and monitoring capability for compressor load, COP values, and water temperatures.

Implementation

- ✓ Heating Demand Reduction (via heat pump):
 - 364 kW during Nov–Feb
 - 273 kW during Mar–Apr & Sep–Oct
 - 182.3 kW during May–Aug
- ✓ Cooling Demand Reduction (via heat pump):
 - 89 kW during Nov–Feb
 - 146 kW during Mar–Apr & Sep–Oct
 - 203 kW during May–Aug
- ✓ Heat pump provides **total COP as 5,84**, ensuring efficient operation across seasons. Steam boiler and chillers kept as backup but no longer required in standard operation.

Comprehensive engineering studies and load simulations demonstrated that a high-efficiency, variable-speed heat pump provides the most sustainable solution to simultaneously cover heating and cooling demands..



Carbon Reduction

Annual CO₂ emissions reduced significantly through decreased boiler and chiller usage.



High Efficiency

Variable-speed operation maximizes part-load performance, lowering seasonal energy consumption.



Process Reliability

Stable 65 °C hot water and 6 °C chilled water guarantee uninterrupted production quality.



Digital Flexibility

Remote monitoring allows optimization of performance, maintenance, and energy use.

Cost & Impact Analysis



Total Investment
Cost
€ 95.130



Annual
Savings
€ 51.994



Payback
Period
1,83 years



Annual CO₂
Reduction
315,2 tons

✓ Lower boiler and chiller runtime minimizes wear and extends maintenance intervals.



HEATING & COOLING SYSTEM MODERNIZATION

Objective

In the baseline configuration, Hot water was produced only by gas-fired boilers, leading to **high fossil-fuel dependency and operating costs**. Cooling needs were met by cooling towers, which increased both electricity and water consumption. This setup constrained sustainability performance and progress toward decarbonization goals.

The project aims to reduce natural gas consumption by integrating a high-efficiency heat pump system, **enabling fuel switch and electrification** while maintaining stable hot water and cooling supply for production processes.

Approach

- ✓ **Detailed Energy Audit (DEE) study** was conducted to determine heating and cooling loads and annual operating hours.
- ✓ Based on the results, a **semi-hermetic twin-screw heat pump** was designed and installed.
- ✓ **Source:** Cooling tower water (25 °C) used as input; temperature reduced to **20 °C** through the evaporator.
- ✓ **Output:** Return hot water temperature from process at **57 °C** increased to **62 °C** in condenser.
- ✓ Full installation included piping, insulation, pumps, valves, electrical systems, and digital monitoring.

Implementation

- ✓ **Cooling Capacity:** 216.5 kW_c (25 °C > 20 °C)
- ✓ **Heating Capacity:** 275.3 kW_t (57 °C > 62 °C)
- ✓ **Electricity Consumption:** 58.8 kW_e
- ✓ **Performance Coefficients:** Heating + Cooling COP = 8,36
- ✓ Stable heating and cooling achieved with continuous heat pump operation.

Comprehensive engineering assessments confirmed the heat pump as the most efficient and environmentally sustainable option to meet both heating and cooling requirements, while reducing reliance on fossil fuels.



Carbon Reduction

Substantial decrease in natural gas consumption supports decarbonization strategy.



High Efficiency

Superior COP values (4.68 for heating, 3.68 for cooling) maximize performance.



Operational Reliability

Stable 62 °C hot water and 20 °C chilled water ensure uninterrupted production.



Process Integration

Smooth integration with existing boiler and cooling tower systems.

Cost & Impact Analysis



Total Investment
Cost
€ 157.000



Annual
Savings
€ 60.627



Payback
Period
2,6 years



Annual CO₂
Reduction
252,4 tons



HEATING & COOLING SYSTEM MODERNIZATION

Objective

ESCON has worked with Lactalis for over a decade, delivering high-efficiency cooling systems at five plants in Turkey and one plant in Ukraine. The Pamukova plant previously operated separate heating and cooling systems for dairy production, despite the process requires both loads simultaneously. Lactalis aimed to modernize its thermal infrastructure, reduce energy consumption, and integrate a high-efficiency solution capable of managing parallel heating and cooling demands.

Approach

- ✓ Conducted a detailed energy-efficiency audit to analyze simultaneous thermal loads and process requirements.
- ✓ Evaluated historical performance of existing ESCON installed High Efficient Water-Cooled Centrifugal Mitsubishi Chiller systems (three units of 2.3 MW chillers installed in 2013, 2015, and 2017), which achieved average **COP levels around 9**.
- ✓ Determined that a **water sources heat pump-based solution** would provide the highest efficiency for the plant's combined heating and cooling needs.
- ✓ Developed a dual heat pump configuration capable of delivering both thermal loads in parallel.
- ✓ Integrated ESCON's **Energy Eye** monitoring platform with all chiller and thermal systems, enabling Lactalis to monitor real-time performance as well as historical trends across the entire plant with ease.

Implementation

In Pamukova Plant, engineering calculations demonstrated that operating two heat pumps together would meet the required capacities—**1420 kW heating and 1086 kW cooling**. The integrated system achieves a **COP of 7.5** when heating and cooling runs simultaneously by 334 kW of total compressor power. This configuration ensures high efficiency, stable operation, and optimal thermal management for dairy processes.

The dual heat pump system delivers simultaneous high-efficiency heating and cooling, replacing separate thermal units with a unified solution that improves production stability and energy performance.

The new design enhances efficiency, reduces operational complexity, and supports Lactalis Group's long-term sustainability goals.



Simultaneous Heating And Cooling

High-efficient heat pumps reach a COP of 7.5.



Lower Operational Costs

Unified system reduces energy consumption and maintenance needs.



Strong Thermal Capacity

1420 kW heating and 1086 kW cooling delivered through dual heat pump operation.



Proven Technology Partnership

Builds on over a decade of successful ESCON-Lactalis collaboration across multiple plants.

Investment & Payback Summary



Total Investment Cost

€ 540.000



Annual Savings

€ 331.026



Payback Period

1,63 years



Annual CO₂ Reduction

2.632,8 tons



HEATING & COOLING SYSTEM MODERNIZATION

Objective

In the baseline configuration, hot water for ice cream production was maintained at 65 °C using steam boilers, consuming around **200,000 kcal/h (≈240 kW) of thermal energy** plus 4.3 kW of electricity from cooling tower fans. This created a total energy demand of roughly 245 kW, resulting in high natural gas dependency and increased operating costs.

The project aims to reduce the load on the existing steam generation system by recovering and utilizing waste heat, thereby lowering natural gas consumption, improving overall efficiency, and supporting the company's sustainability goals.

Approach

- ✓ Integration of an **ESCON heat pump** to maintain stable **65 °C water temperature**.
- ✓ Designed to cover both heating and cooling demands, reducing or **eliminating the need for cooling tower fans**.
- ✓ Complete installation of piping, pumps, valves, sensors, insulation, and digital monitoring systems.
- ✓ Remote monitoring and control of compressor and water temperature via digital interface.

Implementation

- ✓ Steam boiler kept as backup but no longer activated under normal operation.
- ✓ Energy consumption reduced from **244.3 kWh > 45.6 kWh (≈75% improvement)**.
- ✓ All engineering plans executed without deviations, ensuring reliable system performance.

Within the scope of this project, all potential solutions were thoroughly evaluated, and our engineering team conducted a comprehensive research and feasibility study. Based on technical analyses and on-site data, it was concluded that a **heat pump system** is the most efficient and environmentally sustainable solution.



Reduced Carbon Emissions

Lower natural gas dependency cuts fossil fuel use.



Optimized Energy Efficiency

Energy demand decreased by ~75% with integrated heat pump.



Operational Reliability

Stable hot water supply at 65 °C ensures product quality in ice cream production.



Enhanced Flexibility

Digital monitoring enables remote control of compressor and water temperature.

Cost & Impact Analysis



Total Investment
Cost
€ 156.580



Annual
Savings
€ 74.112



Payback
Period
2,11 years



Annual CO₂
Reduction
163,5 tons

ENERGY MONITORING SYSTEM (ENERGY EYE)



Coca Cola İçecek

Project Name: Energy Monitoring System
Location: Tekirdağ
Sector: Beverage
Project Year: 2025



01

Bolçi Çikolata

Project Name: Energy Monitoring System
Location: Bolu
Sector: Food
Project Year: 2025



02

Oğuz Gıda

Project Name: Energy Monitoring System
Location: Konya
Sector: Food & Beverage
Project Year: 2025



03

Oğuz Gıda (Daren Logistics)

Project Name: Energy Monitoring System
Location: Adana
Sector: Food & Beverage
Project Year: 2025



04

Oğuz Gıda

Project Name: Energy Monitoring System
Location: Sakarya
Sector: Food & Beverage
Project Year: 2025



05

Memorial Hospital

Project Name: Energy Monitoring System
Location: Göztepe, İstanbul
Sector: Commercial Buildings
Project Year: 2025



06

Memorial Hospital

Project Name: Energy Monitoring System
Location: Ankara
Sector: Commercial Buildings
Project Year: 2025

MEMORIAL

07

Memorial Hospital

Project Name: Energy Monitoring System
Location: Antalya
Sector: Commercial Buildings
Project Year: 2025

MEMORIAL

08

Memorial Hospital

Project Name: Energy Monitoring System
Location: Şişli, İstanbul
Sector: Commercial Buildings
Project Year: 2025

MEMORIAL

09

Brisa Bridgestone

Project Name: Energy Monitoring System
Location: Kocaeli
Sector: Automotive Components
Project Year: 2025

BRI SA

10

Bakraç Süt

Project Name: Energy Monitoring System
Location: Amasya
Sector: Dairy
Project Year: 2025

"gerçek anadolu lezzetleri"
Bakraç
Süt Ürünleri

11

Reka Bitkisel Yağlar

Project Name: Energy Monitoring System
Location: Tekirdağ
Sector: Vegetable Oil
Project Year: 2024

REKA
OIL

12

Akdeniz Chemson

Project Name: Energy Monitoring System
Location: İzmir
Sector: Chemicals
Project Year: 2024



13

Ak Gıda

Project Name: Energy Monitoring System
Location: Sakarya
Sector: Dairy
Project Year: 2024



14

Ak Gıda

Project Name: Energy Monitoring System
Location: Sakarya
Sector: Dairy
Project Year: 2024



15

Vestel Beyaz Eşya

Project Name: Energy Monitoring System
Location: Manisa
Sector: White Goods & Houseware
Project Year: 2023



16

Coca Cola İçecek

Project Name: Energy Monitoring System
Location: Isparta
Sector: Beverage
Project Year: 2023



17

CFN Kimya

Project Name: Energy Monitoring System
Location: Kocaeli
Sector: Chemical & Petrochemical
Project Year: 2023



18

Selsa Otomotiv

Project Name: Energy Monitoring System
Location: Bursa
Sector: Automotive Components
Project Year: 2023

SELSA

19

Oyak Renault

Project Name: Energy Monitoring System
Location: Bursa
Sector: Automotive
Project Year: 2022



Oyak Renault
Otomobil Fabrikaları

20

Memorial Hospital

Project Name: Energy Monitoring System
Location: Ataşehir, İstanbul
Sector: Commercial Buildings
Project Year: 2022

MEMORIAL

21

Ak Gıda

Project Name: Energy Monitoring System
Location: Sakarya
Sector: Dairy
Project Year: 2022



GRUPE
LACTALIS

22

Barry Callebaut

Project Name: Energy Monitoring System
Location: Eskişehir
Sector: Food
Project Year: 2022



CALLEBAUT
BELGIUM 1911

23

Işık Plastik

Project Name: Energy Monitoring System
Location: Kocaeli
Sector: Plastics
Project Year: 2022



IşıkPlastik

24

Dimes Gıda

Project Name: Energy Monitoring System
Location: İzmir
Sector: Beverage & Dairy
Project Year: 2022



25

Türk Traktör

Project Name: Energy Monitoring System
Location: Sakarya
Sector: Automotive
Project Year: 2022

TürkTraktör

26

Pjsc Lactalis

Project Name: Energy Monitoring System
Location: Mykolaiv, Ukraine
Sector: Dairy
Project Year: 2021



27

Küçükçalık Tekstil

Project Name: Energy Monitoring System
Location: Sakarya
Sector: Textile
Project Year: 2021



28

Döhler Gıda

Project Name: Energy Monitoring System
Location: Karaman
Sector: Food & Beverage
Project Year: 2021



29

Sanovel İlaç

Project Name: Energy Monitoring System
Location: İstanbul
Sector: Pharmaceutical
Project Year: 2021



30

Ak Gıda

Project Name: Energy Monitoring System
Location: İzmir
Sector: Dairy
Project Year: 2021



31

Ak Gıda

Project Name: Energy Monitoring System
Location: Karaman
Sector: Dairy
Project Year: 2020



32

Ak Gıda

Project Name: Energy Monitoring System
Location: Kahramanmaraş
Sector: Dairy
Project Year: 2020



33

Ak Gıda

Project Name: Energy Monitoring System
Location: Kırklareli
Sector: Dairy
Project Year: 2020



34

Gürsüt

Project Name: Energy Monitoring System
Location: İzmir
Sector: Dairy
Project Year: 2020



35

Sütaş

Project Name: Energy Monitoring System
Location: İzmir
Sector: Dairy
Project Year: 2016



36

Yörsan Gıda

Project Name: Energy Monitoring System
Location: Balıkesir
Sector: Dairy
Project Year: 2016



37

Memorial Hospital

Project Name: Energy Monitoring System
Location: Diyarbakır
Sector: Commercial Buildings
Project Year: 2015

MEMORIAL

38

Birlik Örme

Project Name: Energy Monitoring System
Location: Tekirdağ
Sector: Textile
Project Year: 2015



39

Eti Gıda

Project Name: Energy Monitoring System
Location: Eskişehir
Sector: Food
Project Year: 2014



40

Asil Çelik

Project Name: Energy Monitoring System
Location: Bursa
Sector: Steel
Project Year: 2012



41

Edirne Giyim

Project Name: Energy Monitoring System
Location: Edirne
Sector: Textile
Project Year: 2012



42

Ak Gıda

Project Name: Energy Monitoring System
 Location: Sakarya
 Sector: Dairy
 Project Year: 2012



43

Eti Gıda

Project Name: Energy Monitoring System
 Location: Eskişehir
 Sector: Food
 Project Year: 2012



44

Bahçivan Gıda

Project Name: Energy Monitoring System
 Location: Kırklareli
 Sector: Dairy
 Project Year: 2012



45

Gülle Tekstil

Project Name: Energy Monitoring System
 Location: Tekirdağ
 Sector: Textile
 Project Year: 2011



46

NNG Enerji

Project Name: Energy Monitoring System
 Location: İstanbul
 Sector: Energy
 Project Year: 2011



47

Ege Tekstil

Project Name: Energy Monitoring System
 Location: Denizli
 Sector: Textile
 Project Year: 2011



48

Optimum Gaz

Project Name: Energy Monitoring System
Location: Kocaeli
Sector: Energy Infrastructure
Project Year: 2011



49

AD Demirel Çelik

Project Name: Energy Monitoring System
Location: Kocaeli
Sector: Steel
Project Year: 2011

50

Güngen Denizcilik

Project Name: Energy Monitoring System
Location: İstanbul
Sector: Logistics
Project Year: 2011



51

Polisan

Project Name: Energy Monitoring System
Location: Kocaeli
Sector: Chemicals
Project Year: 2011



52

Soorty

Project Name: Energy Monitoring System
Location: Pakistan
Sector: Textile
Project Year: 2011



53

Mey Diageo

Project Name: Energy Monitoring System
Location: Karaman
Sector: Beverage
Project Year: 2011



54

Pepsico

Project Name: Energy Monitoring System
Location: İzmir
Sector: Beverage
Project Year: 2011



55

Penti

Project Name: Energy Monitoring System
Location: Tekirdağ
Sector: Textile
Project Year: 2010

Penti

56

Tofaş

Project Name: Energy Monitoring System
Location: Bursa
Sector: Automotive
Project Year: 2010



57

Pepsico

Project Name: Energy Monitoring System
Location: Adana
Sector: Beverage
Project Year: 2010



58

Mey Diageo

Project Name: Energy Monitoring System
Location: Manisa
Sector: Beverage
Project Year: 2010



59

Mey Diageo

Project Name: Energy Monitoring System
Location: Tekirdağ
Sector: Beverage
Project Year: 2010



60

Mey Diageo

Project Name: Energy Monitoring System
Location: Nevşehir
Sector: Beverage
Project Year: 2010



61

Mey Diageo

Project Name: Energy Monitoring System
Location: Nevşehir
Sector: Beverage
Project Year: 2009



62

Pepsico

Project Name: Energy Monitoring System
Location: İzmir
Sector: Beverage
Project Year: 2009



63

Trelleborg

Project Name: Energy Monitoring System
Location: Tekirdağ
Sector: Automotive Components
Project Year: 2009



64

Sandoz İlaç

Project Name: Energy Monitoring System
Location: İstanbul
Sector: Pharmaceutical
Project Year: 2009



65

Mey Diageo

Project Name: Energy Monitoring System
Location: Tekirdağ
Sector: Beverage
Project Year: 2009



66

Novartis İlaç

Project Name: Energy Monitoring System
Location: İstanbul
Sector: Pharmaceutical
Project Year: 2008



67

Fritolay

Project Name: Energy Monitoring System
Location: Mersin
Sector: Food
Project Year: 2008
Savings:



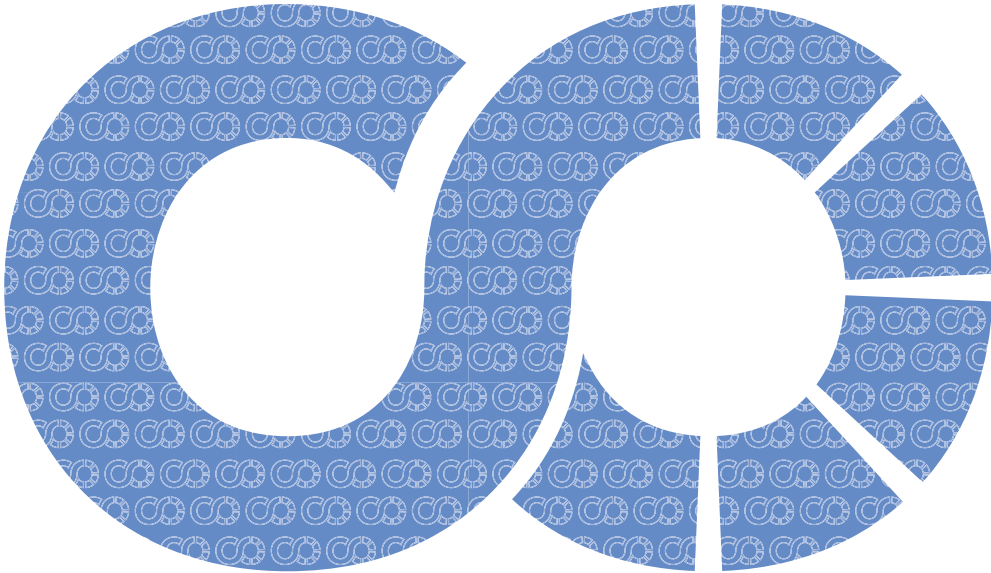
68

Fritolay

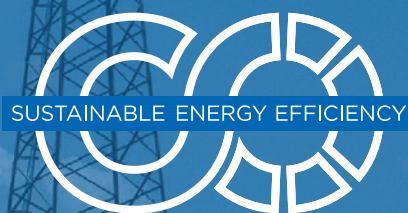
Project Name: Energy Monitoring System
Location: Kocaeli
Sector: Food
Project Year: 2007



69



OTHER SOLUTIONS



SUSTAINABLE ENERGY EFFICIENCY

Novartis İlaç

Project Name: Solar Energy Monitoring System
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2024



01

Bekaert

Project Name: HVAC Units EC Fan Application
 Location: Kocaeli
 Sector: Metal
 Project Year: 2024
 Savings: 40,68 TOE



02

QEERI*

Project Name: Efficiency Increase by Integration of Absorption Heat Pump to Conventional Multi-Stage Evaporation (Distillation) System
 Location: Qatar
 Sector: Energy
 Project Year: 2022



03

TPI Composites

Project Name: Rooftop Solar Energy System
 Location: İzmir
 Sector: Composite Blade Manufacturing
 Project Year: 2022
 Savings: 111,5 TOE



04

Novartis İlaç*

Project Name: Rooftop Solar Energy System
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2020
 Savings: 241,52 TOE



05

Sandoz İlaç

Project Name: Rooftop Solar Energy System
 Location: Kocaeli
 Sector: Pharmaceutical
 Project Year: 2020
 Savings: 105,35 TOE



06

*Details of the projects are given at the end of this section.

Türkkan Yağları

Project Name: Desuperheater Project
 Location: Ukraine
 Sector: Vegetable Oil
 Project Year: 2015



07

Vega Endüstriyel

Project Name: Pressure Reducing Desuperheater Project
 Location: İzmir
 Sector: Industrial HVAC and Piping Systems
 Project Year: 2014



08

Kümaş Manyezit

Project Name: Boiler Room Project
 Location: Kütahya
 Sector: Chemicals
 Project Year: 2014



09

Kardemir Karabük Demir Çelik

Project Name: Desuperheater Project
 Location: Karabük
 Sector: Iron & Steel
 Project Year: 2013



10

Pepsico

Project Name: Heating, Ventilation and Air Conditioning (HVAC)
 Location: Tekirdağ
 Sector: Beverage
 Project Year: 2013



11

Ak-Tops Tekstil

Project Name: Pressure Reducing Desuperheater Project
 Location: Yalova
 Sector: Textile
 Project Year: 2012



12

Aksa Enerji

Project Name: Pressure Reducing Desuperheater Project
 Location: İstanbul
 Sector: Energy
 Project Year: 2010



13

Kombassan Kağıt

Project Name: Termocompressor Project
 Location: Konya
 Sector: Paper
 Project Year: 2010



14

TÜBİTAK

Project Name: Pressure Reducing Desuperheater Project
 Location: Kocaeli
 Sector: Public Administration
 Project Year: 2009



15

Pepsico

Project Name: Rooftop Solar Energy System
 Location: Adana
 Sector: Beverage
 Project Year: 2011



16

Pepsico

Project Name: Rooftop Solar Energy System
 Location: Adana
 Sector: Beverage
 Project Year: 2010



17

Birlik Lojistik

Project Name: Thermal Oil Boiler Project
 Location: Kocaeli
 Sector: Logistics
 Project Year: 2008



18



DECARBONIZING DESALINATION PROJECT

Objective

Conventional desalination technologies require high levels of energy, steam, and pumping power, resulting in increased operational costs and environmental impact. With global water scarcity projected to rise by 40% by 2030, sustainable solutions have become essential.

The project aims to improve seawater desalination efficiency by minimizing energy demand and enabling the use of low-grade heat sources such as process waste heat, engine cooling, or solar thermal energy. ESCON's advanced MED-ABS systems are designed to ensure reliable, low-carbon, and cost-effective water production.

Approach

- ✓ Develop and integrate **MED-ABS technology** with absorption heat pumps for waste heat recovery.
- ✓ Enable operation with **low-grade heat sources** (waste heat, engine cooling, solar thermal).
- ✓ Install **plate-type heat exchangers** for heat transfer and adaptability to load variations.
- ✓ Conduct R&D to improve resilience against impurities and high salinity levels.

Implementation

- ✓ Location: Dukhan coastal facility, Qatar.
- ✓ Energy demand reduced from **12 kWh/m³ to 4.5 kWh/m³**.
- ✓ Compared to MED-TVC: **40% less heating steam and 55% lower pumping power**.
- ✓ Overall energy consumption cut by ~45%, with **~30% lower unit water cost**.

Our primary goal is to improve the overall efficiency of seawater desalination by minimizing energy requirements and reducing dependency on intensive steam and pumping systems. By enabling the use of low-grade heat sources such as process waste heat, engine cooling, or solar thermal energy, the project ensures a more sustainable operation while also delivering a noticeable reduction in water production costs.



Reduce water consumption in seawater desalination %60



Lower steam and pumping demand, achieving 40% less heating steam and 55% less pumping power compared to MED-TVC.



Decrease water production cost by 30%, ensuring more efficient and sustainable desalination.



Enable operation with low-grade heat sources, such as process waste heat, engine cooling heat, or solar thermal energy.

Cost & Impact Analysis



Used Water Saving
%60 less



Required Pump Power
%55 less



Required Heated Steam
%40 less



ESCON's first International R&D Project

- ✓ Flexibility to operate on multiple low-temperature heat sources
- ✓ Resilience against feedwater impurities and high salinity

ROOFTOP SOLAR SYSTEM

Objective

Novartis, a leading global pharmaceutical company, sought to reduce its carbon footprint and operational energy costs by transitioning to renewable energy. To support these goals, ESCON implemented rooftop solar PV systems at the **Novartis Kurtköy** and **Sandoz Gebze** factories.

The project aims to advance Novartis' sustainability and decarbonization objectives by generating renewable electricity on-site, reducing grid consumption and CO₂ emissions, and ensuring long-term energy independence.

Approach

- ✓ Full turnkey EPC (Engineering, Procurement, and Construction) service provided by ESCON.
- ✓ Scope included PV modules, inverters, optimizers, AC/DC cabling, HDPE piping, main distribution cabling (FES), and system commissioning.
- ✓ All permitting, application, and approval processes with **EDAŞ** and **TEDAŞ** were successfully managed by ESCON.
- ✓ High-efficiency solar modules with **25-year performance guarantee** and **10-year physical guarantee** were selected to ensure long-term reliability.

Implementation

✓ Novartis Kurtköy Factory

- Installed Capacity: **2,000 kW DC**
- Specific Yield: **1,206 kWh/kWp**
- Annual Generation: **2,412,000 kWh**

✓ Novartis Sandoz Gebze Factory

- Installed Capacity: **820 kW DC**
- Specific Yield: **1,206 kWh/kWp**
- Annual Generation: **988,920 kWh**

This dual-site project provides Novartis with reliable renewable energy supply, reducing electricity drawn from the grid and significantly lowering annual CO₂ emissions. The systems are designed for long-term operation with minimal maintenance and maximum performance stability.



Carbon Reduction

Direct contribution to corporate sustainability and decarbonization targets.



Long-Term Performance

25-year module performance guarantee secures predictable energy yield.



Operational Savings

Reduced dependency on grid electricity lowers long-term energy costs.



Comprehensive EPC Delivery

Turnkey project execution including permits, installation, and commissioning.

Cost & Impact Analysis



Total Investment Cost
€ 1.394.170



Annual Savings
€ 350.294



Payback Period
3,99 years



Annual CO₂ Reduction
1.700,5 tons

✓ Solar systems require limited maintenance compared to conventional energy sources.



TECHNICAL ASSISTANCE



Med-Mar Sağlık

Project Name: Salt Process Final Drying R&D Project
Location: Kastamonu
Sector: Healthcare
Project Year: 2025

01

Northern Anatolia Development Agency

Project Name: Salt Process Final Drying R&D Project
Location: Çankırı
Sector: Public Administration
Project Year: 2025



02

Enerjisa Müşteri Çözümleri

Project Name: High-Efficiency HVAC Project for the Production Building Utilizing Chiller and Heat Pump Systems
Location: Kocaeli
Sector: Energy
Project Year: 2024-2025



03

Oyak Renault

Project Name: Efficiency Increasing and Carbon Emission Reducing EPC Project with Technical Assistance
Location: Bursa
Sector: Automotive
Project Year: 2022-2025



04

Tekfen Holding

Project Name: Carbon Net Zero Roadmap Technical Consultancy Project
Location: Türkiye
Sector: Fertilizer
Project Year: 2024



05

Republic of Türkiye Ministry of Industry and Technology & European Union

Project Name: Increasing SME's Awareness in Energy Efficiency and Sustainability through the Learn & Transform Program
Location: Türkiye
Sector: Public Administration
Project Year: 2024



06

İzmir Development Agency

Project Name: Feasibility Study for the Resource Efficiency Center
 Location: İzmir
 Sector: Service
 Project Year: 2024



07

European Bank for Reconstruction and Development (EBRD)

Project Name: Sustainable Finance Program for the Decarbonization Process in the Supply Chain of the Metal Industry
 Location: Türkiye (14 facilities)
 Sector: Banking & Finance
 Project Year: 2024
 Projected Savings: 2.229,92 TOE



08

Republic of Türkiye Ministry of Energy and Natural Resources (MENR)

Project Name: Support for Drafting Türkiye's 2nd National Energy Efficiency Vision, Strategy and Action Plan (2024-2030)
 Location: Türkiye
 Sector: Public Administration
 Project Year: 2023



09

Republic of Türkiye Ministry of Industry and Technology (MoIT)

Project Name: Consulting Services For Low Carbon and Climate Resilient Roadmap for the Turkish Fertilizer Sector
 Location: Türkiye
 Sector: Public Administration
 Project Year: 2023



10

Istanbul Chamber of Industry

Project Name: Energy Efficiency Analysis
 Location: İstanbul (15 facilities)
 Sector: Service
 Project Year: 2023
 Projected Savings: 791,69 TOE



11

Republic of Türkiye Ministry of Energy and Natural Resources (MENR)

Project Name: Consulting Services for Strengthening the Technical Capacities of ESCOs, Energy Auditing Firms and MENR's Trainers
 Location: Türkiye
 Sector: Public Administration
 Project Year: 2021-2023



12

Ministry of Environment, Urbanization and Climate Change (MoEUCC)

Project Name: Consultancy Services to Provide Technical Assistance to General Directorate of Construction Affairs (GDCA) for Public Building Renovations
Location: Türkiye
Sector: Public Administration
Project Year: 2020-2023



13

Balıkesir Water and Sewerage Administration

Project Name: Detailed Energy Audit
Location: Balıkesir
Sector: Public Administration
Project Year: 2022
Projected Savings: 125,4 TOE



14

Istanbul Chamber of Industry

Project Name: Industrial Energy Efficiency Consulting and Reporting
Location: İstanbul
Sector: Service
Project Year: 2021
Projected Savings: 2.503 TOE



15

UNDP & EnerjiSA

Project Name: Preliminary Energy Audit(s) Raising Awareness on Energy Efficiency through Development of a Green Destination Model Project
Location: Balıkesir
Sector: International Organization & Energy
Project Year: 2021



16

Middle Black Sea Development Agency

Project Name: Preliminary and Detailed Energy Audit
Location: Amasya
Sector: Service
Project Year: 2021
Projected Savings: 77,9 TOE



17

Middle Black Sea Development Agency

Project Name: Preliminary and Detailed Energy Audit
Location: Tekkeköy, Samsun
Sector: Service
Project Year: 2021
Projected Savings: 4,0 TOE



18

Middle Black Sea Development Agency

Project Name: Preliminary and Detailed Energy Audit
 Location: Çorum
 Sector: Service
 Project Year: 2021
 Projected Savings: 54,13 TOE



19

Middle Black Sea Development Agency

Project Name: Preliminary and Detailed Energy Audit
 Location: Samsun
 Sector: Service
 Project Year: 2021
 Projected Savings: 326,7 TOE



20

Firat Development Agency

Project Name: Preliminary Energy Audit
 Location: Malatya
 Sector: Service
 Project Year: 2021
 Projected Savings: 1.642,38 TOE



21

Firat Development Agency

Project Name: Preliminary Energy Audit
 Location: Elazığ
 Sector: Service
 Project Year: 2021
 Projected Savings: 602,04 TOE



22

Firat Development Agency

Project Name: Preliminary Energy Audit
 Location: Bingöl
 Sector: Service
 Project Year: 2021
 Projected Savings: 129,56 TOE



23

Firat Development Agency

Project Name: Preliminary Energy Audit
 Location: Tunceli
 Sector: Service
 Project Year: 2021



24

Republic of Türkiye Ministry of Energy and Natural Resources (MENR)

Project Name: Technical Assistance for Enhancement of Institutional Capacity in Energy Efficiency
Location: Türkiye
Sector: Public Administration
Project Year: 2020-2021



25

European Bank for Reconstruction and Development (EBRD)

Project Name: Technical Consultancy Project for Green Investment Scoping Study in Public Buildings
Location: Türkiye
Sector: Banking & Finance
Project Year: 2019-2020



26

World Bank

Project Name: Technical Consultancy Project for Supporting Energy Efficiency Investments
Location: Türkiye
Sector: Banking & Finance
Project Year: 2019



27

İzmir Atatürk Organized Industrial Zone (İAOİZ)

Project Name: Eco-Industrial Park Transformation: Green İAOİZ
Location: İzmir
Sector: Industrial & Manufacturing Infrastructure
Project Year: 2019
Projected Savings: 59,2 TOE



28

H&M Suppliers (JV - GTE Carbon)

Project Name: Consultancy / Resource Efficiency and Clean Production Technologies Technical Assistance Project for H&M Suppliers
Location: Türkiye
Sector: Textile
Project Year: 2018-2019
Projected Savings: 14.987,7 TOE



29

Metropolitan Municipality of Gaziantep

Project Name: Consultancy / Preparation of SECAP (Sustainable Energy and Climate Action Plan)
Location: Gaziantep
Sector: Public Administration
Project Year: 2017-2018



30

General Directorate for EU and Foreign Relations of the Ministry of Energy

Project Name: EU/IPA Energy Sector Technical Assistance Project EU IPA12/CS04 Consulting Services for the Energy Efficiency
Location: Türkiye
Sector: Public Administration
Project Year: 2015-2017



31

UNIDO

Project Name: Improving Energy Efficiency in Industry (IEEI) in Türkiye
Location: Türkiye
Sector: International Organization
Project Year: 2015-2017
Projected Savings: 981,7 TOE



32

Republic of Türkiye Ministry of Energy and Natural Resources (MENR)

Project Name: Promotion of Energy-Efficiency by Long Term Agreements in Turkish Industry G2G VA-EE Türkiye Project
Location: Türkiye
Sector: Public Administration
Project Year: 2008-2010



33



ENERGY AUDITS & CONSULTANCY



AUTOMOTIVE



Brisa Bridgestone

Project Name: Investment Grade Energy Audit
Location: Kocaeli
Sector: Automotive Components
Project Year: 2025
Projected Savings: 115,8 TOE



01

Turkish Airlines

Project Name: Detailed Energy Audit
Location: İstanbul
Sector: Aviation
Project Year: 2025
Projected Savings: 32,47 TOE



02

Kirpart

Project Name: Consultancy for Energy Efficiency Incentive Program
Location: Bursa
Sector: Automotive Components
Project Year: 2025
Projected Savings: 96,31 TOE



03

Hyundai Assan

Project Name: Investment Grade Energy Audit
Location: Kocaeli
Sector: Automotive
Project Year: 2024
Projected Savings: 1.034,17 TOE



04

Turkish Engine Center (TEC)

Project Name: Investment Grade Energy Audit
Location: İstanbul
Sector: Aviation
Project Year: 2024
Projected Savings: 301 TOE



05

Canel Otomotiv

Project Name: ISO 50001 Consultancy
Location: Bursa
Sector: Automotive Components
Project Year: 2024



06

Tamcam Oto Cam Sanayii

Project Name: Preliminary Energy Audit
Location: İstanbul
Sector: Automotive Glass
Project Year: 2024
Projected Savings: 80,1 TOE



07

Karsan Otomotiv

Project Name: Detailed Energy Audit
Location: Hasanağa OSB, Bursa
Sector: Automotive
Project Year: 2023
Projected Savings: 26,4 TOE



08

Karsan Otomotiv

Project Name: Detailed Energy Audit
Location: Bursa OSB, Bursa
Sector: Automotive
Project Year: 2023
Projected Savings: 343,8 TOE



09

Farba

Project Name: ISO 50001 Consultancy
Location: Kocaeli
Sector: Automotive Components
Project Year: 2023



10

Sampa Otomotiv

Project Name: ISO 50001 Consultancy
Location: Samsun
Sector: Automotive Components
Project Year: 2023



11

Brisa Bridgestone

Project Name: Investment Grade Energy Audit
Location: Kocaeli
Sector: Automotive Components
Project Year: 2023



12

Başkurt Motor

Project Name: Detailed Energy Audit
Location: Sakarya
Sector: Automotive Components
Project Year: 2023
Projected Savings: 72,94 TOE



13

İnci GS Yuasa

Project Name: Detailed Energy Audit
Location: Manisa
Sector: Automotive Components
Project Year: 2023
Projected Savings: 129,41 TOE



14

Başkurt Motor

Project Name: ISO 50001 Consultancy
Location: Sakarya
Sector: Automotive Components
Project Year: 2023



15

Beyçelik Gestamp

Project Name: Detailed Energy Audit
Location: Bursa
Sector: Automotive Components
Project Year: 2023
Projected Savings: 111,4 TOE



16

Oyak Renault

Project Name: Investment Grade Energy Audit
Location: Bursa
Sector: Automotive
Project Year: 2022
Projected Savings: 2.910,46 TOE



17

Ford Otosan

Project Name: Investment Grade Energy Audit
Location: Kocaeli
Sector: Automotive
Project Year: 2022
Projected Savings: 3.711 TOE



18

Karsan Otomotiv

Project Name: Detailed Energy Audit
Location: Bursa OSB, Bursa
Sector: Automotive
Project Year: 2022
Projected Savings: 343,8 TOE



19

Man Türkiye

Project Name: Investment Grade Energy Audit
Location: Ankara
Sector: Automotive
Project Year: 2022
Projected Savings: 460,75 TOE



20

Man Türkiye

Project Name: Detailed Energy Audit
Location: Ankara
Sector: Automotive
Project Year: 2022
Projected Savings: 204,5 TOE



21

Canel Otomotiv

Project Name: Detailed Energy Audit
Location: Bursa
Sector: Automotive Components
Project Year: 2022
Projected Savings: 6,1 TOE



22

Canel Otomotiv

Project Name: Detailed Energy Audit
Location: Bursa
Sector: Automotive Components
Project Year: 2022
Projected Savings: 401,1 TOE



23

Mercedes-Benz Türkiye

Project Name: Investment Grade Energy Audit
Location: Aksaray
Sector: Automotive
Project Year: 2022
Projected Savings: 188,77 TOE



Mercedes-Benz

24

Mercedes-Benz Türkiye

Project Name: Investment Grade Energy Audit
Location: İstanbul
Sector: Automotive
Project Year: 2022
Projected Savings: 113,60 TOE



Mercedes-Benz

25

Yalçın Akü

Project Name: Detailed Energy Audit
Location: Ankara
Sector: Automotive Components
Project Year: 2022
Projected Savings: 5,40 TOE



26

Selsa Otomotiv

Project Name: Detailed Energy Audit
Location: Bursa
Sector: Automotive Components
Project Year: 2022
Projected Savings: 33,2 TOE

SELSA

27

GKN Automotive

Project Name: Detailed Energy Audit
Location: Eskişehir
Sector: Automotive Components
Project Year: 2021
Projected Savings: 56,29 TOE



28

Türk Traktör

Project Name: Detailed Energy Audit
Location: Sakarya
Sector: Automotive
Project Year: 2021
Projected Savings: 412,40 TOE

TürkTraktör

29

Bosch Rexroth

Project Name: Detailed Energy Audit
Location: Bursa
Sector: Automotive Components
Project Year: 2021
Projected Savings: 201,90 TOE

**BOSCH**

30

Ford Otosan

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Automotive
 Project Year: 2021
 Projected Savings: 2.650,50 TOE

FORD OTOSAN**31****Ford Otosan**

Project Name: Detailed Energy Audit
 Location: Eskişehir
 Sector: Automotive
 Project Year: 2021
 Projected Savings: 375,00 TOE

FORD OTOSAN**32****Valeo Türkiye**

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Automotive Components
 Project Year: 2020
 Projected Savings: 76,00 TOE

Valeo**33****Kale Pratt & Whitney**

Project Name: Detailed Energy Audit
 Location: İzmir
 Sector: Aerospace & Defense
 Project Year: 2020
 Projected Savings: 131,50 TOE

Kale Pratt & Whitney**34****Tirsan Kardan**

Project Name: Detailed Energy Audit
 Location: Manisa
 Sector: Automotive Components
 Project Year: 2020
 Projected Savings: 155,90 TOE

TİRSAN**35****Tirsan Kardan**

Project Name: Detailed Energy Audit
 Location: Manisa
 Sector: Automotive Components
 Project Year: 2020
 Projected Savings: 120,30 TOE

TİRSAN**36**

Trelleborg

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Automotive Components
 Project Year: 2019
 Projected Savings: 248,13 TOE



37

Tofaş

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Automotive
 Project Year: 2018
 Projected Savings: 5.443,17 TOE



38

Farba

Project Name: Investment Grade Energy Audit
 Location: Kocaeli
 Sector: Automotive Components
 Project Year: 2017
 Projected Savings: 49,36 TOE



39

Ford Otosan

Project Name: Investment Grade Energy Audit
 Location: Eskişehir
 Sector: Automotive
 Project Year: 2017
 Projected Savings: 38,50 TOE



40

Karsan Otomotiv

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Automotive
 Project Year: 2017
 Projected Savings: 100,89 TOE



41

Türk Traktör

Project Name: Detailed Energy Audit
 Location: Sakarya
 Sector: Automotive
 Project Year: 2017
 Projected Savings: 412,4 TOE



42

Mutlu Akü

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Automotive Components
 Project Year: 2017
 Projected Savings: 61,4 TOE

MUTLU
AKÜ

43

Goodyear

Project Name: Detailed Energy Audit
 Location: Sakarya
 Sector: Automotive Components
 Project Year: 2016
 Projected Savings: 1.295,10 TOE

GOODYEAR

44

Goodyear

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Automotive Components
 Project Year: 2016
 Projected Savings: 718,30 TOE

GOODYEAR

45

Tofaş

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Automotive
 Project Year: 2015
 Projected Savings: 20,37 TOE

TOFAŞ
TÜRK OTOMOBİL FABRİKASI A.Ş.

46

Tofaş

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Automotive
 Project Year: 2015
 Projected Savings: 63,35 TOE

TOFAŞ
TÜRK OTOMOBİL FABRİKASI A.Ş.

47

Ford Otosan

Project Name: Investment Grade Energy Audit
 Location: Eskişehir
 Sector: Automotive
 Project Year: 2015
 Projected Savings: 17,68 TOE

FORD OTOSAN

48

Ford Otosan

Project Name: Investment Grade Energy Audit
 Location: Eskişehir
 Sector: Automotive
 Project Year: 2015
 Projected Savings: 7,90 TOE

FORD OTOSAN

49

Ford Otosan

Project Name: Investment Grade Energy Audit
 Location: Kocaeli
 Sector: Automotive
 Project Year: 2015
 Projected Savings: 516,63 TOE

FORD OTOSAN

50

Trelleborg

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Automotive Components
 Project Year: 2015
 Projected Savings: 152,33 TOE


TRELLEBORG

51

Mutlu Akü

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Automotive Components
 Project Year: 2015
 Projected Savings: 1.169,20 TOE


**MUTLU
AKÜ**

52

Bosch Rexroth

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Automotive Components
 Project Year: 2015

 **BOSCH**

53

Ford Otosan

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Automotive
 Project Year: 2015

FORD OTOSAN

54

Ford Otosan

Project Name: Detailed Energy Audit
 Location: Eskişehir
 Sector: Automotive
 Project Year: 2015

FORD OTOSAN**55****Ford Otosan**

Project Name: Investment Grade Energy Audit
 Location: Kocaeli
 Sector: Automotive
 Project Year: 2014-2015
 Projected Savings: 696,97 TOE

FORD OTOSAN**56****Elatek Kauçuk**

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Automotive Components
 Project Year: 2014

ELATEK**57****Ford Otosan**

Project Name: Investment Grade Energy Audit
 Location: Kocaeli
 Sector: Automotive
 Project Year: 2014
 Projected Savings: 376,10 TOE

FORD OTOSAN**58****Ford Otosan**

Project Name: Investment Grade Energy Audit
 Location: Kocaeli
 Sector: Automotive
 Project Year: 2014
 Projected Savings: 1.627,88 TOE

FORD OTOSAN**59****Ford Otosan**

Project Name: Investment Grade Energy Audit
 Location: Kocaeli
 Sector: Automotive
 Project Year: 2014
 Projected Savings: 21,73 TOE

FORD OTOSAN**60**

Tofaş

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Automotive
 Project Year: 2014
 Projected Savings: 16,00 TOE



61

Valeo Türkiye

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Automotive Components
 Project Year: 2014



62

Tofaş

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Automotive
 Project Year: 2013
 Projected Savings: 49,87 TOE



63

Tofaş

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Automotive
 Project Year: 2013
 Projected Savings: 358,76 TOE



64

Canel Otomotiv

Project Name: ISO 50001 Consultancy
 Location: Bursa
 Sector: Automotive Components
 Project Year: 2013



65

Grammer

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Automotive Components
 Project Year: 2011



66

CHEMICAL & PETROCHEMICAL



SUSTAINABLE ENERGY EFFICIENCY

Akdeniz Chemson

Project Name: Investment Grade Energy Audit
Location: İzmir
Sector: Chemicals
Project Year: 2024
Projected Savings: 38,97 TOE



01

CFN Kimya

Project Name: Compressed Air Energy Audit
Location: Kocaeli
Sector: Chemical & Petrochemical
Project Year: 2024
Projected Savings: 33,25 TOE



02

Eczacıbaşı Tüketim Ürünleri

Project Name: Investment Grade Energy Audit
Location: Manisa
Sector: FMCG & Consumer Goods
Project Year: 2024
Projected Savings: 105,8 TOE



03

Eczacıbaşı Tüketim Ürünleri

Project Name: Preliminary Energy Audit
Location: Kocaeli
Sector: FMCG & Consumer Goods
Project Year: 2024
Projected Savings: 99,99 TOE



04

Eczacıbaşı Tüketim Ürünleri

Project Name: Preliminary Energy Audit
Location: Manisa
Sector: FMCG & Consumer Goods
Project Year: 2024
Projected Savings: 257,19 TOE



05

Eczacıbaşı Tüketim Ürünleri

Project Name: Detailed Energy Audit
Location: Yalova
Sector: FMCG & Consumer Goods
Project Year: 2024
Projected Savings: 831,1 TOE



06

3M Türkiye

Project Name: Investment Grade Energy Audit
Location: Tekirdağ
Sector: Chemicals & Industrial Products
Project Year: 2023
Projected Savings: 123,50 TOE



07

3M Türkiye

Project Name: Investment Grade Energy Audit
Location: Tekirdağ
Sector: Chemicals & Industrial Products
Project Year: 2023
Projected Savings: 113,2 TOE



08

SASA Polyester (Adana Sanayi Odası Eğitim ve Danışmanlık)

Project Name: Detailed Energy Audit
Location: Adana
Sector: Petrochemicals
Project Year: 2023
Projected Savings: 694,94 TOE



09

Egegaz Aliğa LNG Terminali

Project Name: Detailed Energy Audit
Location: İzmir
Sector: Oil & Gas
Project Year: 2023
Projected Savings: 22,6 TOE



10

Akdeniz Chemson

Project Name: ISO 50001 Consultancy
Location: İzmir
Sector: Chemicals
Project Year: 2022



11

Evyap

Project Name: Investment Grade Energy Audit
Location: İstanbul
Sector: Chemicals
Project Year: 2022
Projected Savings: 14,2 TOE



12

Akdeniz Chemson

Project Name: Detailed Energy Audit
Location: İzmir
Sector: Chemicals
Project Year: 2022
Projected Savings: 438,5 TOE



13

Evyap

Project Name: Detailed Energy Audit
Location: İstanbul
Sector: Chemicals
Project Year: 2022
Projected Savings: 1.169,8 TOE



14

Frimpeks

Project Name: Detailed Energy Audit
Location: İstanbul
Sector: Chemicals
Project Year: 2022
Projected Savings: 162 TOE



15

Kemiteks

Project Name: Detailed Energy Audit
Location: İstanbul
Sector: Chemicals
Project Year: 2022
Projected Savings: 169,87 TOE



16

Ulkar

Project Name: Detailed Energy Audit
Location: Tekirdağ
Sector: Chemicals
Project Year: 2022
Projected Savings: 292,5 TOE



17

Pakten

Project Name: Detailed Energy Audit
Location: Gaziantep
Sector: Consumer Goods
Project Year: 2022
Projected Savings: 45,4 TOE



18

Toros Tarım

Project Name: Investment Consultancy
 Location: Adana
 Sector: Fertilizer
 Project Year: 2021
 Projected Savings: 23,52 TOE

**TOROS TARIM****19****Kimteks Poliüretan**

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Chemicals
 Project Year: 2021
 Projected Savings: 221,20 TOE

**20****Evyap**

Project Name: Investment Grade Energy Audit
 Location: İstanbul
 Sector: Chemicals
 Project Year: 2021
 Projected Savings: 58,19 TOE

**21****Henkel**

Project Name: Detailed Energy Audit
 Location: Ankara
 Sector: Consumer Goods & Chemicals
 Project Year: 2017
 Projected Savings: 387,20 TOE

**22****Şişecam Soda Sanayi**

Project Name: Detailed Energy Audit
 Location: Mersin
 Sector: Chemicals
 Project Year: 2016
 Projected Savings: 14.994,00 TOE

**23****Aksa Akrilik Kimya**

Project Name: Detailed Energy Audit
 Location: Yalova
 Sector: Chemicals
 Project Year: 2015
 Projected Savings: 1.225,50 TOE

**24**

Ege Endüstri

Project Name: Detailed Energy Audit
 Location: İzmir
 Sector: Chemicals
 Project Year: 2015
 Projected Savings: 622,41 TOE

Ege Endüstri
 Ege Endüstri ve Ticaret A.Ş.

25

Alfa Kimya

Project Name: Sustainable Energy Management Consultancy
 Location: İstanbul
 Sector: Petrochemicals
 Project Year: 2015



26

Eaton

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Chemical & Petrochemical
 Project Year: 2015
 Projected Savings: 1.621,0 TOE



27

DowAksa

Project Name: Detailed Energy Audit
 Location: Yalova
 Sector: Chemicals
 Project Year: 2014
 Projected Savings: 664,90 TOE



28

Exxon Mobil

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Petrochemicals
 Project Year: 2013



29

Polisan

Project Name: Consultancy
 Location: Kocaeli
 Sector: Chemicals
 Project Year: 2013



30

Exxon Mobil

Project Name: Sustainable Energy Management Consultancy
Location: İstanbul
Sector: Petrochemicals
Project Year: 2012



31

Polisan

Project Name: Consultancy
Location: Kocaeli
Sector: Chemicals
Project Year: 2012



32

Exxon Mobil

Project Name: Energy Audit / M&V
Location: İstanbul
Sector: Petrochemicals
Project Year: 2011



33

Polisan

Project Name: Consultancy
Location: Kocaeli
Sector: Chemicals
Project Year: 2011



34

Polisan

Project Name: Consultancy
Location: Kocaeli
Sector: Chemicals
Project Year: 2010



35

Polisan

Project Name: Consultancy
Location: Kocaeli
Sector: Chemicals
Project Year: 2009



36

Körfez Kimya

Project Name: Consultancy
 Location: İstanbul
 Sector: Chemicals
 Project Year: 2008



37

Polisan

Project Name: Consultancy
 Location: Kocaeli
 Sector: Chemicals
 Project Year: 2008



38

Shell

Project Name: Sustainable Energy Management Consultancy
 Location: Kocaeli
 Sector: Petrochemicals
 Project Year: 2008



39

Polisan

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Chemicals
 Project Year: 2007



40

Polisan

Project Name: Consultancy
 Location: Kocaeli
 Sector: Chemicals
 Project Year: 2007



41

Aksa Akrilik Kimya

Project Name: Consultancy
 Location: Yalova
 Sector: Chemicals
 Project Year: 2007



42

Körfez Kimya

Project Name: Consultancy
Location: İstanbul
Sector: Chemicals
Project Year: 2006

 **Körfez Kimya****43****Opet**

Project Name: Boiler House Investment Consultancy
Location: Kırklareli
Sector: Petrochemicals
Project Year: 2005

**44**

COMMERCIAL & PUBLIC BUILDINGS



SUSTAINABLE ENERGY EFFICIENCY

A Plus Hastanesi

Project Name: Detailed Energy Audit
Location: Kocaeli
Sector: Commercial Buildings
Project Year: 2025
Projected Savings: 67,8 TOE

A+ PLUS HASTANESİ
"Sağlıklı ve Enerji Verimli"

01

Ceylan Karavil Shopping Mall

Project Name: Investment Grade Energy Audit
Location: İstanbul
Sector: Commercial Buildings
Project Year: 2024
Projected Savings: 81,44 TOE



02

Kanyon Shopping Mall

Project Name: Investment Grade Energy Audit
Location: İstanbul
Sector: Commercial Buildings
Project Year: 2024
Projected Savings: 328,59 TOE



03

Memorial Hospital

Project Name: Detailed Energy Audit
Location: Ankara
Sector: Commercial Buildings
Project Year: 2024
Projected Savings: 16,80 TOE

MEMORIAL

04

Memorial Hospital

Project Name: Detailed Energy Audit
Location: Antalya
Sector: Commercial Buildings
Project Year: 2024
Projected Savings: 115,30 TOE

MEMORIAL

05

Memorial Hospital

Project Name: Detailed Energy Audit
Location: Diyarbakır
Sector: Commercial Buildings
Project Year: 2024
Projected Savings: 83,00 TOE

MEMORIAL

06

Memorial Hospital

Project Name: Detailed Energy Audit
Location: Bahçelievler, İstanbul
Sector: Commercial Buildings
Project Year: 2024
Projected Savings: 133,07 TOE

MEMORIAL**07****Memorial Hospital**

Project Name: Detailed Energy Audit
Location: Şişli, İstanbul
Sector: Commercial Buildings
Project Year: 2024
Projected Savings: 83,25 TOE

MEMORIAL**08****Medical Park Hospital**

Project Name: Investment Grade Energy Audit
Location: İstanbul
Sector: Commercial Buildings
Project Year: 2024
Projected Savings: 103,13 TOE

MEDICALPARK**09****Hilton İstanbul Bomonti Hotel**

Project Name: Investment Grade Energy Audit
Location: İstanbul
Sector: Commercial Buildings
Project Year: 2023
Projected Savings: 655,55 TOE

Hilton.**10****Memorial Hospital**

Project Name: Investment Grade Energy Audit
Location: Ankara
Sector: Commercial Buildings
Project Year: 2023
Projected Savings: 55,53 TOE

MEMORIAL**11****Memorial Hospital**

Project Name: Investment Grade Energy Audit
Location: Antalya
Sector: Commercial Buildings
Project Year: 2023
Projected Savings: 51,45 TOE

MEMORIAL**12**

Memorial Hospital

Project Name: Investment Grade Energy Audit
 Location: Diyarbakır
 Sector: Commercial Buildings
 Project Year: 2023
 Projected Savings: 62,97 TOE

MEMORIAL**13****Memorial Hospital**

Project Name: Investment Grade Energy Audit
 Location: Bahçelievler, İstanbul
 Sector: Commercial Buildings
 Project Year: 2023
 Projected Savings: 45,48 TOE

MEMORIAL**14****Memorial Hospital**

Project Name: Investment Grade Energy Audit
 Location: Şişli, İstanbul
 Sector: Commercial Buildings
 Project Year: 2023
 Projected Savings: 46,35 TOE

MEMORIAL**15****Ağaoğlu My City**

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Commercial Buildings
 Project Year: 2022
 Projected Savings: 121,17 TOE

Ağaoğlu
 Yönetim Hizmetleri A.Ş.

16**Memorial Hospital**

Project Name: Investment Grade Energy Audit
 Location: Şişli, İstanbul
 Sector: Commercial Buildings
 Project Year: 2022
 Projected Savings: 48,10 TOE

MEMORIAL**17****Memorial Hospital**

Project Name: Investment Grade Energy Audit
 Location: Bahçelievler, İstanbul
 Sector: Commercial Buildings
 Project Year: 2022
 Projected Savings: 65,43 TOE

MEMORIAL**18**

Memorial Hospital

Project Name: Investment Grade Energy Audit
 Location: Ataşehir, İstanbul
 Sector: Commercial Buildings
 Project Year: 2022

MEMORIAL

19

Malatya Metropolitan Municipality

Project Name: Detailed Energy Audit
 Location: Malatya
 Sector: Public Buildings
 Project Year: 2022
 Projected Savings: 8,44 TOE



20

Renaissance Polat İstanbul Hotel

Project Name: Detailed Energy Audit
 Location: Balmumcu, İstanbul
 Sector: Commercial Buildings
 Project Year: 2021
 Projected Savings: 29,60 TOE



21

Renaissance Polat İstanbul Hotel

Project Name: Detailed Energy Audit
 Location: Yeşilköy, İstanbul
 Sector: Commercial Buildings
 Project Year: 2021
 Projected Savings: 21,10 TOE



22

Medical Park Hospital

Project Name: Detailed Energy Audit
 Location: Gaziantep
 Sector: Commercial Buildings
 Project Year: 2020
 Projected Savings: 81,60 TOE

MEDICALPARK

23

BOTAŞ

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Public Buildings
 Project Year: 2020
 Projected Savings: 105,20 TOE



24

Bağcılar Training and Research Hospital

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Public Buildings
 Project Year: 2019
 Projected Savings: 640,22 TOE



25

Başakşehir State Hospital

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Public Buildings
 Project Year: 2019
 Projected Savings: 209,29 TOE



26

Bursa Anatolian Girls' High School

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Public Buildings
 Project Year: 2019
 Projected Savings: 60,51 TOE



27

Bursa Atatürk Vocational And Technical Anatolian High School

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Public Buildings
 Project Year: 2019
 Projected Savings: 85,39 TOE



28

Bursa Şevket Yılmaz Training and Research Hospital

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Public Buildings
 Project Year: 2019
 Projected Savings: 444,68 TOE



29

Esenyurt State Hospital

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Public Buildings
 Project Year: 2019
 Projected Savings: 161,00 TOE



30

Karabük University – Iron and Steel Institute

Project Name: Detailed Energy Audit
 Location: Karabük
 Sector: Public Buildings
 Project Year: 2019
 Projected Savings: 312,76 TOE



31

Marmara University Pendik Training Research Hospital

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Public Buildings
 Project Year: 2019
 Projected Savings: 588,00 TOE



32

Ministry of Food, Agriculture And Livestock – Main Service Building

Project Name: Detailed Energy Audit
 Location: Ankara
 Sector: Public Buildings
 Project Year: 2019
 Projected Savings: 243,17 TOE



33

Ortaköy 80. Yıl Vocational And Technical Anatolian High School

Project Name: Detailed Energy Audit
 Location: Ankara
 Sector: Public Buildings
 Project Year: 2019
 Projected Savings: 39,29 TOE



34

Silivri State Hospital

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Public Buildings
 Project Year: 2019
 Projected Savings: 125,46 TOE



35

Farabi Hospital

Project Name: Investment Grade Energy Audit
 Location: Konya
 Sector: Commercial Buildings
 Project Year: 2017



36

Kent Plaza Shopping Mall

Project Name: Investment Grade Energy Audit
 Location: Konya
 Sector: Commercial Buildings
 Project Year: 2017
 Projected Savings: 65,8 TOE



37

Ceylan Karavil Shopping Mall

Project Name: Investment Grade Energy Audit
 Location: Diyarbakır
 Sector: Commercial Buildings
 Project Year: 2017



38

Toprak Sulama Birliği

Project Name: Investment Grade Energy Audit
 Location: Konya
 Sector: Public Buildings
 Project Year: 2017



39

Profilo Shopping Mall

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Commercial Buildings
 Project Year: 2013
 Projected Savings: 352,50 TOE



40

Bayındır Hospital

Project Name: Investment Grade Energy Audit
 Location: Ankara
 Sector: Commercial Buildings
 Project Year: 2013



41

Orient Palace Hotel

Project Name: Consultancy
 Location: Muğla
 Sector: Commercial Buildings
 Project Year: 2007



42

Radisson Sas Hotel

Project Name: Consultancy
 Location: İstanbul
 Sector: Commercial Buildings
 Project Year: 2007



43

CONSTRUCTION MATERIALS



SUSTAINABLE ENERGY EFFICIENCY

ODE Yalıtım

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Insulation
 Project Year: 2024
 Projected Savings: 98,4 TOE



01

Kale Blok

Project Name: Detailed Energy Audit
 Location: Erzurum
 Sector: Construction Materials
 Project Year: 2023
 Projected Savings: 8,11 TOE



02

Eryap Group

Project Name: Investment Grade Energy Audit
 Location: Sakarya
 Sector: Construction Materials
 Project Year: 2022
 Projected Savings: 26,64 TOE



03

EAE Group

Project Name: Investment Grade Energy Audit
 Location: Kocaeli
 Sector: Construction Materials
 Project Year: 2022
 Projected Savings: 219,2 TOE



04

EAE Group

Project Name: Investment Grade Energy Audit
 Location: Kocaeli
 Sector: Construction Materials
 Project Year: 2022
 Projected Savings: 276,6 TOE



05

Eryap Group

Project Name: Detailed Energy Audit
 Location: Sakarya
 Sector: Construction Materials
 Project Year: 2022
 Projected Savings: 969,93 TOE



06

ODE Yalıtım

Project Name: Compressed Air System Consultancy
 Location: Tekirdağ
 Sector: Insulation
 Project Year: 2022
 Projected Savings: 54,9 TOE



07

Eryap Group

Project Name: Investment Grade Energy Audit
 Location: Sakarya
 Sector: Construction Materials
 Project Year: 2021
 Projected Savings: 26,64 TOE



08

Eryap Group

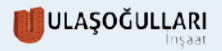
Project Name: ISO 50001 Consultancy
 Location: Sakarya
 Sector: Construction Materials
 Project Year: 2021



09

Ulaşoğulları

Project Name: Preliminary Energy Audit
 Location: Bingöl
 Sector: Construction Materials
 Project Year: 2021
 Projected Savings: 34,46 TOE



10

Megaboard

Project Name: Preliminary Energy Audit
 Location: Elazığ
 Sector: Insulation
 Project Year: 2021
 Projected Savings: 455,41 TOE



11

Şişecam

Project Name: Detailed Energy Audit
 Location: Yenişehir
 Sector: Glass
 Project Year: 2019-2020
 Projected Savings: 435,80 TOE



12

Şişecam

Project Name: Detailed Energy Audit
Location: Eskişehir
Sector: Glass
Project Year: 2019-2020
Projected Savings: 439,71 TOE



13

Şişecam

Project Name: Detailed Energy Audit
Location: Mersin
Sector: Glass
Project Year: 2019-2020
Projected Savings: 1.669,90 TOE



14

Şişecam

Project Name: Detailed Energy Audit
Location: Denizli
Sector: Glass
Project Year: 2019-2020
Projected Savings: 66,78 TOE



15

Şişecam

Project Name: Detailed Energy Audit
Location: Tuzla, İstanbul
Sector: Glass
Project Year: 2019-2020
Projected Savings: 10,00 TOE



16

Şişecam

Project Name: Detailed Energy Audit
Location: Kocaeli
Sector: Glass
Project Year: 2019-2020
Projected Savings: 492,98 TOE



17

Şişecam

Project Name: Detailed Energy Audit
Location: Bilecik
Sector: Glass
Project Year: 2019-2020
Projected Savings: 111,50 TOE



18

Şişecam

Project Name: Detailed Energy Audit
 Location: Eskişehir
 Sector: Glass
 Project Year: 2019-2020
 Projected Savings: 231,50 TOE



19

Şişecam

Project Name: Detailed Energy Audit
 Location: Kırklareli
 Sector: Glass
 Project Year: 2019-2020
 Projected Savings: 337,00 TOE



20

Şişecam

Project Name: Detailed Energy Audit
 Location: Mersin
 Sector: Glass
 Project Year: 2019-2020
 Projected Savings: 1.446,5 TOE



21

Şişecam

Project Name: Detailed Energy Audit
 Location: Lüleburgaz, Kırklareli
 Sector: Glass
 Project Year: 2019-2020
 Projected Savings: 258,7 TOE



22

Şişecam

Project Name: Detailed Energy Audit
 Location: Kırklareli
 Sector: Glass
 Project Year: 2019-2020
 Projected Savings: 536,87 TOE



23

Şişecam

Project Name: Detailed Energy Audit
 Location: Mersin
 Sector: Glass
 Project Year: 2019-2020
 Projected Savings: 355,65 TOE



24

Şişecam

Project Name: Detailed Energy Audit
 Location: Yenişehir
 Sector: Glass
 Project Year: 2019-2020
 Projected Savings: 1.033,48 TOE



25

Şişecam

Project Name: Detailed Energy Audit
 Location: Polatlı, Ankara
 Sector: Glass
 Project Year: 2019-2020
 Projected Savings: 1.497,3 TOE



26

ABB Elektrik

Project Name: Energy Audit / M&V
 Location: İstanbul
 Sector: Electrical & Industrial Automation
 Project Year: 2019



27

ODE Yalıtım

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Insulation
 Project Year: 2019
 Projected Savings: 347,50 TOE



28

Çukurova Yalıtım

Project Name: Detailed Energy Audit
 Location: Sakarya
 Sector: Construction Materials
 Project Year: 2017
 Projected Savings: 101,72 TOE



29

Nur-İş PVC

Project Name: Detailed Energy Audit
 Location: Adana
 Sector: Construction Materials
 Project Year: 2016
 Projected Savings: 135,70 TOE



30

Orma

Project Name: Detailed Energy Audit
 Location: Isparta
 Sector: Wood & Furniture
 Project Year: 2016
 Projected Savings: 723,20 TOE



31

Remar İnşaat

Project Name: Detailed Energy Audit
 Location: Konya
 Sector: Construction Materials
 Project Year: 2016



32

ABB Elektrik

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Electrical & Industrial Automation
 Project Year: 2015
 Projected Savings: 1.297,16 TOE



33

Redboard

Project Name: Detailed Energy Audit
 Location: Elazığ
 Sector: Construction Materials
 Project Year: 2014



34

ODE Yalıtım

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Insulation
 Project Year: 2013
 Projected Savings: 1.131,78 TOE



35

ODE Yalıtım

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Insulation
 Project Year: 2009



36

Atermit

Project Name: Consultancy
Location: Kocaeli
Sector: Construction Materials
Project Year: 2009



37

FOOD & BEVERAGE



Lesaffre

Project Name: Detailed Energy Audit
Location: Kırklareli
Sector: Food
Project Year: 2025
Projected Savings: 1.119,54 TOE



01

Pak Gıda

Project Name: Detailed Energy Audit
Location: İzmir
Sector: Food
Project Year: 2025
Projected Savings: 1.991,00 TOE



02

Coca Cola İçecek

Project Name: Detailed Energy Audit
Location: Sakarya
Sector: Beverage
Project Year: 2025
Projected Savings: 55,7 TOE



03

Coca Cola İçecek

Project Name: Detailed Energy Audit
Location: Elazığ
Sector: Beverage
Project Year: 2025
Projected Savings: 405,00 TOE



04

Abaloğlu Yağ

Project Name: Detailed Energy Audit
Location: Mersin
Sector: Food
Project Year: 2025
Projected Savings: 442,07 TOE



05

Coca Cola İçecek

Project Name: Detailed Energy Audit
Location: Muğla
Sector: Beverage
Project Year: 2025
Projected Savings: 19,00 TOE



06

Coca Cola İçecek

Project Name: Detailed Energy Audit
Location: Mersin
Sector: Beverage
Project Year: 2025
Projected Savings: 280,9 TOE



07

Mauri Maya

Project Name: Investment Incentive Consultancy for the 5th Region
Location: Balıkesir
Sector: Food
Project Year: 2025
Projected Savings: 161,63 TOE



08

IFFCO Türkiye

Project Name: Investment Grade Energy Audit
Location: İzmir
Sector: Food
Project Year: 2024
Projected Savings: 728,26 TOE



09

Lesaffre

Project Name: Detailed Energy Audit
Location: Amasya
Sector: Food
Project Year: 2024
Projected Savings: 805,22 TOE



10

Mauri Maya

Project Name: Investment Incentive Consultancy for the 5th Region
Location: Balıkesir
Sector: Food
Project Year: 2024
Projected Savings: 161,7 TOE



11

Mauri Maya

Project Name: Green Transition Consultancy
Location: Balıkesir
Sector: Food
Project Year: 2024
Projected Savings: 189,8 TOE



12

Aves Yağ

Project Name: Investment Grade Energy Audit
Location: İstanbul
Sector: Food
Project Year: 2024
Projected Savings: 113,11 TOE

aves

13

Unilever

Project Name: Investment Grade Energy Audit
Location: Konya
Sector: Food
Project Year: 2024
Projected Savings: 433,91 TOE


Unilever

14

Kervan Gıda

Project Name: Energy Consultancy
Location: Manisa
Sector: Food
Project Year: 2023
Projected Savings: 686,7 TOE



15

Bakraç Süt

Project Name: Detailed Energy Audit
Location: Amasya
Sector: Dairy
Project Year: 2023
Projected Savings: 105,03 TOE



16

Eti Gıda

Project Name: Detailed Energy Audit
Location: Eskişehir
Sector: Food
Project Year: 2023
Projected Savings: 386,46 TOE



17

Tayaş Gıda

Project Name: Detailed Energy Audit
Location: Kocaeli
Sector: Food
Project Year: 2023
Projected Savings: 636,00 TOE



18

Nestle

Project Name: Investment Grade Energy Audit
Location: Bursa
Sector: Food
Project Year: 2023
Projected Savings: 419 TOE



19

Unilever

Project Name: Detailed Energy Audit
Location: Konya
Sector: Food
Project Year: 2023
Projected Savings: 328,17 TOE



20

Coca Cola İçecek

Project Name: Detailed Energy Audit
Location: Isparta
Sector: Beverage
Project Year: 2022
Projected Savings: 263,1 TOE



21

Coca Cola İçecek

Project Name: Detailed Energy Audit
Location: İzmir
Sector: Beverage
Project Year: 2022
Projected Savings: 452,7 TOE



22

Döhler Gıda

Project Name: Detailed Energy Audit
Location: İzmir
Sector: Food & Beverage
Project Year: 2022
Projected Savings: 825 TOE



23

Döhler Gıda

Project Name: Detailed Energy Audit
Location: Balıkesir
Sector: Food & Beverage
Project Year: 2022
Projected Savings: 98,5 TOE



24

Döhler Gıda

Project Name: Detailed Energy Audit
Location: Denizli
Sector: Food & Beverage
Project Year: 2022
Projected Savings: 96,7 TOE



25

Döhler Gıda

Project Name: Detailed Energy Audit
Location: Karaman
Sector: Food & Beverage
Project Year: 2022
Projected Savings: 1.787,27 TOE



26

Dimes Gıda

Project Name: Detailed Energy Audit
Location: Tokat
Sector: Beverage & Dairy
Project Year: 2022
Projected Savings: 206,6 TOE



27

Dimes Gıda

Project Name: Detailed Energy Audit
Location: İzmir
Sector: Beverage & Dairy
Project Year: 2022
Projected Savings: 266,95 TOE



28

Eti Gıda

Project Name: Detailed Energy Audit
Location: Konya
Sector: Food
Project Year: 2022
Projected Savings: 122,6 TOE



29

Gönenli Süt

Project Name: Detailed Energy Audit
Location: Balıkesir
Sector: Dairy
Project Year: 2022
Projected Savings: 96,86 TOE



30

Pepsico

Project Name: Detailed Energy Audit
 Location: İzmir
 Sector: Beverage
 Project Year: 2022
 Projected Savings: 322,58 TOE



31

Pepsico

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Beverage
 Project Year: 2022
 Projected Savings: 63,0 TOE



32

Pepsico

Project Name: Detailed Energy Audit
 Location: Adana
 Sector: Beverage
 Project Year: 2022
 Projected Savings: 390,57 TOE



33

Tat Gıda

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Food
 Project Year: 2022
 Projected Savings: 255 TOE



34

Dimes Gıda

Project Name: Investment Grade Energy Audit
 Location: İzmir
 Sector: Beverage & Dairy
 Project Year: 2022
 Projected Savings: 47,64 TOE



35

Sütaş

Project Name: Condenser Replacement Project
 Location: Bursa
 Sector: Dairy
 Project Year: 2022
 Projected Savings: 40,81 TOE



36

Dimes Gıda

Project Name: ISO 50001 Consultancy
 Location: İzmir
 Sector: Beverage & Dairy
 Project Year: 2022



37

Pepsico

Project Name: ISO 50001 Consultancy
 Location: İzmir
 Sector: Beverage
 Project Year: 2022



38

Pepsico

Project Name: ISO 50001 Consultancy
 Location: Tekirdağ
 Sector: Beverage
 Project Year: 2022



39

Coca Cola İçecek

Project Name: Detailed Energy Audit
 Location: Elazığ
 Sector: Beverage
 Project Year: 2021
 Projected Savings: 167,20 TOE



40

Arılar Gıda

Project Name: Preliminary Energy Audit
 Location: Malatya
 Sector: Food
 Project Year: 2021
 Projected Savings: 79,60 TOE



41

Barry Callebaut

Project Name: Detailed Energy Audit
 Location: Eskişehir
 Sector: Food
 Project Year: 2021
 Projected Savings: 171,83 TOE



42

Ekiciler Süt

Project Name: Detailed Energy Audit
 Location: Antalya
 Sector: Dairy
 Project Year: 2021
 Projected Savings: 276,65 TOE



43

Ekso Süt

Project Name: Detailed Energy Audit
 Location: Antalya
 Sector: Dairy
 Project Year: 2021
 Projected Savings: 457,60 TOE



44

Helal Group

Project Name: Preliminary Energy Audit
 Location: Malatya
 Sector: Food
 Project Year: 2021
 Projected Savings: 141,84 TOE



45

Pak Gıda

Project Name: Detailed Energy Audit
 Location: İzmir
 Sector: Food
 Project Year: 2021
 Projected Savings: 897,50 TOE



46

Lesaffre

Project Name: ISO 50001 Consultancy
 Location: Amasya
 Sector: Food
 Project Year: 2021



47

Lesaffre

Project Name: ISO 50001 Consultancy
 Location: Adana
 Sector: Food
 Project Year: 2021



48

Lesaffre

Project Name: ISO 50001 Consultancy
 Location: Kırklareli
 Sector: Food
 Project Year: 2021



49

Ak Gıda

Project Name: Investment Grade Energy Audit
 Location: İzmir
 Sector: Dairy
 Project Year: 2021
 Projected Savings: 112,42 TOE



50

Ülker

Project Name: Investment Grade Energy Audit
 Location: İstanbul
 Sector: Food
 Project Year: 2021
 Projected Savings: 255,27 TOE



51

Gönenli Süt

Project Name: ISO 50001 Consultancy
 Location: Balıkesir
 Sector: Dairy
 Project Year: 2021



52

Bakraç Süt

Project Name: ISO 50001 Consultancy
 Location: Amasya
 Sector: Dairy
 Project Year: 2020



53

Coca Cola İçecek

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Beverage
 Project Year: 2020
 Projected Savings: 291,40 TOE



54

Coca Cola İçecek

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Beverage
 Project Year: 2020
 Projected Savings: 714,30 TOE



55

Eti Gıda (Biscuit Factory)

Project Name: Detailed Energy Audit
 Location: Eskişehir
 Sector: Food
 Project Year: 2020
 Projected Savings: 788,60 TOE



56

Eti Gıda (Cake Factory)

Project Name: Detailed Energy Audit
 Location: Eskişehir
 Sector: Food
 Project Year: 2020
 Projected Savings: 937,60 TOE



57

Ak Gıda

Project Name: Investment Grade Energy Audit
 Location: Kırklareli
 Sector: Dairy
 Project Year: 2020
 Projected Savings: 135,54 TOE



58

Bakraç Süt

Project Name: Investment Grade Energy Audit
 Location: Amasya
 Sector: Dairy
 Project Year: 2020
 Projected Savings: 64,69 TOE



59

Sütaş

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Dairy
 Project Year: 2020
 Projected Savings: 78,19 TOE



60

Sütaş

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Dairy
 Project Year: 2020
 Projected Savings: 28,25 TOE



61

Ülker

Project Name: Consultancy for Energy Efficiency Incentive Program
 Location: İstanbul
 Sector: Food
 Project Year: 2020
 Projected Savings: 45,64 TOE



62

Sütaş

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Dairy
 Project Year: 2019
 Projected Savings: 574,00 TOE



63

Sütaş

Project Name: Detailed Energy Audit
 Location: Aksaray
 Sector: Dairy
 Project Year: 2019
 Projected Savings: 689,00 TOE



64

Sütaş

Project Name: Detailed Energy Audit
 Location: İzmir
 Sector: Dairy
 Project Year: 2019
 Projected Savings: 61,40 TOE



65

Ülker

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Food
 Project Year: 2019
 Projected Savings: 362,60 TOE



66

Ülker

Project Name: Detailed Energy Audit
Location: Karaman
Sector: Food
Project Year: 2019
Projected Savings: 696,70 TOE



67

Ülker

Project Name: Detailed Energy Audit
Location: Karaman
Sector: Food
Project Year: 2019
Projected Savings: 432,70 TOE



68

Ülker

Project Name: Detailed Energy Audit
Location: Ankara
Sector: Food
Project Year: 2019
Projected Savings: 454,50 TOE



69

Ülker

Project Name: Detailed Energy Audit
Location: Esenyurt, İstanbul
Sector: Food
Project Year: 2019
Projected Savings: 198,02 TOE



70

Ülker

Project Name: Detailed Energy Audit
Location: Zeytinburnu, İstanbul
Sector: Food
Project Year: 2019
Projected Savings: 489,20 TOE



71

Ülker

Project Name: Detailed Energy Audit
Location: Silivri, İstanbul
Sector: Food
Project Year: 2019
Projected Savings: 240,53 TOE



72

Ülker

Project Name: Detailed Energy Audit
Location: Zeytinburnu, İstanbul
Sector: Food
Project Year: 2019
Projected Savings: 315,58 TOE



73

Tarfaş

Project Name: Detailed Energy Audit
Location: Bursa
Sector: Agriculture
Project Year: 2019
Projected Savings: 574,00 TOE

TARFAŞ

74

Tarfaş

Project Name: Detailed Energy Audit
Location: Aksaray
Sector: Agriculture
Project Year: 2019
Projected Savings: 689,00 TOE

TARFAŞ

75

Tarfaş

Project Name: Detailed Energy Audit
Location: İzmir
Sector: Agriculture
Project Year: 2019
Projected Savings: 61,40 TOE

TARFAŞ

76

Gönenli Süt

Project Name: Detailed Energy Audit
Location: Balıkesir
Sector: Dairy
Project Year: 2018
Projected Savings: 2.737,0 TOE



77

Divan Pastaneleri

Project Name: Preliminary Energy Audit
Location: İstanbul
Sector: Food
Project Year: 2018
Projected Savings: 53,8 TOE



78

Cargill Türkiye

Project Name: Consultancy for Energy Efficiency Incentive Program
 Location: Bursa
 Sector: Food
 Project Year: 2018
 Projected Savings: 324,46 TOE



79

Ak Gıda

Project Name: Investment Grade Energy Audit
 Location: Karaman
 Sector: Dairy
 Project Year: 2017-2018



80

Döhler Gıda

Project Name: Detailed Energy Audit
 Location: Denizli
 Sector: Food & Beverage
 Project Year: 2018
 Projected Savings: 105,68 TOE



81

Döhler Gıda

Project Name: Detailed Energy Audit
 Location: Karaman
 Sector: Food & Beverage
 Project Year: 2018
 Projected Savings: 431,80 TOE



82

La Lorraine

Project Name: Detailed Energy Audit
 Location: Manisa
 Sector: Food
 Project Year: 2018
 Projected Savings: 164,50 TOE



83

Mutlu Makarna

Project Name: Detailed Energy Audit
 Location: Gaziantep
 Sector: Food
 Project Year: 2018
 Projected Savings: 703,27 TOE



84

Yörsan Gıda

Project Name: Detailed Energy Audit
 Location: Balıkesir
 Sector: Dairy
 Project Year: 2017



85

Aksa Tarım

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Agriculture
 Project Year: 2017
 Projected Savings: 16,04 TOE



86

Beypiliç

Project Name: Detailed Energy Audit
 Location: Bolu
 Sector: Food
 Project Year: 2017
 Projected Savings: 994,90 TOE



87

Pepsico

Project Name: Detailed Energy Audit
 Location: Adana
 Sector: Beverage
 Project Year: 2017
 Projected Savings: 109,87 TOE



88

Pınar Süt

Project Name: Detailed Energy Audit
 Location: Eskişehir
 Sector: Dairy
 Project Year: 2017
 Projected Savings: 571,50 TOE



89

Sek Süt

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Dairy
 Project Year: 2017



90

Saray Tarım

Project Name: Detailed Energy Audit
 Location: Kayseri
 Sector: Agriculture
 Project Year: 2017
 Projected Savings: 86,55 TOE



91

Cargill Türkiye

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Food
 Project Year: 2016-2017
 Projected Savings: 186,1 TOE



92

Cansa Tarım

Project Name: Detailed Energy Audit
 Location: Adana
 Sector: Agriculture
 Project Year: 2016
 Projected Savings: 3,91 TOE



93

Sütaş

Project Name: Investment Grade Energy Audit
 Location: İzmir
 Sector: Dairy
 Project Year: 2016



94

Adkotürk Gıda

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Food
 Project Year: 2016
 Projected Savings: 63,77 TOE



95

Cargill Turyağ

Project Name: Detailed Energy Audit
 Location: Balıkesir
 Sector: Food
 Project Year: 2016
 Projected Savings: 3.322,80 TOE



96

Dikmen Tarım

Project Name: Detailed Energy Audit
 Location: Bilecik
 Sector: Agriculture
 Project Year: 2016
 Projected Savings: 23,40 TOE



97

Obaşak Gıda

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Food
 Project Year: 2016
 Projected Savings: 11,90 TOE



98

Sam Yağcılık

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Food
 Project Year: 2016
 Projected Savings: 23,30 TOE



99

SaSu Su ve Tarım Ürünleri

Project Name: Detailed Energy Audit
 Location: Adana
 Sector: Food
 Project Year: 2016
 Projected Savings: 31,24 TOE



100

SelJel Jelatin

Project Name: Detailed Energy Audit
 Location: Balıkesir
 Sector: Food
 Project Year: 2016
 Projected Savings: 840,20 TOE



101

Cargill Türkiye

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Food
 Project Year: 2016
 Projected Savings: 355,51 TOE



102

Cargill Türkiye

Project Name: Investment Grade Energy Audit
Location: Bursa
Sector: Food
Project Year: 2016
Projected Savings: 522,66 TOE



103

Cargill Türkiye

Project Name: Investment Grade Energy Audit
Location: Balıkesir
Sector: Food
Project Year: 2016



104

Pakmil

Project Name: Detailed Energy Audit
Location: Adana
Sector: Food
Project Year: 2016



105

Burcu Gıda

Project Name: Consultancy for Energy Efficiency Incentive Program
Location: Balıkesir
Sector: Food
Project Year: 2015



106

Maybi

Project Name: Detailed Energy Audit
Location: Tekirdağ
Sector: Dairy
Project Year: 2015
Projected Savings: 952,52 TOE



107

Sütaş

Project Name: Detailed Energy Audit
Location: Aksaray
Sector: Dairy
Project Year: 2015
Projected Savings: 749,60 TOE



108

Sütaş

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Dairy
 Project Year: 2015
 Projected Savings: 1.048,30 TOE



109

Sek Süt

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Dairy
 Project Year: 2014
 Projected Savings: 145,20 TOE



110

Sek Süt

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Dairy
 Project Year: 2014
 Projected Savings: 19,31 TOE



111

Tamek Gıda

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Food
 Project Year: 2014
 Projected Savings: 32,80 TOE



112

Tat Gıda

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Food
 Project Year: 2014
 Projected Savings: 406,06 TOE



113

Karali Çay

Project Name: Detailed Energy Audit
 Location: Rize
 Sector: Beverage
 Project Year: 2014



114

Ak Gıda

Project Name: Detailed Energy Audit
 Location: Sakarya
 Sector: Dairy
 Project Year: 2013
 Projected Savings: 1.797,7 TOE



115

Pepsico

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Beverage
 Project Year: 2013



116

Sek Süt

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Dairy
 Project Year: 2013
 Projected Savings: 582,61 TOE



117

Tat Konserve

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Food
 Project Year: 2013
 Projected Savings: 195,00 TOE



118

Aroma

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Beverage
 Project Year: 2013



119

Pepsico

Project Name: Investment Grade Energy Audit
 Location: Tekirdağ
 Sector: Beverage
 Project Year: 2012-2013



120

An Gıda – SeraFood

Project Name: Detailed Energy Audit
 Location: Aydın
 Sector: Food
 Project Year: 2012
 Projected Savings: 570,09 TOE



121

Bahçivan Gıda

Project Name: Detailed Energy Audit
 Location: Kırklareli
 Sector: Dairy
 Project Year: 2012
 Projected Savings: 1.119,77 TOE



122

Maybi

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Dairy
 Project Year: 2012
 Projected Savings: 961,76 TOE



123

Ak Gıda

Project Name: Consultancy
 Location: Sakarya
 Sector: Dairy
 Project Year: 2012



124

Mey Diageo

Project Name: Consultancy
 Location: Tekirdağ
 Sector: Beverage
 Project Year: 2012



125

Ülker

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Food
 Project Year: 2011
 Projected Savings: 148,20 TOE



126

BUNGE

Project Name: Consultancy
 Location: Kırklareli
 Sector: Food
 Project Year: 2011



127

Pepsico

Project Name: Consultancy
 Location: İzmir
 Sector: Beverage
 Project Year: 2011



128

Pepsico

Project Name: Consultancy
 Location: Adana
 Sector: Beverage
 Project Year: 2010



129

Pepsico

Project Name: Detailed Energy Audit
 Location: İzmir
 Sector: Beverage
 Project Year: 2010



130

Pepsico

Project Name: Detailed Energy Audit
 Location: Domodedovo, Russia
 Sector: Beverage
 Project Year: 2010



131

Pepsico

Project Name: Detailed Energy Audit
 Location: Lebedyansky, Russia
 Sector: Beverage
 Project Year: 2010



132

Ak Gıda

Project Name: Investment Grade Energy Audit
 Location: Sakarya
 Sector: Dairy
 Project Year: 2010
 Projected Savings: 1.212,00 TOE



133

Mey Diageo

Project Name: Investment Grade Energy Audit
 Location: Tekirdağ
 Sector: Beverage
 Project Year: 2010
 Projected Savings: 945,90 TOE



134

An Gıda – SeraFood

Project Name: Detailed Energy Audit
 Location: Manisa
 Sector: Food
 Project Year: 2010



135

An Gıda – SeraFood

Project Name: Detailed Energy Audit
 Location: Aydın
 Sector: Food
 Project Year: 2010
 Projected Savings: 1.745,82 TOE



136

Ekiciler Süt

Project Name: Consultancy
 Location: Antalya
 Sector: Dairy
 Project Year: 2010



137

Fritolay

Project Name: Detailed Energy Audit
 Location: Kashira, Russia
 Sector: Food
 Project Year: 2010



138

Fritolay

Project Name: Detailed Energy Audit
 Location: Strauss, Israel
 Sector: Food
 Project Year: 2010



139

Erpilic

Project Name: Detailed Energy Audit
 Location: Bolu
 Sector: Food
 Project Year: 2009



140

Ak Gıda

Project Name: Detailed Energy Audit
 Location: Sakarya
 Sector: Dairy
 Project Year: 2009



141

Danone

Project Name: Detailed Energy Audit
 Location: Balıkesir
 Sector: Dairy
 Project Year: 2009



142

Mey Diageo

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Beverage
 Project Year: 2009



143

Mey Diageo

Project Name: Detailed Energy Audit
 Location: Manisa
 Sector: Beverage
 Project Year: 2009



144

Mey Diageo

Project Name: Detailed Energy Audit
Location: Nevşehir
Sector: Beverage
Project Year: 2009



145

Pepsico

Project Name: Detailed Energy Audit
Location: Adana
Sector: Beverage
Project Year: 2009



146

BUNGE

Project Name: Consultancy
Location: Kırklareli
Sector: Food
Project Year: 2009



147

Mey Diageo

Project Name: Detailed Energy Audit
Location: Tekirdağ
Sector: Beverage
Project Year: 2008



148

BUNGE

Project Name: Consultancy
Location: Tekirdağ
Sector: Food
Project Year: 2008



149

BUNGE

Project Name: Consultancy
Location: İzmir
Sector: Food
Project Year: 2008



150

Beypiliç

Project Name: Detailed Energy Audit
Location: Bolu
Sector: Food
Project Year: 2008



151

Aytaç Gıda

Project Name: Consultancy
Location: Sakarya
Sector: Food
Project Year: 2008



152

Pepsico

Project Name: Consultancy
Location: Tekirdağ
Sector: Beverage
Project Year: 2008



153

Pepsico

Project Name: Consultancy
Location: İzmir
Sector: Beverage
Project Year: 2008



154

Sütaş

Project Name: Detailed Energy Audit
Location: Bursa
Sector: Dairy
Project Year: 2007



155

Abalıoğlu Yağ

Project Name: Detailed Energy Audit
Location: İzmir
Sector: Food
Project Year: 2007



156

Bolpat

Project Name: Detailed Energy Audit
Location: Bolu
Sector: Food
Project Year: 2007



157

Kervan Gıda

Project Name: Detailed Energy Audit
Location: İstanbul
Sector: Food
Project Year: 2007



158

Türk Tuborg

Project Name: Detailed Energy Audit
Location: İzmir
Sector: Beverage
Project Year: 2006



159

Abalıoğlu Yağ

Project Name: Boiler House Retrofit Consultancy
Location: İzmir
Sector: Food
Project Year: 2006



160

Beypiliç

Project Name: Detailed Energy Audit
Location: Bolu
Sector: Food
Project Year: 2006



161



HOME APPLIANCES



Bosch Termoteknik

Project Name: Detailed Energy Audit
Location: Manisa
Sector: HVAC
Project Year: 2025
Projected Savings: 109,05 TOE



01

Schneider Electric

Project Name: Detailed Energy Audit
Location: Manisa
Sector: Electrical Equipment
Project Year: 2023
Projected Savings: 26,53 TOE



02

Vestel Beyaz Eşya

Project Name: Investment Grade Energy Audit
Location: Manisa
Sector: White Goods & Houseware
Project Year: 2023
Projected Savings: 611,66 TOE



03

Simeco (Teka Group)

Project Name: Detailed Energy Audit
Location: İzmir
Sector: White Goods & Houseware
Project Year: 2022
Projected Savings: 47,3 TOE



04

Teleset

Project Name: Investment Grade Energy Audit
Location: Manisa
Sector: Bathroom & Kitchen Solutions / Sanitary Ware
Project Year: 2022
Projected Savings: 4,76 TOE



05

Franke Türkiye

Project Name: Detailed Energy Audit
Location: Manisa
Sector: Kitchen Systems & Appliances
Project Year: 2022
Projected Savings: 120,36 TOE



06

Teleset

Project Name: Investment Grade Energy Audit
 Location: Manisa
 Sector: Bathroom & Kitchen Solutions / Sanitary Ware
 Project Year: 2022
 Projected Savings: 55,48 TOE

teleset

07

Arçelik

Project Name: Investment Grade Energy Audit
 Location: Eskişehir
 Sector: White Goods & Houseware
 Project Year: 2022
 Projected Savings: 6,14 TOE

arçelik

08

Teleset

Project Name: Detailed Energy Audit
 Location: Manisa
 Sector: Bathroom & Kitchen Solutions / Sanitary Ware
 Project Year: 2022
 Projected Savings: 148,06 TOE

teleset

09

Arçelik

Project Name: Investment Grade Energy Audit
 Location: Bolu
 Sector: White Goods & Houseware
 Project Year: 2021
 Projected Savings: 157,03 TOE

arçelik

10

Arçelik

Project Name: Consultancy for Energy Efficiency Incentive Program
 Location: Bolu
 Sector: White Goods & Houseware
 Project Year: 2021
 Projected Savings: 16,88 TOE

arçelik

11

Arçelik

Project Name: Consultancy for Energy Efficiency Incentive Program
 Location: Eskişehir
 Sector: White Goods & Houseware
 Project Year: 2021
 Projected Savings: 32,15 TOE

arçelik

12

Bosch Termoteknik

Project Name: Detailed Energy Audit
 Location: Manisa
 Sector: HVAC
 Project Year: 2021
 Projected Savings: 194,30 TOE



13

B/S/H

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: White Goods & Houseware
 Project Year: 2018
 Projected Savings: 1.542,0 TOE

B/S/H/

14

Bosch Termoteknik

Project Name: Detailed Energy Audit
 Location: Manisa
 Sector: HVAC
 Project Year: 2017
 Projected Savings: 143,50 TOE



15

Doğrular Ev Ürünleri

Project Name: Detailed Energy Audit
 Location: Konya
 Sector: White Goods & Houseware
 Project Year: 2017
 Projected Savings: 118,80 TOE



16

Vestel Beyaz Eşya

Project Name: Detailed Energy Audit
 Location: Manisa
 Sector: White Goods & Houseware
 Project Year: 2015
 Projected Savings: 173,14 TOE

VESTEL

17

Vestel Beyaz Eşya

Project Name: Consultancy for Energy Efficiency Incentive Program
 Location: Manisa
 Sector: White Goods & Houseware
 Project Year: 2015

VESTEL

18

Vestel Beyaz Eşya

Project Name: Consultancy
 Location: Manisa
 Sector: White Goods & Houseware
 Project Year: 2015

VESTEL

19

Bosch Termoteknik

Project Name: Project Design
 Location: Manisa
 Sector: HVAC
 Project Year: 2015

 **BOSCH**

20

B/S/H (Washing Machine)

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: White Goods & Houseware
 Project Year: 2014
 Projected Savings: 589,00 TOE

B/S/H/

21

B/S/H (Refrigerator)

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: White Goods & Houseware
 Project Year: 2014
 Projected Savings: 411,38 TOE

B/S/H/

22

B/S/H (Oven)

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: White Goods & Houseware
 Project Year: 2013
 Projected Savings: 78,71 TOE

B/S/H/

23

Bosch Termoteknik

Project Name: Detailed Energy Audit
 Location: Manisa
 Sector: HVAC
 Project Year: 2012
 Projected Savings: 225,63 TOE

 **BOSCH**

24

B/S/H

Project Name: Detailed Energy Audit
Location: Tekirdağ
Sector: White Goods & Houseware
Project Year: 2011
Projected Savings: 222,22 TOE

B/S/H/**25**

METAL



Altek Metal

Project Name: Detailed Energy Audit
Location: Tekirdağ
Sector: Metal
Project Year: 2025
Projected Savings: 151,82 TOE



01

IMC Galvaniz

Project Name: Detailed Energy Audit
Location: Osmaniye
Sector: Metal
Project Year: 2025
Projected Savings: 69,98 TOE



02

Aygaz

Project Name: Detailed Energy Audit
Location: Kocaeli
Sector: Metal
Project Year: 2024
Projected Savings: 50,93 TOE



03

Borçelik

Project Name: Detailed Energy Audit
Location: Bursa
Sector: Iron & Steel
Project Year: 2024
Projected Savings: 1.797,00 TOE



04

Borusan Boru

Project Name: Investment Grade Energy Audit
Location: Bursa
Sector: Metal
Project Year: 2024
Projected Savings: 524,82 TOE



05

Trakya Döküm

Project Name: Preliminary Energy Audit
Location: Kırklareli
Sector: Iron Casting
Project Year: 2024
Projected Savings: 307,17 TOE



06

Asil Çelik

Project Name: Detailed Energy Audit
Location: Bursa
Sector: Iron & Steel
Project Year: 2023
Projected Savings: 1.433,78 TOE



07

Çelik Halat

Project Name: Investment Grade Energy Audit
Location: Kocaeli
Sector: Iron & Steel
Project Year: 2023
Projected Savings: 296,72 TOE



08

Assan Alüminyum

Project Name: Detailed Energy Audit
Location: Kocaeli
Sector: Aluminum
Project Year: 2023
Projected Savings: 1.204,5 TOE



09

Assan Alüminyum

Project Name: Detailed Energy Audit
Location: İstanbul
Sector: Aluminum
Project Year: 2023
Projected Savings: 647,4 TOE



10

Maxion Wheels

Project Name: Detailed Energy Audit
Location: Manisa
Sector: Aluminum
Project Year: 2023
Projected Savings: 868,1 TOE



11

Assan Alüminyum

Project Name: Investment Grade Energy Audit
Location: İstanbul
Sector: Aluminum
Project Year: 2023



12

Prometal

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Metal
 Project Year: 2023
 Projected Savings: 33,86 TOE



13

Üntel Kablo

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Cable
 Project Year: 2023
 Projected Savings: 270,31 TOE



14

Vatan Kablo

Project Name: Investment Grade Energy Audit
 Location: Tekirdağ
 Sector: Cable
 Project Year: 2023
 Projected Savings: 92,44 TOE



15

Prometal

Project Name: ISO 50001 Consultancy
 Location: Bursa
 Sector: Metal
 Project Year: 2023



16

Demirer Kablo

Project Name: ISO 50001 Consultancy
 Location: Bilecik
 Sector: Cable
 Project Year: 2022



17

Can Metal

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Metal
 Project Year: 2022
 Projected Savings: 440,1 TOE



18

Cansan Alüminyum

Project Name: Detailed Energy Audit
Location: Bursa
Sector: Aluminum
Project Year: 2022
Projected Savings: 88,9 TOE

YEŞİLOVA EKSTRÜZYON

19

Demirer Kablo

Project Name: Detailed Energy Audit
Location: Bilecik
Sector: Cable
Project Year: 2022
Projected Savings: 213,4 TOE

DEMİRER KABLO

20

Çemtaş

Project Name: Investment Grade Energy Audit
Location: Bursa
Sector: Steel
Project Year: 2022
Projected Savings: 525,7 TOE

ÇEMTAŞ

21

Kutes Metal

Project Name: Investment Grade Energy Audit
Location: Tekirdağ
Sector: Metal
Project Year: 2022
Projected Savings: 61,14 TOE

KUTES
THE NEW
IRON AGE

22

Sistem Alüminyum

Project Name: Investment Grade Energy Audit
Location: İstanbul
Sector: Aluminum
Project Year: 2022
Projected Savings: 800,88 TOE

Sistem
ALÜMİNYUM

23

Bekaert

Project Name: Investment Grade Energy Audit
Location: Kocaeli
Sector: Metal
Project Year: 2022

Bekaert

24

Bekaert

Project Name: Investment Grade Energy Audit
Location: Kocaeli
Sector: Metal
Project Year: 2022



25

Can Metal

Project Name: ISO 50001 Consultancy
Location: Bursa
Sector: Metal
Project Year: 2022



26

Cansan Alüminyum

Project Name: ISO 50001 Consultancy
Location: Bursa
Sector: Aluminum
Project Year: 2022



27

ACL Group

Project Name: Preliminary Energy Audit
Location: Bingöl
Sector: Metal Recycling
Project Year: 2021
Projected Savings: 95,10 TOE



28

Demisaş

Project Name: Consultancy for Energy Efficiency Incentive Program
Location: Bilecik
Sector: Casting
Project Year: 2021
Projected Savings: 81,50 TOE



29

Çolakoğlu Metalurji

Project Name: ISO 50001 Consultancy
Location: Kocaeli
Sector: Metal
Project Year: 2021



30

Fırat Döküm

Project Name: Preliminary Energy Audit
 Location: Elazığ
 Sector: Casting
 Project Year: 2021
 Projected Savings: 2,92 TOE



31

Vatan Kablo

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Cable
 Project Year: 2021
 Projected Savings: 256,30 TOE



32

Vatan Kablo

Project Name: Consultancy for Energy Efficiency Incentive Program
 Location: Tekirdağ
 Sector: Cable
 Project Year: 2021
 Projected Savings: 44,96 TOE



33

Bekaert

Project Name: Detailed Energy Audit
 Location: İzmit, Kocaeli
 Sector: Metal
 Project Year: 2020
 Projected Savings: 395,16 TOE



34

Bekaert

Project Name: Detailed Energy Audit
 Location: Kartepe, Kocaeli
 Sector: Metal
 Project Year: 2020
 Projected Savings: 276,0 TOE



35

Demisaş

Project Name: Consultancy for Energy Efficiency Incentive Program
 Location: Bilecik
 Sector: Casting
 Project Year: 2020
 Projected Savings: 47,47 TOE



36

Demisaş

Project Name: Consultancy for Energy Efficiency Incentive Program
 Location: Bilecik
 Sector: Casting
 Project Year: 2020
 Projected Savings: 59,69 TOE



37

Borusan Boru

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Metal
 Project Year: 2019
 Projected Savings: 1.118,3 TOE



38

Mega Metal

Project Name: Detailed Energy Audit
 Location: Kayseri
 Sector: Metal
 Project Year: 2019



39

Bekaert

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Metal
 Project Year: 2018
 Projected Savings: 88,96 TOE



40

Üntel Kablo

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Cable
 Project Year: 2018
 Projected Savings: 269,40 TOE



41

Ardöküm

Project Name: Detailed Energy Audit
 Location: Denizli
 Sector: Casting
 Project Year: 2017
 Projected Savings: 155,90 TOE



42

Aryum Metal

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Metal
 Project Year: 2017
 Projected Savings: 87,29 TOE



43

Ege Çelik

Project Name: Detailed Energy Audit
 Location: İzmir
 Sector: Iron & Steel
 Project Year: 2017
 Projected Savings: 7.110,7 TOE



44

Erikoğlu Emaye

Project Name: Detailed Energy Audit
 Location: Denizli
 Sector: Metal
 Project Year: 2017
 Projected Savings: 85,10 TOE



45

Bekaert

Project Name: Consultancy
 Location: Kocaeli
 Sector: Metal
 Project Year: 2017



46

Demisaş

Project Name: Detailed Energy Audit
 Location: Bilecik
 Sector: Casting
 Project Year: 2016
 Projected Savings: 760,70 TOE



47

Berdan Civata

Project Name: Detailed Energy Audit
 Location: Mersin
 Sector: Metal
 Project Year: 2016
 Projected Savings: 50,39 TOE



48

Berdan Yüzey Kaplama

Project Name: Detailed Energy Audit
 Location: Mersin
 Sector: Metal
 Project Year: 2016
 Projected Savings: 31,38 TOE



49

Has Teknik

Project Name: Detailed Energy Audit
 Location: Ankara
 Sector: Metal
 Project Year: 2016
 Projected Savings: 14,51 TOE



50

Kaleliler

Project Name: Detailed Energy Audit
 Location: Ankara
 Sector: Metal
 Project Year: 2016
 Projected Savings: 4,54 TOE



51

Önder Metal Makina

Project Name: Detailed Energy Audit
 Location: Konya
 Sector: Metal
 Project Year: 2016



52

Saraylı Madeni Eşya

Project Name: Detailed Energy Audit
 Location: Konya
 Sector: Aluminum
 Project Year: 2016



53

Asaş Alüminyum

Project Name: Consultancy for Energy Efficiency Incentive Program
 Location: Sakarya
 Sector: Aluminum
 Project Year: 2016
 Projected Savings: 280,64 TOE



54

Asaş Alüminyum

Project Name: Consultancy for Energy Efficiency Incentive Program
 Location: Sakarya
 Sector: Aluminum
 Project Year: 2016
 Projected Savings: 12,40 TOE



55

Üntel Kablo

Project Name: Consultancy
 Location: Kocaeli
 Sector: Cable
 Project Year: 2016



56

Ferro Döküm

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Casting
 Project Year: 2015
 Projected Savings: 481,01 TOE



57

Marzinc

Project Name: Detailed Energy Audit
 Location: Karabük
 Sector: Metal
 Project Year: 2015
 Projected Savings: 460,99 TOE



58

Mitaş Endüstri

Project Name: Detailed Energy Audit
 Location: Ankara
 Sector: Metal
 Project Year: 2015
 Projected Savings: 340,10 TOE



59

ORS Rulman

Project Name: Detailed Energy Audit
 Location: Ankara
 Sector: Metal
 Project Year: 2015
 Projected Savings: 1.029,0 TOE



60

Asaş Alüminyum

Project Name: Consultancy for Energy Efficiency Incentive Program
 Location: Sakarya
 Sector: Aluminum
 Project Year: 2015
 Projected Savings: 198,63 TOE



61

Sarkuysan

Project Name: Consultancy for Energy Efficiency Incentive Program
 Location: Kocaeli
 Sector: Metal
 Project Year: 2015
 Projected Savings: 58,72 TOE



62

Sarkuysan

Project Name: Consultancy for Energy Efficiency Incentive Program
 Location: Kocaeli
 Sector: Metal
 Project Year: 2015
 Projected Savings: 7,24 TOE



63

Sarkuysan

Project Name: Consultancy for Energy Efficiency Incentive Program
 Location: Kocaeli
 Sector: Metal
 Project Year: 2015
 Projected Savings: 45,99 TOE



64

Cansan Alüminyum

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Aluminum
 Project Year: 2014



65

Özkan Demir Çelik

Project Name: Detailed Energy Audit
 Location: İzmir
 Sector: Metal
 Project Year: 2014
 Projected Savings: 4.817,00 TOE



66

Çinkom Çinko

Project Name: Consultancy
Location: Kayseri
Sector: Metal
Project Year: 2014



67

Ferro Döküm

Project Name: Detailed Energy Audit
Location: Kocaeli
Sector: Casting
Project Year: 2014



68

Tat Metal

Project Name: Consultancy
Location: Zonguldak
Sector: Metal
Project Year: 2012



69

Bekaert

Project Name: Investment Grade Energy Audit
Location: Kocaeli
Sector: Metal
Project Year: 2011
Projected Savings: 67,17 TOE



70

Alpsan Alüminyum

Project Name: Consultancy
Location: Kocaeli
Sector: Aluminum
Project Year: 2011



71

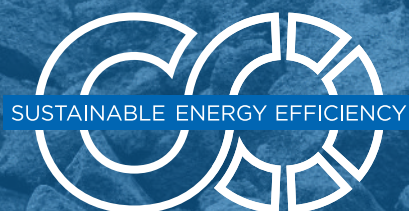
Borusan Boru

Project Name: Detailed Energy Audit
Location: İstanbul
Sector: Metal
Project Year: 2008



72

MINING & MINERALS



Esan Eczacıbaşı

Project Name: Preliminary Energy Audit
Location: Konya
Sector: Mining
Project Year: 2024
Projected Savings: 917,65 TOE

esan
Eczacıbaşı

01

Esan Eczacıbaşı

Project Name: Investment Grade Energy Audit
Location: Konya
Sector: Mining
Project Year: 2024
Projected Savings: 423,9 TOE

esan
Eczacıbaşı

02

Esan Eczacıbaşı

Project Name: Detailed Energy Audit
Location: Aydın
Sector: Mining
Project Year: 2024
Projected Savings: 258,7 TOE

esan
Eczacıbaşı

03

Esan Eczacıbaşı

Project Name: Detailed Energy Audit
Location: Milas, Muğla
Sector: Mining
Project Year: 2024
Projected Savings: 154,39 TOE

esan
Eczacıbaşı

04

Esan Eczacıbaşı

Project Name: Detailed Energy Audit
Location: Yeniköy, Muğla
Sector: Mining
Project Year: 2024
Projected Savings: 127,5 TOE

esan
Eczacıbaşı

05

Esan Eczacıbaşı

Project Name: Detailed Energy Audit
Location: Bozüyük, Bilecik
Sector: Mining
Project Year: 2024
Projected Savings: 141,3 TOE

esan
Eczacıbaşı

06

Esan Eczacıbaşı

Project Name: Detailed Energy Audit
Location: Balya, Balıkesir
Sector: Mining
Project Year: 2024
Projected Savings: 301,09 TOE



07

Eczacıbaşı Yapı Gereçleri (Vitro SSG)

Project Name: Preliminary Energy Audit
Location: Bilecik
Sector: Ceramics
Project Year: 2024
Projected Savings: 194,69 TOE



08

Eczacıbaşı Yapı Gereçleri (Vitro Karo)

Project Name: Preliminary Energy Audit
Location: Tuzla, İstanbul
Sector: Ceramics
Project Year: 2024
Projected Savings: 79,05 TOE



09

Eczacıbaşı Yapı Gereçleri (Vitro Karo)

Project Name: Preliminary Energy Audit
Location: Tuzla, İstanbul
Sector: Ceramics
Project Year: 2024
Projected Savings: 3,65 TOE



10

Eczacıbaşı Yapı Gereçleri (Vitro SSG)

Project Name: Investment Grade Energy Audit
Location: Bilecik
Sector: Ceramics
Project Year: 2024
Projected Savings: 79,11 TOE



11

Eczacıbaşı Yapı Gereçleri (Vitro Karo)

Project Name: Detailed Energy Audit
Location: Bilecik
Sector: Ceramics
Project Year: 2023
Projected Savings: 1.006,4 TOE



12

Eczacıbaşı Yapı Gereçleri (Vitru SSG)

Project Name: Detailed Energy Audit
 Location: Bilecik
 Sector: Ceramics
 Project Year: 2023
 Projected Savings: 100,6 TOE



13

RHI Magnesita Türkiye

Project Name: Detailed Energy Audit
 Location: Eskişehir
 Sector: Mining
 Project Year: 2023
 Projected Savings: 409,4 TOE



14

Karavil Group

Project Name: Detailed Energy Audit
 Location: Diyarbakır
 Sector: Cement
 Project Year: 2022
 Projected Savings: 210,0 TOE



15

Porland Porselen

Project Name: Detailed Energy Audit
 Location: Bilecik
 Sector: Porcelain
 Project Year: 2021
 Projected Savings: 366,0 TOE



16

Aytaş Alçı

Project Name: Detailed Energy Audit
 Location: Ankara
 Sector: Plaster & Cement
 Project Year: 2020
 Projected Savings: 327,30 TOE



17

Şişecam

Project Name: Detailed Energy Audit
 Location: Yenişehir
 Sector: Glass
 Project Year: 2019-2020
 Projected Savings: 435,80 TOE



18

Şişecam

Project Name: Detailed Energy Audit
Location: Eskişehir
Sector: Glass
Project Year: 2019-2020
Projected Savings: 439,71 TOE



19

Şişecam

Project Name: Detailed Energy Audit
Location: Mersin
Sector: Glass
Project Year: 2019-2020
Projected Savings: 1.669,90 TOE



20

Şişecam

Project Name: Detailed Energy Audit
Location: Denizli
Sector: Glass
Project Year: 2019-2020
Projected Savings: 66,78 TOE



21

Şişecam

Project Name: Detailed Energy Audit
Location: Tuzla, İstanbul
Sector: Glass
Project Year: 2019-2020
Projected Savings: 10,00 TOE



22

Şişecam

Project Name: Detailed Energy Audit
Location: Kocaeli
Sector: Glass
Project Year: 2019-2020
Projected Savings: 492,98 TOE



23

Şişecam

Project Name: Detailed Energy Audit
Location: Bilecik
Sector: Glass
Project Year: 2019-2020
Projected Savings: 111,50 TOE



24

Şişecam

Project Name: Detailed Energy Audit
 Location: Eskişehir
 Sector: Glass
 Project Year: 2019-2020
 Projected Savings: 231,50 TOE



25

Şişecam

Project Name: Detailed Energy Audit
 Location: Kırklareli
 Sector: Glass
 Project Year: 2019-2020
 Projected Savings: 337,00 TOE



26

Şişecam

Project Name: Detailed Energy Audit
 Location: Mersin
 Sector: Glass
 Project Year: 2019-2020
 Projected Savings: 1.446,5 TOE



27

Şişecam

Project Name: Detailed Energy Audit
 Location: Lüleburgaz, Kırklareli
 Sector: Glass
 Project Year: 2019-2020
 Projected Savings: 258,7 TOE



28

Şişecam

Project Name: Detailed Energy Audit
 Location: Kırklareli
 Sector: Glass
 Project Year: 2019-2020
 Projected Savings: 536,87 TOE



29

Şişecam

Project Name: Detailed Energy Audit
 Location: Mersin
 Sector: Glass
 Project Year: 2019-2020
 Projected Savings: 355,65 TOE



30

Şişecam

Project Name: Detailed Energy Audit
 Location: Yenişehir
 Sector: Glass
 Project Year: 2019-2020
 Projected Savings: 1.033,48 TOE



31

Şişecam

Project Name: Detailed Energy Audit
 Location: Polatlı, Ankara
 Sector: Glass
 Project Year: 2019-2020
 Projected Savings: 1.497,3 TOE



32

Sirmersan

Project Name: Detailed Energy Audit
 Location: Denizli
 Sector: Ceramics
 Project Year: 2017
 Projected Savings: 13,50 TOE



33

Karlis Yapı

Project Name: Investment Grade Energy Audit
 Location: Diyarbakır
 Sector: Plaster
 Project Year: 2017



34

Glasscorp

Project Name: Detailed Energy Audit
 Location: Romania
 Sector: Glass
 Project Year: 2017
 Projected Savings: 437,06 TOE



35

Şişecam

Project Name: Investment Grade Energy Audit
 Location: Kırklareli
 Sector: Glass
 Project Year: 2017
 Projected Savings: 152,74 TOE



36

Şişecam

Project Name: Investment Grade Energy Audit
 Location: Kırklareli
 Sector: Glass
 Project Year: 2017
 Projected Savings: 40,96 TOE



37

Duravit

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Ceramics
 Project Year: 2017
 Projected Savings: 139,10 TOE



38

Karavil Group

Project Name: Investment Grade Energy Audit
 Location: Diyarbakır
 Sector: Cement
 Project Year: 2017



39

Trakya Polatlı Cam

Project Name: Detailed Energy Audit
 Location: Ankara
 Sector: Glass
 Project Year: 2016
 Projected Savings: 7.309,00 TOE



Trakya Cam Sanayi A.Ş.

40

Nuh Çimento

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Cement
 Project Year: 2015
 Projected Savings: 25,12 TOE



41

Niğtaş

Project Name: Detailed Energy Audit
 Location: Niğde
 Sector: Industrial Minerals
 Project Year: 2014



42

PACKAGING & PLASTICS



EUROTEC Mühendislik

Project Name: Detailed Energy Audit
Location: Tekirdağ
Sector: Plastics
Project Year: 2024
Projected Savings: 46,1 TOE



01

Işık Plastik

Project Name: Detailed Energy Audit
Location: Kocaeli
Sector: Plastics
Project Year: 2024
Projected Savings: 28,74 TOE



02

Güngör Plastik

Project Name: Detailed Energy Audit
Location: İstanbul
Sector: Plastics
Project Year: 2023
Projected Savings: 323,96 TOE



03

Güngör Plastik

Project Name: ISO 50001 Consultancy
Location: İstanbul
Sector: Plastics
Project Year: 2023



04

Turan Plastik

Project Name: ISO 50001 Consultancy
Location: Konya
Sector: Plastics
Project Year: 2023



05

Amcor Flexibles

Project Name: Energy Measurement
Location: İstanbul
Sector: Packaging
Project Year: 2022



06

Bericap Türkiye

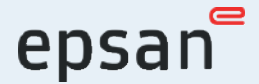
Project Name: Investment Grade Energy Audit
 Location: Kocaeli
 Sector: Plastics
 Project Year: 2022
 Projected Savings: 321,2 TOE



07

Epsan Plastik

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Plastics
 Project Year: 2022
 Projected Savings: 18,34 TOE



08

Sümer Plastik

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Packaging & Plastics
 Project Year: 2022
 Projected Savings: 155,8 TOE



09

Bericap Türkiye

Project Name: Investment Grade Energy Audit
 Location: Kocaeli
 Sector: Plastics
 Project Year: 2022
 Projected Savings: 122,51 TOE



10

Bericap Türkiye

Project Name: Investment Grade Energy Audit
 Location: Kocaeli
 Sector: Plastics
 Project Year: 2022
 Projected Savings: 141,72 TOE



11

Bericap Türkiye

Project Name: Investment Grade Energy Audit
 Location: Kocaeli
 Sector: Plastics
 Project Year: 2022
 Projected Savings: 99,49 TOE



12

Greiner

Project Name: Investment Grade Energy Audit
 Location: İstanbul
 Sector: Packaging
 Project Year: 2022
 Projected Savings: 126 TOE



13

Sümer Plastik

Project Name: ISO 50001 Consultancy
 Location: İstanbul
 Sector: Packaging & Plastics
 Project Year: 2022



14

Soyplas

Project Name: Preliminary Energy Audit
 Location: Elazığ
 Sector: Packaging
 Project Year: 2021
 Projected Savings: 52,90 TOE



15

Süper Film Ambalaj

Project Name: Detailed Energy Audit
 Location: Gaziantep
 Sector: Packaging
 Project Year: 2020
 Projected Savings: 649,0 TOE



16

Bak Ambalaj

Project Name: Detailed Energy Audit
 Location: İzmir
 Sector: Packaging
 Project Year: 2017
 Projected Savings: 176,60 TOE



17

Işık Plastik

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Plastics
 Project Year: 2017
 Projected Savings: 207,55 TOE



18

Petek Plastik

Project Name: Detailed Energy Audit
 Location: Konya
 Sector: Plastics
 Project Year: 2017
 Projected Savings: 76,80 TOE



19

Nova Kalıp

Project Name: Detailed Energy Audit
 Location: Eskişehir
 Sector: Plastics
 Project Year: 2017
 Projected Savings: 64,20 TOE



20

Kalenobel

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Packaging
 Project Year: 2015
 Projected Savings: 267,00 TOE



21

Polinas Plastik

Project Name: Detailed Energy Audit
 Location: Manisa
 Sector: Packaging & Plastics
 Project Year: 2015
 Projected Savings: 349,00 TOE



22

Koroza Ambalaj

Project Name: Consultancy
 Location: İstanbul
 Sector: Packaging
 Project Year: 2015



23

Pia Akrilik

Project Name: Consultancy
 Location: İstanbul
 Sector: Plastics
 Project Year: 2015



24

Altan Plastik

Project Name: Detailed Energy Audit
Location: İstanbul
Sector: Plastics
Project Year: 2014



25

Vatan Plastik

Project Name: Detailed Energy Audit
Location: İstanbul
Sector: Plastics
Project Year: 2013



26

PHARMACEUTICAL



SUSTAINABLE ENERGY EFFICIENCY

Biofarma İlaç

Project Name: Detailed Energy Audit
Location: İstanbul
Sector: Pharmaceutical
Project Year: 2025
Projected Savings: 231,60 TOE



01

Humanis İlaç

Project Name: ISO 50001 Consultancy
Location: Tekirdağ
Sector: Pharmaceutical
Project Year: 2025

Humanis

02

Polifarma İlaç

Project Name: Detailed Energy Audit
Location: Tekirdağ
Sector: Pharmaceutical
Project Year: 2025
Projected Savings: 607,70 TOE



03

Polifarma İlaç

Project Name: ISO 50001 Consultancy
Location: Tekirdağ
Sector: Pharmaceutical
Project Year: 2025



04

Gensenta İlaç

Project Name: Investment Grade Energy Audit
Location: Şekerpınar, Kocaeli
Sector: Pharmaceutical
Project Year: 2024
Projected Savings: 166,3 TOE



05

Gensenta İlaç

Project Name: Investment Grade Energy Audit
Location: Yenibosna, İstanbul
Sector: Pharmaceutical
Project Year: 2024
Projected Savings: 536,4 TOE



06

Menarini Türkiye

Project Name: Detailed Energy Audit
Location: İstanbul
Sector: Pharmaceutical
Project Year: 2024
Projected Savings: 72,44 TOE



07

Neutec İlaç

Project Name: Detailed Energy Audit
Location: Sakarya
Sector: Pharmaceutical
Project Year: 2024
Projected Savings: 739,47 TOE



08

Monrol Nükleer Ürünler

Project Name: Preliminary Energy Audit
Location: Ankara
Sector: Healthcare & Pharmaceutical
Project Year: 2024
Projected Savings: 4,91 TOE



09

Monrol Nükleer Ürünler

Project Name: Preliminary Energy Audit
Location: İstanbul
Sector: Healthcare & Pharmaceutical
Project Year: 2024
Projected Savings: 14,36 TOE



10

Monrol Nükleer Ürünler

Project Name: Preliminary Energy Audit
Location: Kocaeli
Sector: Healthcare & Pharmaceutical
Project Year: 2024
Projected Savings: 99,99 TOE



11

Monrol Nükleer Ürünler

Project Name: Preliminary Energy Audit
Location: Adana
Sector: Healthcare & Pharmaceutical
Project Year: 2024
Projected Savings: 13,43 TOE



12

Monrol Nükleer Ürünler

Project Name: Preliminary Energy Audit
Location: İzmir
Sector: Healthcare & Pharmaceutical
Project Year: 2024
Projected Savings: 17,96 TOE



13

Humanis Sağlık

Project Name: ISO 50001 Consultancy
Location: Tekirdağ
Sector: Pharmaceutical
Project Year: 2024

Humanis

14

Sandoz İlaç

Project Name: ISO 50001 Consultancy
Location: Kocaeli
Sector: Pharmaceutical
Project Year: 2023

SANDOZ

15

Humanis Sağlık

Project Name: Detailed Energy Audit
Location: Tekirdağ
Sector: Pharmaceutical
Project Year: 2023
Projected Savings: 732,5 TOE

Humanis

16

Novartis İlaç

Project Name: Detailed Energy Audit
Location: İstanbul
Sector: Pharmaceutical
Project Year: 2022
Projected Savings: 531 TOE

NOVARTIS

17

Abdi İbrahim İlaç

Project Name: Detailed Energy Audit
Location: İstanbul
Sector: Pharmaceutical
Project Year: 2022
Projected Savings: 65,8 TOE

ABDİİBRAHİM

18

Bilim İlaç

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Pharmaceutical
 Project Year: 2022
 Projected Savings: 631,8 TOE



19

Bilim İlaç

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Pharmaceutical
 Project Year: 2022
 Projected Savings: 330,4 TOE



20

Birgi Mefar

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2022
 Projected Savings: 1.041,9 TOE



21

Deva Holding

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Pharmaceutical
 Project Year: 2022
 Projected Savings: 438 TOE



22

Deva Holding

Project Name: Investment Grade Energy Audit
 Location: Tekirdağ
 Sector: Pharmaceutical
 Project Year: 2022



23

Pharmavision

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2022
 Projected Savings: 229,2 TOE



24

Sandoz İlaç

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Pharmaceutical
 Project Year: 2022
 Projected Savings: 63,33 TOE

SANDOZ**25****Pharmactive**

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Pharmaceutical
 Project Year: 2022
 Projected Savings: 220,30 TOE

**26****Onko Koçsel**

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Pharmaceutical
 Project Year: 2022
 Projected Savings: 275,30 TOE

**27****Sandoz İlaç**

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Pharmaceutical
 Project Year: 2022
 Projected Savings: 266,60 TOE

SANDOZ**28****Sanovel İlaç**

Project Name: Investment Grade Energy Audit
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2022

**29****Sanovel İlaç**

Project Name: ISO 50001 Consultancy
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2022

**30**

Sandoz İlaç

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2021
 Projected Savings: 91,35 TOE

SANDOZ

31

Bayer Türkiye

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2021



32

Sandoz İlaç

Project Name: Consultancy for Energy Efficiency Incentive Program
 Location: Kocaeli
 Sector: Pharmaceutical
 Project Year: 2021
 Projected Savings: 226,81 TOE

SANDOZ

33

Sanovel İlaç

Project Name: Consultancy for Energy Efficiency Incentive Program
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2021
 Projected Savings: 149,42 TOE



34

Bilim İlaç

Project Name: ISO 50001 Consultancy
 Location: Tekirdağ
 Sector: Pharmaceutical
 Project Year: 2019



35

Bilim İlaç

Project Name: ISO 50001 Consultancy
 Location: Kocaeli
 Sector: Pharmaceutical
 Project Year: 2017



36

Birgi Mefar

Project Name: ISO 50001 Consultancy
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2017



37

Onko Koçsel

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Pharmaceutical
 Project Year: 2017



38

Sandoz İlaç

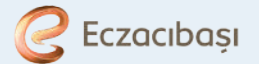
Project Name: Consultancy
 Location: Kocaeli
 Sector: Pharmaceutical
 Project Year: 2016

SANDOZ

39

Eczacıbaşı

Project Name: Consultancy
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2015



40

Abdi İbrahim İlaç

Project Name: Consultancy
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2012



41

Abdi İbrahim İlaç

Project Name: Consultancy
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2011



42

Abdi İbrahim İlaç

Project Name: Consultancy
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2010



43

Sandoz İlaç

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2009

SANDOZ

44

Sanofi Türkiye

Project Name: ISO 50001 Consultancy
 Location: Kırklareli
 Sector: Pharmaceutical
 Project Year: 2008

sanofi

45

Sandoz İlaç

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2008

SANDOZ

46

Pharmactive

Project Name: ISO 50001 Consultancy
 Location: Tekirdağ
 Sector: Pharmaceutical
 Project Year: 2006



47

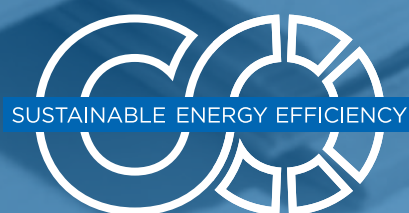
Bayer Türkiye

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Pharmaceutical
 Project Year: 2006



48

PULP & PAPER



Aktül Kağıt

Project Name: Detailed Energy Audit
 Location: Sakarya
 Sector: Paper
 Project Year: 2023
 Projected Savings: 981 TOE



01

Aktül Kağıt

Project Name: Consultancy for Energy Efficiency Incentive Program
 Location: Sakarya
 Sector: Paper
 Project Year: 2020
 Projected Savings: 27,74 TOE



02

Aktül Kağıt

Project Name: Detailed Energy Audit
 Location: Sakarya
 Sector: Paper
 Project Year: 2019
 Projected Savings: 979,20 TOE



03

Teknik Masura

Project Name: Detailed Energy Audit
 Location: Mersin
 Sector: Paper
 Project Year: 2016
 Projected Savings: 290,74 TOE



04

VE-GE

Project Name: Detailed Energy Audit
 Location: İzmir
 Sector: Paper
 Project Year: 2014
 Projected Savings: 4.958,0 TOE



05

Olmuksan

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Paper
 Project Year: 2013



06

Kombassan Kağıt

Project Name: Detailed Energy Audit
 Location: Konya
 Sector: Paper
 Project Year: 2010
 Projected Savings: 4.575,63 TOE



07

Parteks

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Paper
 Project Year: 2008



08

Yakasan

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Paper
 Project Year: 2008



09

Olmuksan

Project Name: Detailed Energy Audit
 Location: Adana
 Sector: Paper
 Project Year: 2008



10

Olmuksan

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Paper
 Project Year: 2008



11

Olmuksan

Project Name: Detailed Energy Audit
 Location: Kocaeli
 Sector: Paper
 Project Year: 2008



12

Olmuksan

Project Name: Detailed Energy Audit
 Location: Edirne
 Sector: Paper
 Project Year: 2008



13

Olmuksan

Project Name: Detailed Energy Audit
 Location: İzmir
 Sector: Paper
 Project Year: 2008



14

Oyka Kağıt

Project Name: Consultancy
 Location: Zonguldak
 Sector: Paper
 Project Year: 2008



15

Toprak Kağıt

Project Name: Detailed Energy Audit
 Location: Bilecik
 Sector: Paper
 Project Year: 2007



16

TEXTILE



Bilkont

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Textile
 Project Year: 2023
 Projected Savings: 459,7 TOE



Bilkont
 Dış Tic. ve Turizm San. Tic. A.Ş.

01

Telateks

Project Name: Detailed Energy Audit
 Location: Manisa
 Sector: Textile
 Project Year: 2022
 Projected Savings: 50,1 TOE



TELATEKS TEKSTİL ÜRÜNLERİ SANAYİ VE TİCARET A.Ş.

02

Akinal Sentetik (4th district)

Project Name: Detailed Energy Audit
 Location: Gaziantep
 Sector: Textile
 Project Year: 2022
 Projected Savings: 614,7 TOE



03

Ormo Yün İplik

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Textile
 Project Year: 2022
 Projected Savings: 137,3 TOE



excellence in quality

04

Akinal Sentetik (2nd district)

Project Name: Detailed Energy Audit
 Location: Gaziantep
 Sector: Textile
 Project Year: 2022
 Projected Savings: 184,6 TOE



05

Telateks

Project Name: Investment Grade Energy Audit
 Location: Manisa
 Sector: Textile
 Project Year: 2022
 Projected Savings: 43,8 TOE



TELATEKS TEKSTİL ÜRÜNLERİ SANAYİ VE TİCARET A.Ş.

06

Temtaş Tekstil

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Textile
 Project Year: 2022
 Projected Savings: 159,6 TOE



07

Temtaş Tekstil

Project Name: ISO 50001 Consultancy
 Location: Tekirdağ
 Sector: Textile
 Project Year: 2022



08

Babacan Tekstil

Project Name: Preliminary Energy Audit
 Location: Malatya
 Sector: Textile
 Project Year: 2021
 Projected Savings: 1.402,71 TOE



09

SMM Tekstil

Project Name: Preliminary Energy Audit
 Location: Elazığ
 Sector: Textile
 Project Year: 2021
 Projected Savings: 44,20 TOE



10

Bursalı Tekstil

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Textile
 Project Year: 2021
 Projected Savings: 60,59 TOE



11

ISKO

Project Name: Investment Grade Energy Audit
 Location: Bursa
 Sector: Textile
 Project Year: 2021
 Projected Savings: 846,54 TOE



12

Küçükçalık Tekstil

Project Name: Investment Grade Energy Audit
 Location: Sakarya
 Sector: Textile
 Project Year: 2021
 Projected Savings: 154,90 TOE



13

Küçükçalık Tekstil

Project Name: ISO 50001 Consultancy
 Location: Sakarya
 Sector: Textile
 Project Year: 2021



14

Sanko Tekstil

Project Name: Detailed Energy Audit
 Location: Gaziantep
 Sector: Textile
 Project Year: 2020
 Projected Savings: 141,80 TOE



15

Sanko Tekstil

Project Name: Detailed Energy Audit
 Location: Adıyaman
 Sector: Textile
 Project Year: 2020
 Projected Savings: 88,70 TOE



16

Sanko Tekstil (Towel)

Project Name: Detailed Energy Audit
 Location: Gaziantep
 Sector: Textile
 Project Year: 2020
 Projected Savings: 453,50 TOE



17

Bursalı Tekstil

Project Name: Preliminary Energy Audit
 Location: Bursa
 Sector: Textile
 Project Year: 2018
 Projected Savings: 219,70 TOE



18

Şireci Tekstil

Project Name: Detailed Energy Audit
 Location: Gaziantep
 Sector: Textile
 Project Year: 2018
 Projected Savings: 643,99 TOE



19

ISKO

Project Name: Consultancy
 Location: Bursa
 Sector: Textile
 Project Year: 2018

ISKO™

20

Tanrıverdi Tekstil

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Textile
 Project Year: 2018
 Projected Savings: 219,20 TOE



21

Rota Tekstil

Project Name: Detailed Energy Audit
 Location: Malatya
 Sector: Textile
 Project Year: 2017
 Projected Savings: 381,23 TOE



22

Malatya Boya ve Emprime

Project Name: Detailed Energy Audit
 Location: Malatya
 Sector: Textile
 Project Year: 2017
 Projected Savings: 105,53 TOE

ANATEKS

23

Pakmil

Project Name: Detailed Energy Audit
 Location: Adana
 Sector: Textile
 Project Year: 2017
 Projected Savings: 240,43 TOE



24

Akürün Tekstil

Project Name: Detailed Energy Audit
 Location: Denizli
 Sector: Textile
 Project Year: 2017
 Projected Savings: 62,79 TOE

AKÜRÜN
TEKSTİL A.Ş.

25

Toprak Kürk

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Textile
 Project Year: 2017
 Projected Savings: 39,49 TOE

TOPRAK
KÜRK

26

Akbaşlar Tekstil

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Textile
 Project Year: 2016
 Projected Savings: 1.081,0 TOE

AKBAŞLAR

27

Bozkurtlar Tekstil

Project Name: Detailed Energy Audit
 Location: Adana
 Sector: Textile
 Project Year: 2016
 Projected Savings: 130,60 TOE

BOZKURT
KONFEKSİYON

28

ISKO

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Textile
 Project Year: 2016
 Projected Savings: 230,82 TOE

ISKO™

29

İsistaş

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Textile
 Project Year: 2016
 Projected Savings: 5,40 TOE

İSİS TAŞ
İstanbul Sarıh İplik Sanayi ve Tic. A.Ş.

30

Söktaş

Project Name: Detailed Energy Audit
 Location: Aydın
 Sector: Textile
 Project Year: 2015
 Projected Savings: 262,30 TOE



31

Tükek Holding (Flokser Tekstil)

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Textile
 Project Year: 2015
 Projected Savings: 546,10 TOE



32

Tükek Holding (Flokser Tekstil)

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Textile
 Project Year: 2015
 Projected Savings: 502,70 TOE



33

Eurotex Tekstil

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Textile
 Project Year: 2014
 Projected Savings: 505,50 TOE



34

Tanrıverdi Tekstil

Project Name: Detailed Energy Audit
 Location: Tekirdağ
 Sector: Textile
 Project Year: 2014
 Projected Savings: 328,44 TOE



35

Ak-Tops Tekstil

Project Name: Detailed Energy Audit
 Location: Yalova
 Sector: Textile
 Project Year: 2012
 Projected Savings: 2.774,60 TOE



36

Birlik Örne

Project Name: Consultancy
 Location: Tekirdağ
 Sector: Textile
 Project Year: 2012



37

Baltaş Group

Project Name: Investment Grade Energy Audit
 Location: Tekirdağ
 Sector: Textile
 Project Year: 2011



38

Emin Tekstil

Project Name: Preliminary Energy Audit
 Location: Tekirdağ
 Sector: Textile
 Project Year: 2011
 Projected Savings: 239,36 TOE



39

Mensa

Project Name: Consultancy
 Location: Adana
 Sector: Textile
 Project Year: 2010



40

Alateks Tekstil

Project Name: Detailed Energy Audit
 Location: Kırklareli
 Sector: Textile
 Project Year: 2008



41

Hayat Havlu

Project Name: Detailed Energy Audit
 Location: Kayseri
 Sector: Textile
 Project Year: 2008



42

Akay Tekstil

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Textile
 Project Year: 2007



43

Hatemoğlu

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Textile
 Project Year: 2007



44

Özak Tekstil

Project Name: Consultancy
 Location: İstanbul
 Sector: Textile
 Project Year: 2007



45

İskefe Deri

Project Name: Consultancy
 Location: İstanbul
 Sector: Textile
 Project Year: 2007



46

Belde Tekstil

Project Name: Consultancy
 Location: İstanbul
 Sector: Textile
 Project Year: 2006



47

Atakan Tekstil

Project Name: Consultancy
 Location: Denizli
 Sector: Textile
 Project Year: 2006



48

Şarteks

Project Name: Detailed Energy Audit
Location: İstanbul
Sector: Textile
Project Year: 2005



49

Turkuaz Eşarp

Project Name: Consultancy
Location: İstanbul
Sector: Textile
Project Year: 2005



50

Şarteks

Project Name: Consultancy
Location: İstanbul
Sector: Textile
Project Year: 2004



51

OTHER PROJECTS



TTGV

Project Name: Detailed Energy Audit (Optima Project)
Location: Ankara
Sector: Non-governmental Organization
Project Year: 2025
Projected Savings: 49,05 TOE



01

Mess Türkiye Metal Sanayicileri Derneği

Project Name: Consultancy (Özübex Project)
Location: Türkiye
Sector: Non-governmental Organization
Project Year: 2025



02

Hitachi Energy

Project Name: Detailed Energy Audit
Location: Kocaeli
Sector: Energy
Project Year: 2023
Projected Savings: 26,4 TOE



03

Hitachi Energy

Project Name: Detailed Energy Audit
Location: İstanbul
Sector: Energy
Project Year: 2023
Projected Savings: 62 TOE



04

Yamas Yaşar Makine

Project Name: Detailed Energy Audit
Location: Bursa
Sector: Industrial Machinery & Equipment
Project Year: 2023
Projected Savings: 5,73 TOE



05

Eren Enerji

Project Name: Investment Grade Energy Audit
Location: Zonguldak
Sector: Energy
Project Year: 2023



06

Yamas Yaşar Makine

Project Name: ISO 50001 Consultancy
Location: Bursa
Sector: Industrial Machinery & Equipment
Project Year: 2023



07

TPI Composites

Project Name: Investment Grade Energy Audit
Location: Menemen, İzmir
Sector: Composite Blade Manufacturing
Project Year: 2022
Projected Savings: 111,5 TOE



08

TPI Composites

Project Name: Investment Grade Energy Audit
Location: Sasalı, İzmir
Sector: Composite Blade Manufacturing
Project Year: 2022
Projected Savings: 154,88 TOE



09

TPI Composites

Project Name: Detailed Energy Audit
Location: Sasalı, İzmir
Sector: Composite Blade Manufacturing
Project Year: 2022
Projected Savings: 305,80 TOE



10

TPI Composites

Project Name: Detailed Energy Audit
Location: Menemen, İzmir
Sector: Composite Blade Manufacturing
Project Year: 2022
Projected Savings: 358,20 TOE



11

TPI Composites

Project Name: ISO 50001 Consultancy
Location: Sasalı, İzmir
Sector: Composite Blade Manufacturing
Project Year: 2021



12

TPI Composites

Project Name: ISO 50001 Consultancy
 Location: Menemen, İzmir
 Sector: Composite Blade Manufacturing
 Project Year: 2021



13

Abtek

Project Name: Detailed Energy Audit
 Location: Ankara
 Sector: Electrical & Electronics / Industrial Automation
 Project Year: 2016
 Projected Savings: 4,34 TOE



14

Orhaneli Thermal Power Plant

Project Name: Detailed Energy Audit
 Location: Bursa
 Sector: Energy
 Project Year: 2016



15

Roleda Makina

Project Name: Detailed Energy Audit
 Location: Ankara
 Sector: Machinery Manufacturing
 Project Year: 2016
 Projected Savings: 9,81 TOE



16

ABB Türkiye

Project Name: Detailed Energy Audit
 Location: İstanbul
 Sector: Energy
 Project Year: 2015
 Projected Savings: 18,90 TOE



17

Gdf Suez

Project Name: Investment Grade Energy Audit
 Location: İstanbul
 Sector: Energy
 Project Year: 2014



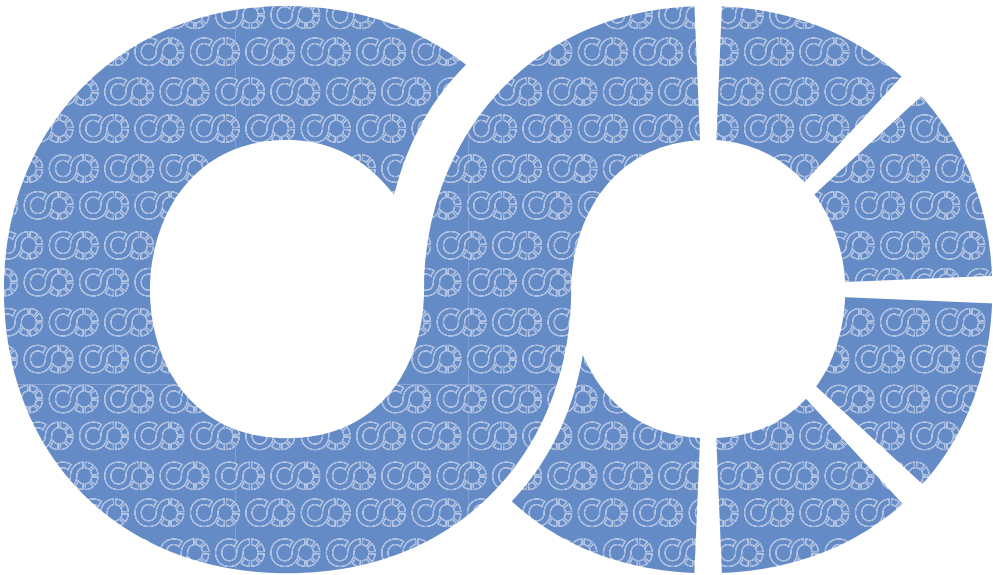
18

Volt Gayrimenkul

Project Name: Power Plant Consultancy
Location: Adana
Sector: Energy
Project Year: 2011

19

Lined area for notes.



CONTACT

ESCON ENERJİ SİSTEMLERİ VE CİHAZLARI SAN. TİC. A.Ş.

Head Office

Address: Cevizli Mah. Orhangazi Cad. Tınaztepe Sok. No:26 Maltepe, İstanbul/Türkiye

 +90 (216) 380 0461

 +90 (216) 380 0462

 info@escon.com.tr

Technical Services

Address: Sakarya I. Organize Sanayi Bölgesi Mah. 12. Cad. No:2/22D Arifiye, Sakarya/Türkiye

 service@escon.com.tr

Biruni Technopark

Address: Kazlıçeşme Mah. 245. Sok. No:5 Zeytinburnu, İstanbul/Türkiye

Social Media:



esconenergy