

40th Year



MIMSAN ENERGY

4440499



mimsanenergy.com



As Mimsan Energy; With 41 years of experience, we manufacture combustion and energy systems in our 40.000 m² factory.

Mimsan manufactures industrial steam boilers and superheated steam boilers up to 60 MWt per unit with Circulating Type Fluidized Bed Technology. Reducing energy costs is our main strategy. We have agricultural waste, pelletized chicken manure, forest waste, sewage sludge, municipal waste (RDF) and coal incineration systems.

Fluidized Bed Steam and Thermal Oil Boilers, Biomass Boilers, Waste Heat Boilers, Turnkey Cogeneration plants are our main production items.

We have more than 600 specialized and idealistic staff. Our products are mainly used in food, mdf, paper packaging, cement, iron and steel and textile industries.



41 Years Of Experience Since 1983
40.000 m² Confined Space



80 Engineers, 40 Technical Staff, 600 Employees



Over 100 Dealer and Service Network
Nearly 200 Solution Partners
Over 100 References

MIMSAN ENERGY



Mimsan Operates in the Field of Thermal Energy.

1983

Established as an Engineering Office



1986

First Domestic Boiler Production



1999

Domestic Boiler Serial Production



2001

Industrial Boiler Production



2007

Fluidized Bed Boiler Production



2009

Small Capacity CFB Thermal Power Plant



2008

Biomass Cogeneration Plant



2014

Medium Capacity CFB Thermal Power Plant



2018

Municipal Waste Fired Power Plant



2022

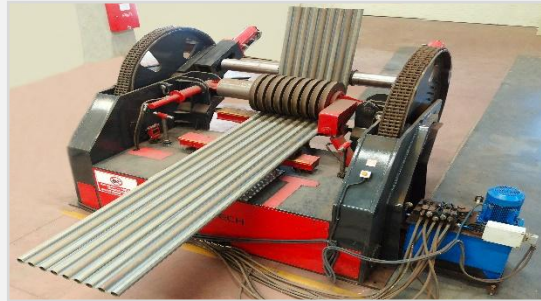
Turnkey Delivery of Turkey's Largest Biomass Power Plant **40 MWe**



GALLERY



PRODUCTION AREA



COAL FIRED FLUIDIZED BED BOILER



CIRCULATING TYPE FLUIDIZED BED STEAM BOILER



CALIK HOLDING
MALATYA / TURKEY

FUEL

DUST COAL

**STEAM
CAPACITY**

2 x 35 t/h 10 bar(g)



CIRCULATING TYPE FLUIDIZED BED STEAM BOILER

mes

MES OIL
ADANA / TURKEY

FUEL

DUST COAL

**STEAM
CAPACITY**

20 t/h 11 bar(g)



CIRCULATING TYPE FLUIDIZED BED STEAM BOILER

 seedoga

DOGA FOOD
NEVSEHIR / TURKEY

FUEL

DUST COAL

**STEAM
CAPACITY**

18 t/h 25 bar(g)



CIRCULATING TYPE FLUIDIZED BED STEAM BOILER



ZER / ABC FOOD
BURSA-AYDIN / TURKEY

FUEL

DUST COAL

**STEAM
CAPACITY**

30 t/h 14 bar(g)



CIRCULATING TYPE FLUIDIZED BED STEAM BOILER

@aytaç

AYTAÇ FOOD
CANKIRI / TURKEY

FUEL

DUST COAL

**STEAM
CAPACITY**

20 t/h 8 bar(g)



CIRCULATING TYPE FLUIDIZED BED STEAM BOILER



JNR TEXTILE
OSMANIYE / TURKEY

FUEL

DUST COAL

**STEAM
CAPACITY**

30 t/h 12 bar(g)



CIRCULATING TYPE FLUIDIZED BED STEAM BOILER

 **Lila**
KAGIT

MARMARA TEXTILE
TEKIRDAG / TURKEY

FUEL

DUST COAL

**STEAM
CAPACITY**

30 t/h 19 bar(g)



CIRCULATING TYPE FLUIDIZED BED STEAM BOILER



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çimento sanayi a.ş.

NUH CEMENT
KOCAELI / TURKEY

FUEL

DUST COAL

**STEAM
CAPACITY**

20 t/h 16 bar(g)



CIRCULATING TYPE FLUIDIZED BED STEAM BOILER



KAYSERİ ŞEKER
BOGAZLIYAN SUGAR FAC.
YOZGAT / TURKEY

FUEL

DUST COAL

**STEAM
CAPACITY**

65 t/h 8 bar(g)



CIRCULATING TYPE FLUIDIZED BED THERMAL OIL BOILER



SANKO HOLDING
GAZIANTEP / TURKEY

FUEL	DUST COAL
THERMAL CAPACITY	9,7 MWt
THERMAL OIL CAPACITY	7.800.000 kcal/h



CIRCULATION TYPE FLUIDIZED BED COMBINED BOILER

(STEAM + THERMAL OIL)



ISIL TEXTILE
TEKIRDAG / TURKEY

FUEL	DUST COAL
STEAM CAPACITY	25 t/h 10 bar(g)
THERMAL OIL CAPACITY	8.000.000 kcal/h



CIRCULATION TYPE FLUIDIZED BED COMBINED BOILER

(STEAM + THERMAL OIL)

KOZATEKSTİL

KOZA TEXTILE
GAZIANTEP / TURKEY

FUEL	DUST COAL
STEAM CAPACITY	30 t/h 10 bar(g)
THERMAL OIL CAPACITY	8.000.000 kcal/h 14.000.000 kcal/h



CIRCULATION TYPE FLUIDIZED BED COMBINED BOILER

(STEAM + THERMAL OIL)



CMS TEXTILE
KAHRAMANMARAS / TURKEY

FUEL	DUST COAL
STEAM CAPACITY	14,5 t/h 10 bar(g)
THERMAL OIL CAPACITY	7.000.000 kcal/h



CIRCULATION TYPE FLUIDIZED BED COMBINED BOILER

(STEAM + THERMAL OIL)



ARIKAN

ARIKAN TEXTILE

KAHRAMANMARAS / TURKEY

FUEL	DUST COAL
STEAM CAPACITY	15 t/h 10 bar(g)
THERMAL OIL CAPACITY	6.000.000 kcal/h



FLUIDIZED BED HOT GAS GENERATOR

**BOLU CEMENTO****BOLU CEMENT**
BOLU / TURKEY**FUEL****DUST COAL****STEAM
CAPACITY****2 x 9,7 MWth**

FLUIDIZED BED HOT GAS GENERATOR



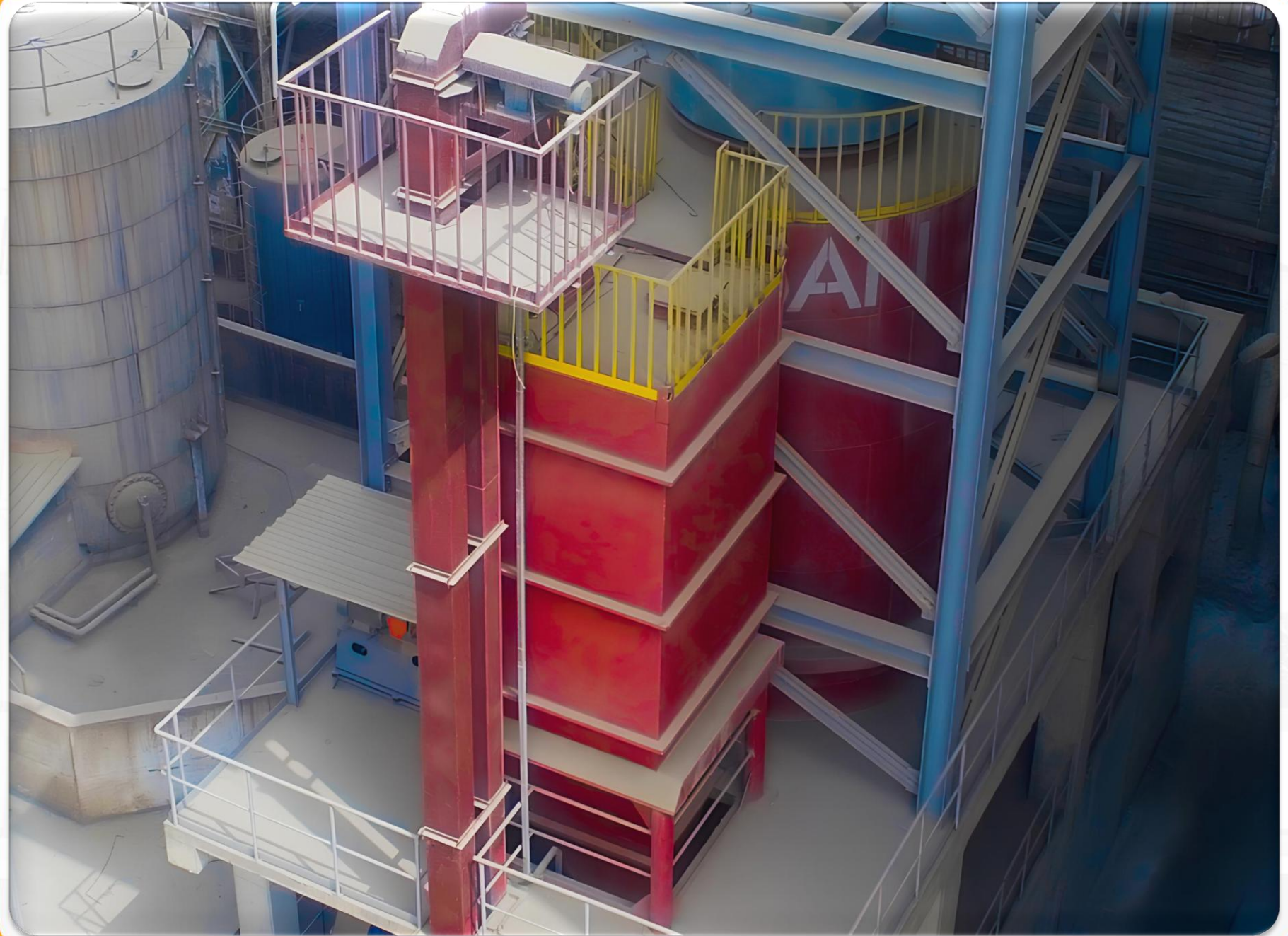
ADANA CEMENT
ADANA / TURKEY

FUEL

DUST COAL

**STEAM
CAPACITY**

2 x 9,7 MWth



FLUIDIZED BED SUPERHEATED WATER BOILER



**FERGANA DISTRICT
HEATING CENTRAL
UZBEKISTAN**

FUEL

DUST COAL

**HOT WATER
CAPACITY**

21 MWt



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FLUIDIZED BED SUPERHEATED WATER BOILER



JIZZAH DISTRICT
HEATING CENTRAL
UZBEKISTAN

FUEL

DUST COAL

HOT WATER
CAPACITY

10 MWt



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FLUIDIZED BED SUPERHEATED WATER BOILER



ANDIJAN DISTRICT
HEATING CENTRAL
UZBEKISTAN

FUEL

DUST COAL

HOT WATER
CAPACITY

21 MWt



BIOMASS FUEL POWER PLANT



FULL RANGE



RDF / MSW



CORN STALKS



COTTON STALKS



BARK



MUSTARD STRAW



PULPER REJECT



RICE HUSK



NUT SHELLS



WOODCHIPS



**TREE ROOTS
& STUMPS**



SUNFLOWER PELLETS



OLIVE POMACE



DUST COAL

BIOMASS FUEL POWER PLANT



OLTAN KOLEOGLU ENERGY
CORUM / TURKEY

FUEL	BIOMASS
STEAM CAPACITY	23 t/h 62 bar(g) 440 °C
POWER GENERATION	5 MWe



BIOMASS FUEL POWER PLANT



OLTAN KOLEOGLU ENERGY
AFYONKARAHISAR / TURKEY

FUEL	BIOMASS
STEAM CAPACITY	110 t/h 61 bar(g) 450 °C
POWER GENERATION	27 MWe



BIOMASS FUEL POWER PLANT



OLTAN KOLEOGLU ENERGY
SAMSUN / TURKEY

FUEL	BIOMASS
STEAM CAPACITY	110 t/h 61 bar(g) 450 °C
POWER GENERATION	27 MWe



BIOMASS FUEL POWER PLANT



OLTAN KOLEOGLU ENERGY
KARAMAN / TURKEY

FUEL	BIOMASS
STEAM CAPACITY	160 t/h 62 bar(g) 450 °C
POWER GENERATION	40 MWe



RDF FUEL POWER PLANT



RDF BES
MALATYA / TURKEY

FUEL	BIOMASS
STEAM CAPACITY	66 t/h 54 bar(g) 425 °C
POWER GENERATION	15,75 MWe



BIOMASS FUEL POWER PLANT



CAGLAYAN ENERGY
KIRSEHIR / TURKEY

FUEL	BIOMASS
STEAM CAPACITY	90 t/h 50 bar(g) 420 °C
POWER GENERATION	22 MWe

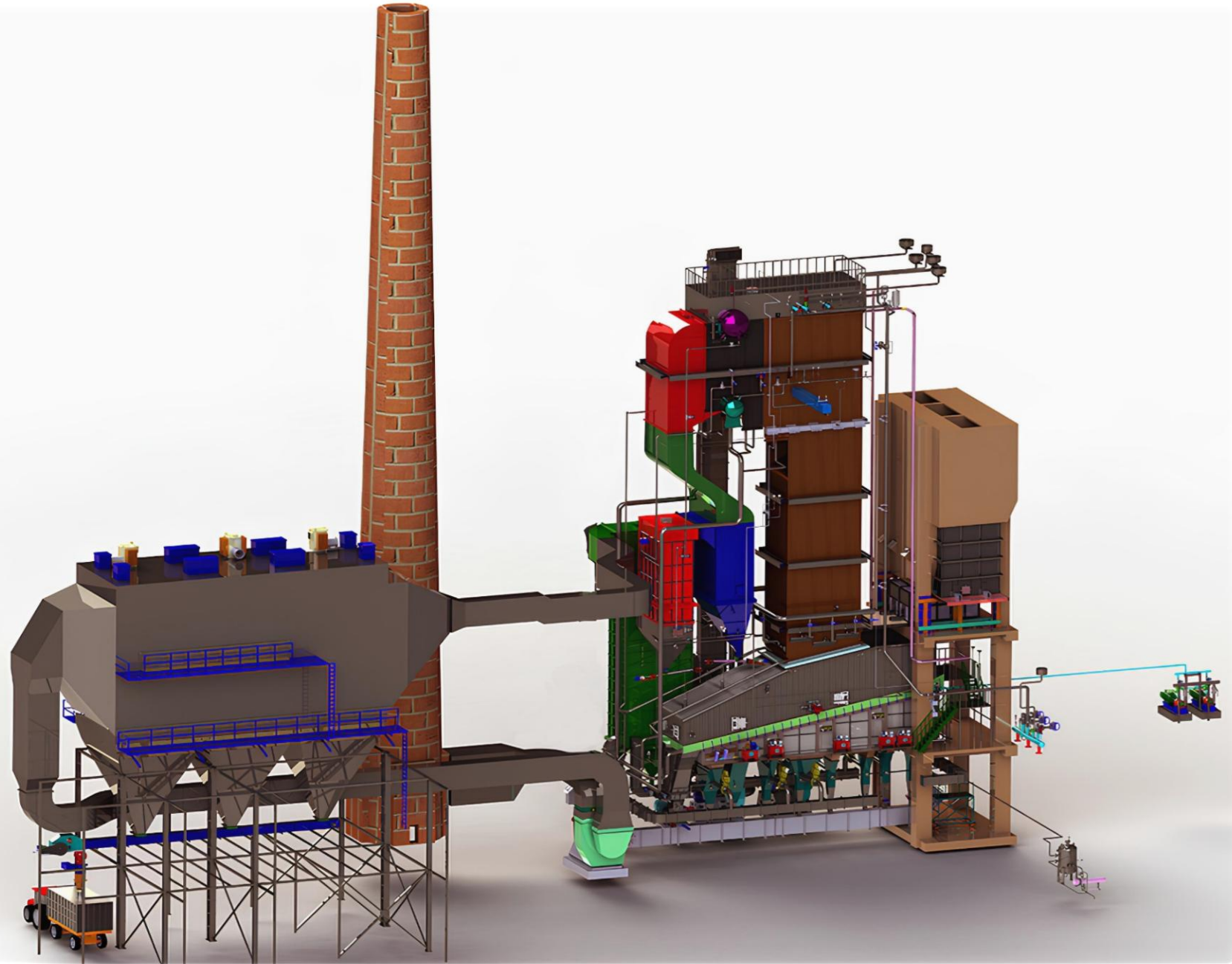


BIOMASS FUEL POWER PLANT



NATRON HAYAT
MAGLAJ / BOSNA HERSEK

FUEL	TREE BARK
STEAM CAPACITY	35 t/h 62 bar(g) 480 °C
POWER GENERATION	4 MWe



BIOMASS FUEL POWER PLANT



OYKA PAPER
ZONGULDAK / TURKEY

FUEL	TREE BARK
STEAM CAPACITY	35 t/h 59 bar(g) 480 °C
POWER GENERATION	4 MWe



MOVING GRATE THERMAL OIL BOILER



VEZİRKÖPRÜ FOREST PRO
SAMSUN / TURKEY

FUEL	BIOMASS
THERMAL OIL CAPACITY	2 x 12.790 kWt 2 x 11.000.000 kcal/h
STEAM CAPACITY	15 t/h

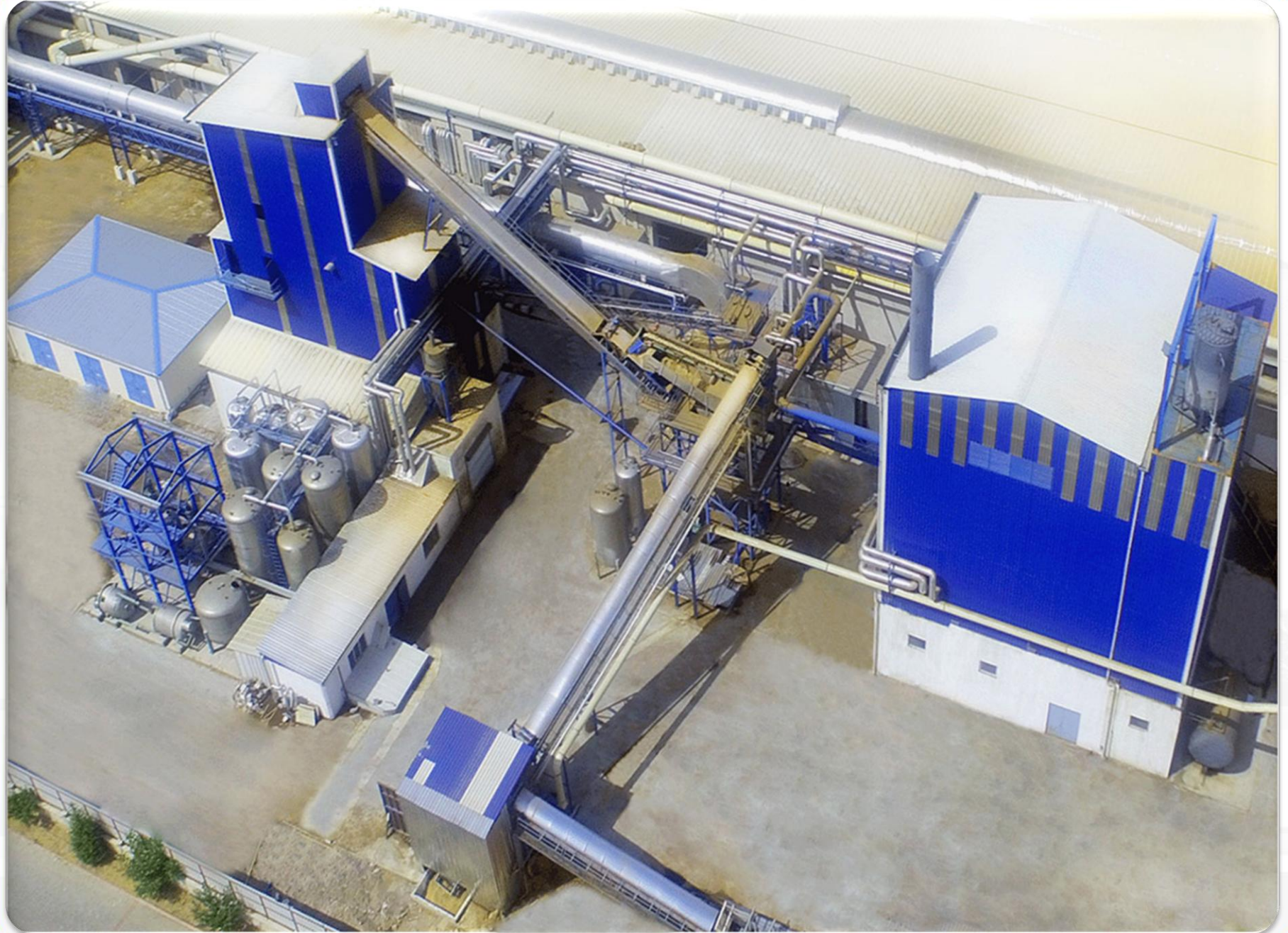


MOVING GRATE THERMAL OIL BOILER

 **beypan**
entegre

BEYPAN ORMAN ÜRÜN.
KAYSERİ / TURKEY

FUEL	BIOMASS
THERMAL OIL CAPACITY	9.300 kWt 8.000.000 kcal/h
STEAM CAPACITY	8 Ton 8 bar(g)



TREATMENT SLUDGE DISPOSAL PLANT



İNEGÖL OSB
BURSA / TURKEY

FUEL

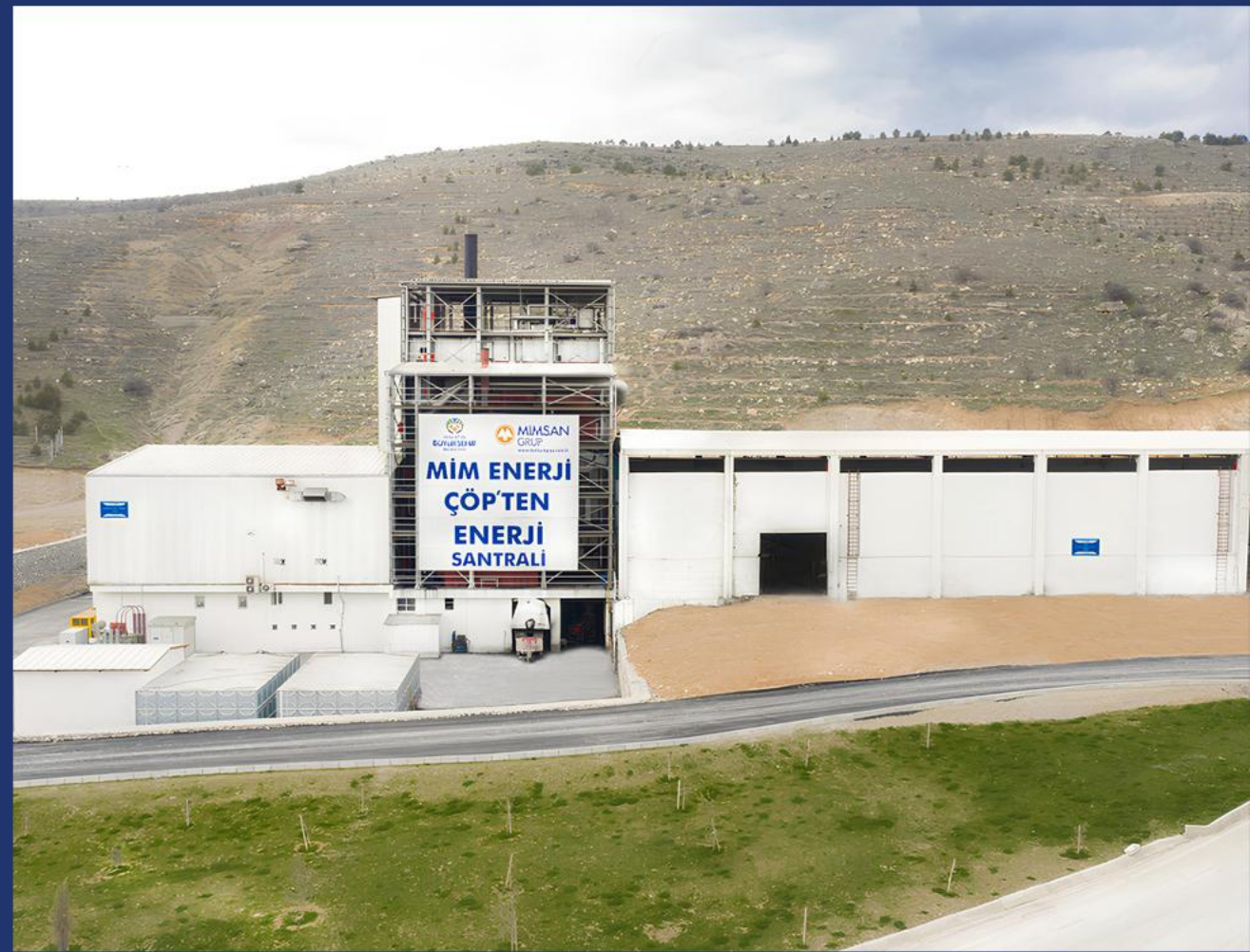
**THERMAL OIL
CAPACITY**

TREATMENT SLUDGE

**5.814 kWt
5.000.000 kcal/h**



WASTE TO ENERGY PLANT



WASTE TO ENERGY PLANT



**MALATYA METROPOLITAN
MANUCUPALITY**
MALATYA / TURKEY

FUEL

RDF

CAPACITY

4 MWe (EfW)



WASTE TO ENERGY PLANT



**TRABZON METROPOLITAN
MANUCUPALITY**
TRABZON / TURKEY

FUEL

RDF

CAPACITY

13 MWe (EfW)



WASTE TO ENERGY PLANT

CNIM
AZƏRBAYCAN**BAKU MUNICIPALITY**
BAKU / AZERBAIJAN

FUEL	MUNICIPAL WASTE
STEAM CAPACITY	90 t/h 54 bar(g) 440 °C
POWER GENERATION	22 MWe



SOLID FUEL FIRED CO-GENERATION PLANTS



SOLID FUEL FIRED COGENERATION POWER PLANT

FOOD COMPANY
ADANA / TURKEY

FUEL	DUST COAL
STEAM CAPACITY	110 t/h 61 bar(g) 480 °C
ELECTRIC GENERATION	12,5 MWe



SOLID FUEL FIRED COGENERATION POWER PLANT



ETİ BOR COAL
ESKİŞEHİR / TURKEY

FUEL	DUST COAL
STEAM CAPACITY	75 t/h 43 bar(g) 450 °C
ELECTRIC GENERATION	8,4 MWe



SOLID FUEL FIRED COGENERATION POWER PLANT



BOR ŞEKER
NİĞDE / TURKEY

FUEL	DUST COAL
STEAM CAPACITY	75 t/h 30 Bar(g) 450 °C
ELECTRIC GENERATION	8 MWe



SOLID FUEL FIRED COGENERATION POWER PLANT



KİPAŞ TEXTILE
KAHRAMANMARAŞ / TURKEY

FUEL	DUST COAL
STEAM CAPACITY	60 t/h 60 bar(g) 480 °C
ELECTRIC GENERATION	6 MWe



SOLID FUEL FIRED COGENERATION POWER PLANT



AKSA CHEMICAL
YALOVA / TURKEY

FUEL	DUST COAL
STEAM CAPACITY	420 t/h 90 bar(g) 520 °C
ELECTRIC GENERATION	100 MWe



SOLID FUEL FIRED COGENERATION POWER PLANT



PETLAS
KIRSEHIR / TURKEY

FUEL	DUST COAL
STEAM CAPACITY	2x32,5 ton/h
TURBINE INLET	38 bar(g) 450 °C
ELECTRIC GENERATION	4,5 MWe



SOLID FUEL FIRED COGENERATION POWER PLANT

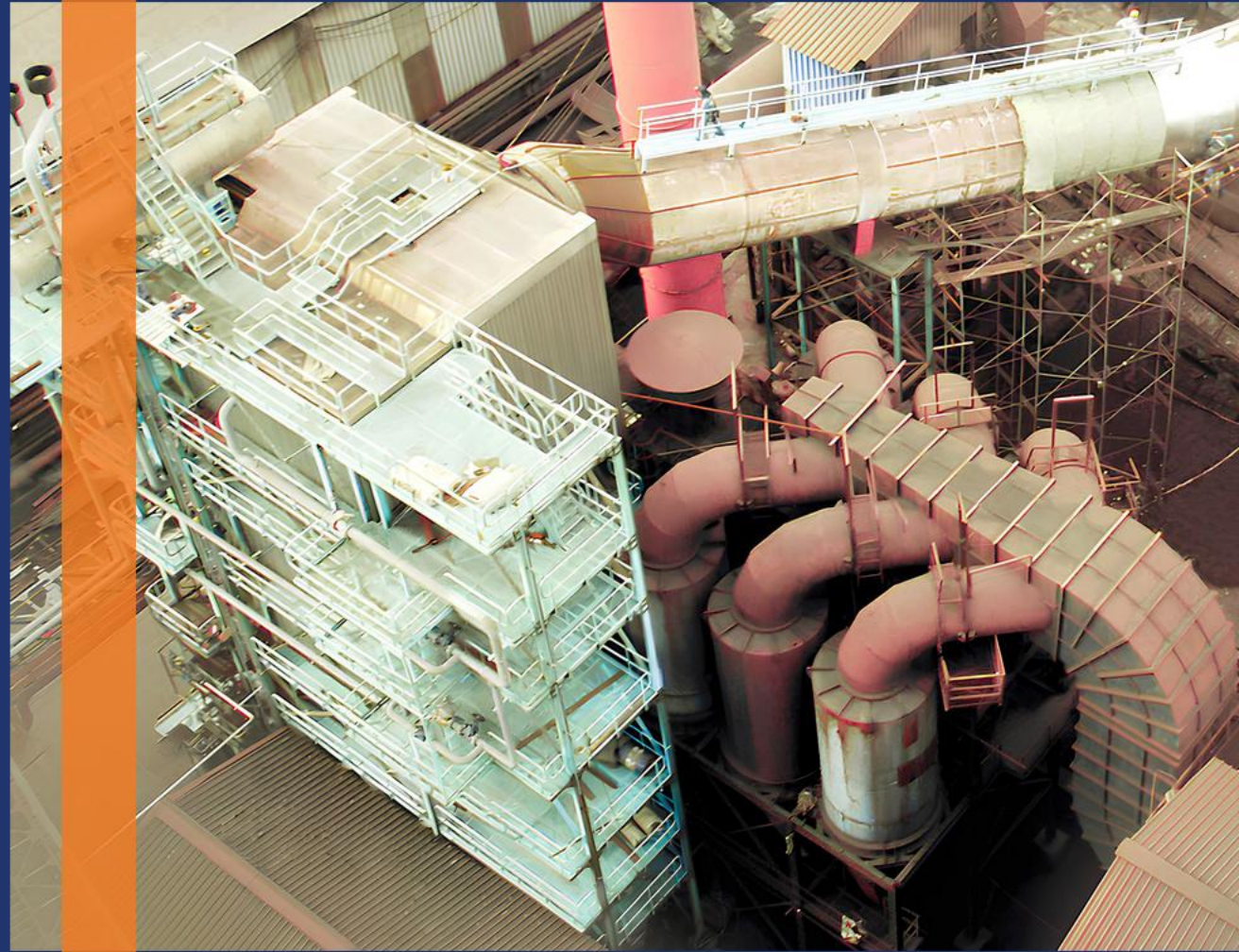


SALTİ SALT / MEDMAR
CANKIRI / TURKEY

FUEL	DUST COAL
STEAM CAPACITY	24 ton/h
TURBINE INLET	42 bar(g) 450 °C
ELECTRIC GENERATION	1,6 MWe



WASTE HEAT RECOVERY BOILERS

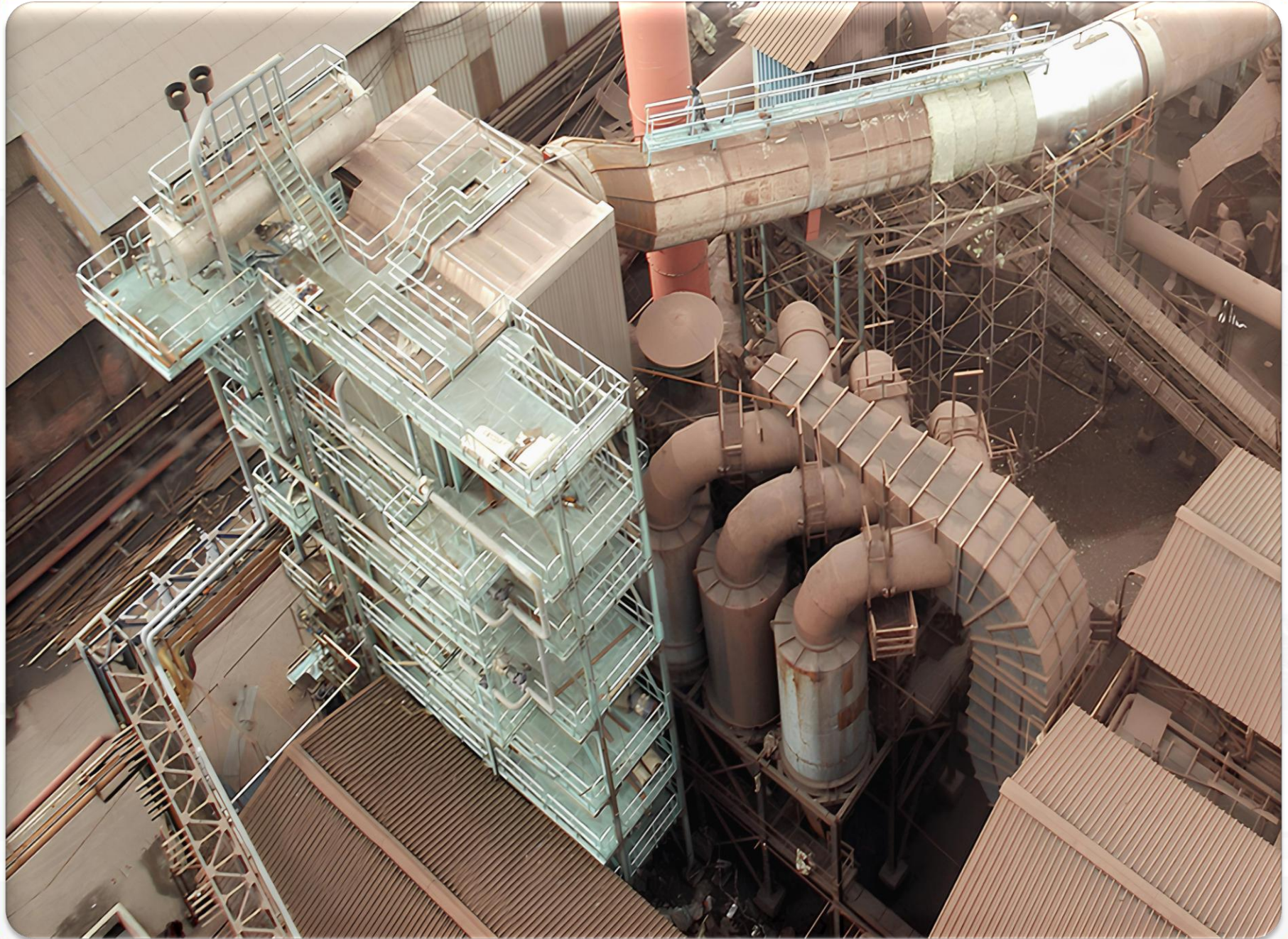


WASTE HEAT BOILER



EREGLI DEMIR CELIK
ZONGULDAK / TURKEY

WASTE GAS	300.000 Nm³/h 400 °C
STEAM CAPACITY	24 t/h 14 bar(g) 320 °C
ELECTRIC GENERATION	4,3 MWe

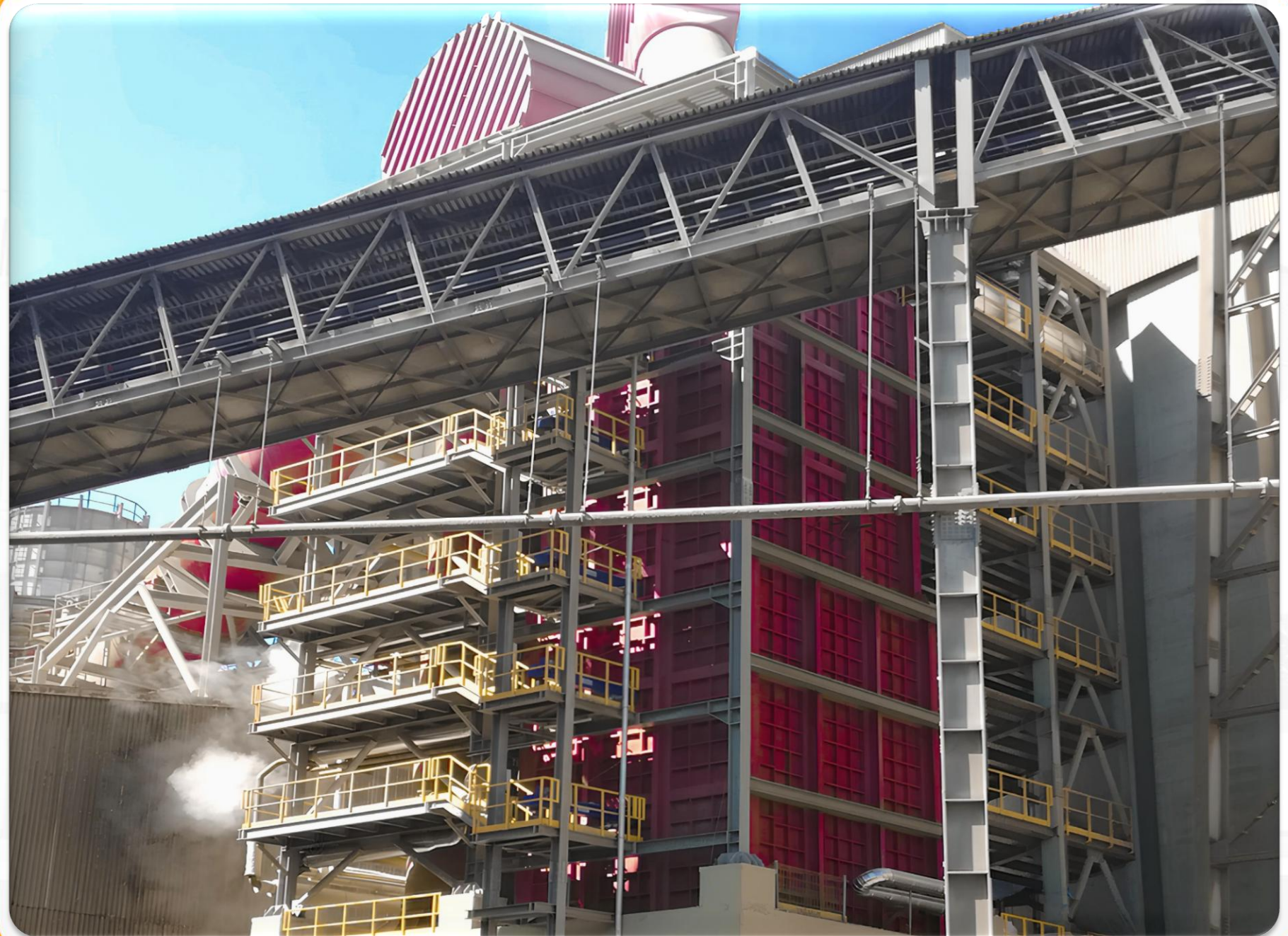


WASTE HEAT BOILER



NUH CEMENT
KOCAELI / TURKEY

WASTE GAS	280.000 Nm ³ /h 400 °C
HP STEAM CAPACITY	27 t/h 14 bar(g) 320 °C
LP STEAM CAPACITY	6 t/h 4 bar(g) 160 °C
ELECTRIC GENERATION	5,5 MWe



WASTE HEAT BOILER



MARMARA CEMENT
KOCAELI / TURKEY

WASTE GAS	310.000 Nm ³ /h
HP STEAM CAPACITY	30,5 t/h 13 bar(g) 360°C
HP STEAM CAPACITY	5,5 t/h 3 bar(g) 166°C
ELECTRIC GENERATION	6,7 MWe



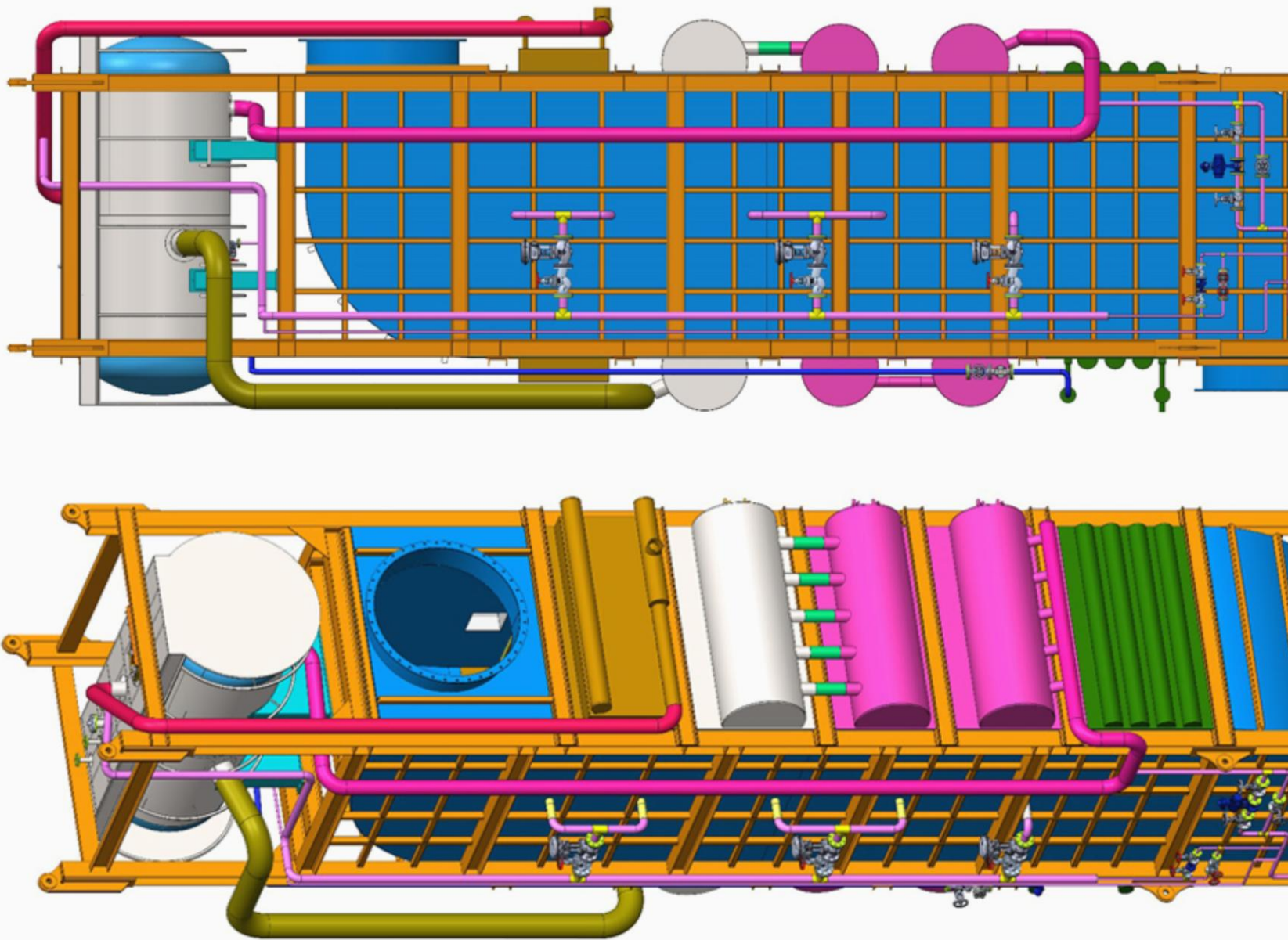
WASTE HEAT BOILER



AKSA ENERGY
TALIMARJAN / UZBEKISTAN

WASTE GAS	85.500 Nm ³ /h
STEAM CAPACITY	2 X 9.5 t/h 13.5 bar(g) 350 °C

WASTE GAS	42.300 Nm ³ /h
STEAM CAPACITY	4 X 4,2 t/h 13.5 bar(g) 350 °C



WASTE HEAT BOILER



ISKI ATAKOY ARITMA
KOCAELI / TURKEY

WASTE GAS	68.760 kg/h 509 °C
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THERMAL CAPACITY	2x6.395 kWt 2x5.500.000 kcal/h
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LIQUID AND GAS FUEL BOILERS



BIOGAS/NATURAL GAS FUEL THERMAL OIL BOILER



ISKI ATAKOY ARITMA
KOCAELİ / TURKEY

FUEL

**BIOGAS
NATURAL GAS**

**THERMAL
OIL
CAPACITY**

**4 x 12 MWt
4 x 10.320.000 kcal/h**



D TYPE WATER TUBE BOILER



CIRCIK DISTRICT
HEATING CENTRAL
CIRCIK / UZBEKISTAN

FUEL

NATURAL GAS

HOT WATER
CAPACITY

3x25 MWth



D TYPE WATER TUBE BOILER



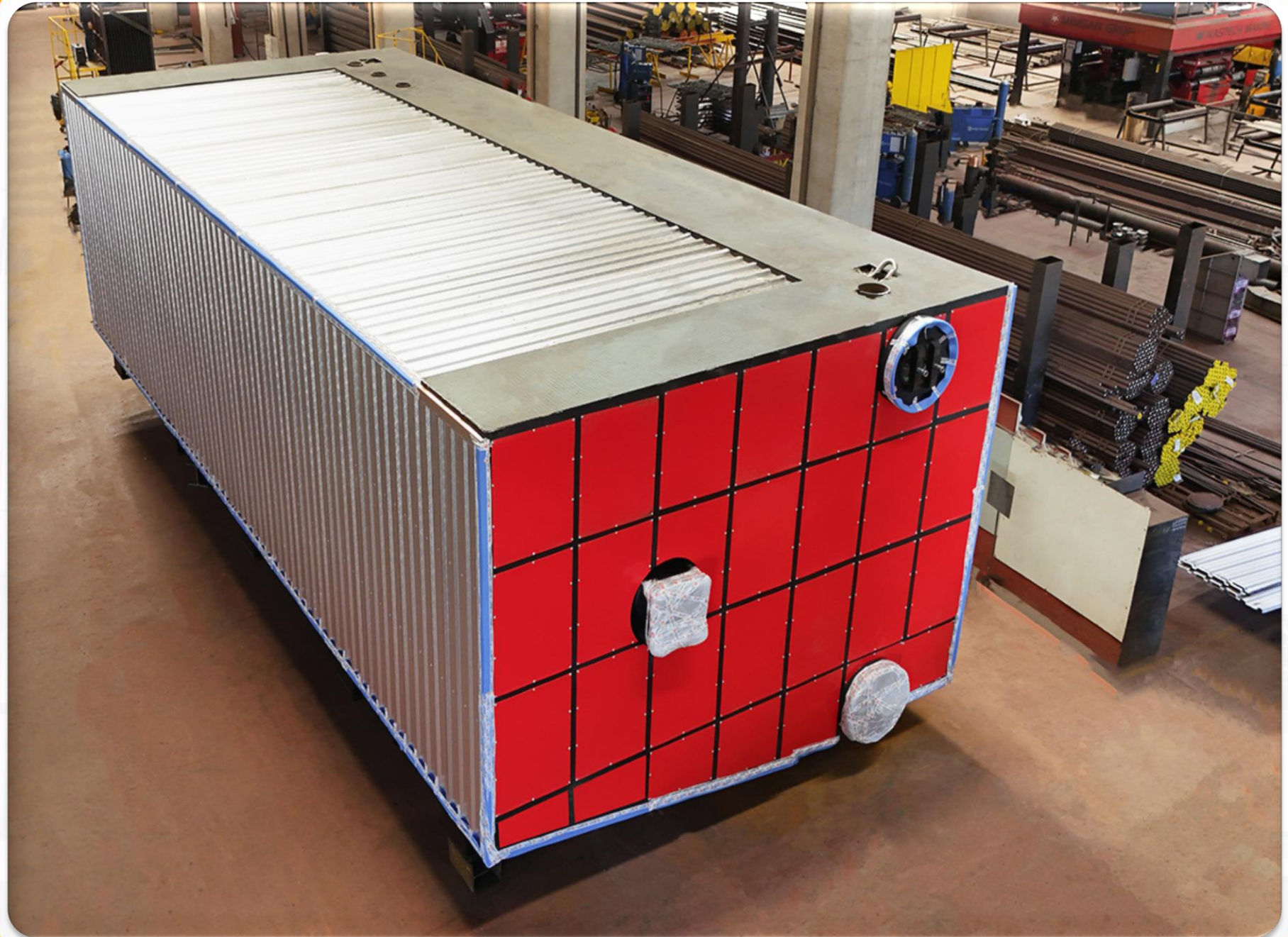
KYZYLORDA / KAZAKISTAN

FUEL

LIQUID FUEL

STEAM
CAPACITY

4 x 45 MWt



D TYPE WATER TUBE BOILER

petlas

KIRSEHIR / TURKEY

FUEL

LIQUID FUEL

**STEAM
CAPACITY**

35 t/h 18 bar(g) 250 °C



D TYPE WATER TUBE BOILER

AQUAKRAFT

AQUAKRAFT PAPER
SAKARYA / TURKEY

FUEL

NATURAL GAS

STEAM
CAPACITY

100 t/h 12 bar(g) 200 °C



D TYPE WATER TUBE BOILER

ENKA

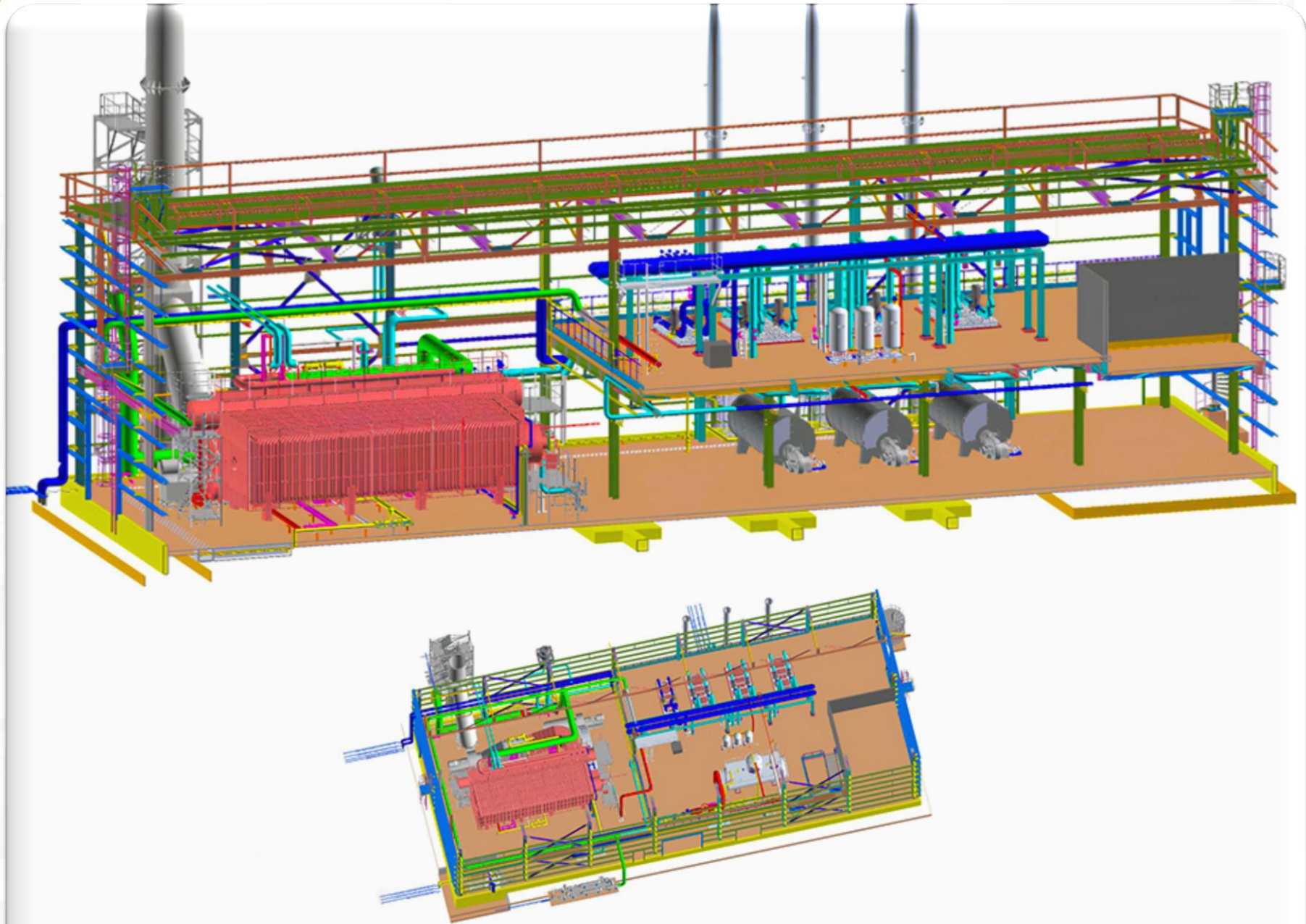
KIRKLARELI / TURKEY

FUEL

NATURAL GAS

**STEAM
CAPACITY**

56 t/h 11 bar(g) 250 °C



D TYPE WATER TUBE BOILER

KOZATEKSTİL

KOZA TEXTILE
GAZİANTEP / TURKEY

FUEL

LIQUID FUEL

**STEAM
CAPACITY**

30 t/h 26 bar(g) °C



STEAMPACK STEAM PLANT

HIVE
TRIGENERATION
SYSTEM
UZBEKISTAN

FUEL

NATURAL GAS

STEAM
CAPACITY

5 Ton 8 Bar 180 °C



SMOKE TUBE SCOTCH TYPE STEAM BOILER



TORAMAN TEXTILE
TEKIRDAG / TURKEY

FUEL

NATURAL GAS

**STEAM
CAPACITY**

15 t/h 10 bar(g)



SMOKE TUBE SCOTCH TYPE STEAM BOILER



TURHAL SUGAR FACTORY
TOKAT / TURKEY

FUEL

NATURAL GAS

**STEAM
CAPACITY**

16 t/h 12 bar(g)



SMOKE TUBE SCOTCH TYPE STEAM BOILER

CNR Gazbeton

CINARLAR CONCRATE
MALATYA / TURKEY

FUEL

NATURAL GAS

**STEAM
CAPACITY**

18 t/h 16 bar(g)



ELECTROSTATIC PRECIPITATOR

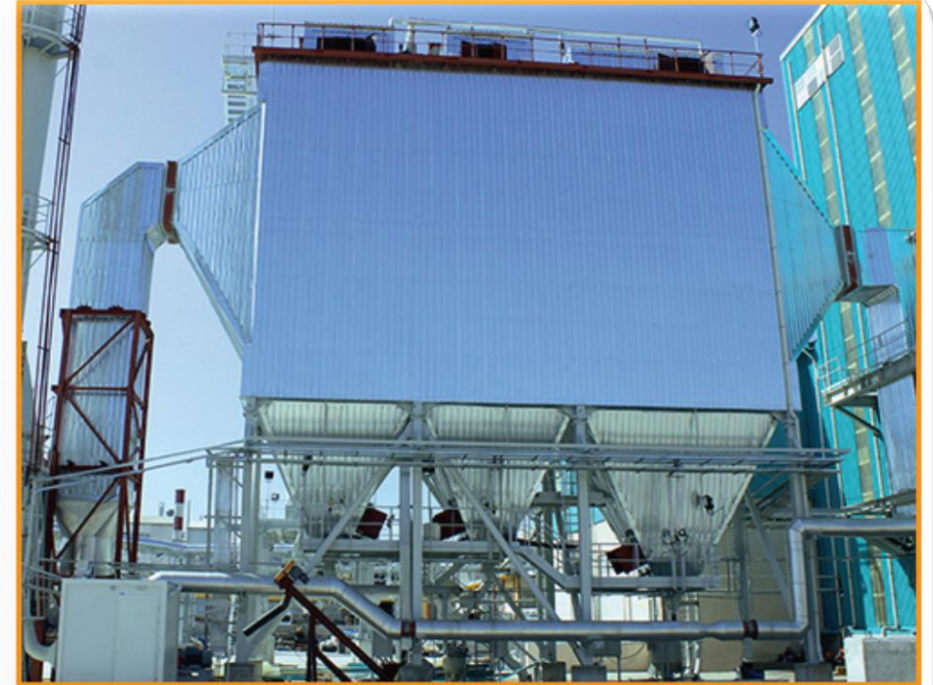
The electrostatic chimney filter works on the principle of static electricity. The force that is effective in the retention of dust in the electrostatic filter is the electric force and since this force acts only on the dust particle, pressure losses are very low compared to other dust filtering systems.

There are 3 main steps to filter the dust in the electrostatic filter.

- 1- Electrically charging and directing the ionized particles towards the collection surface with the effect of electrical velocity
- 2- Periodically rapping the dust accumulated on the collection surface and pouring it into the dust collection bunker.
- 3- Transferring the dust accumulated in the bunker

**ELECTROSTATIC
FILTER EFFICIENCY**

%99,5



40th Year



MiMSAN ENERGY

FACTORY

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