DEHA TECH

WASTE TO ENERGY

PRESENTATION

GENIUS SOLUTIONS FOR INDUSTRIAL PROJECTS

Deha Tech Group and Hitachi Zosen Inova have broken new ground with the construction of Istanbul's first waste-to-energy project

www.dehatech.com

ABOUT DEHA TECH

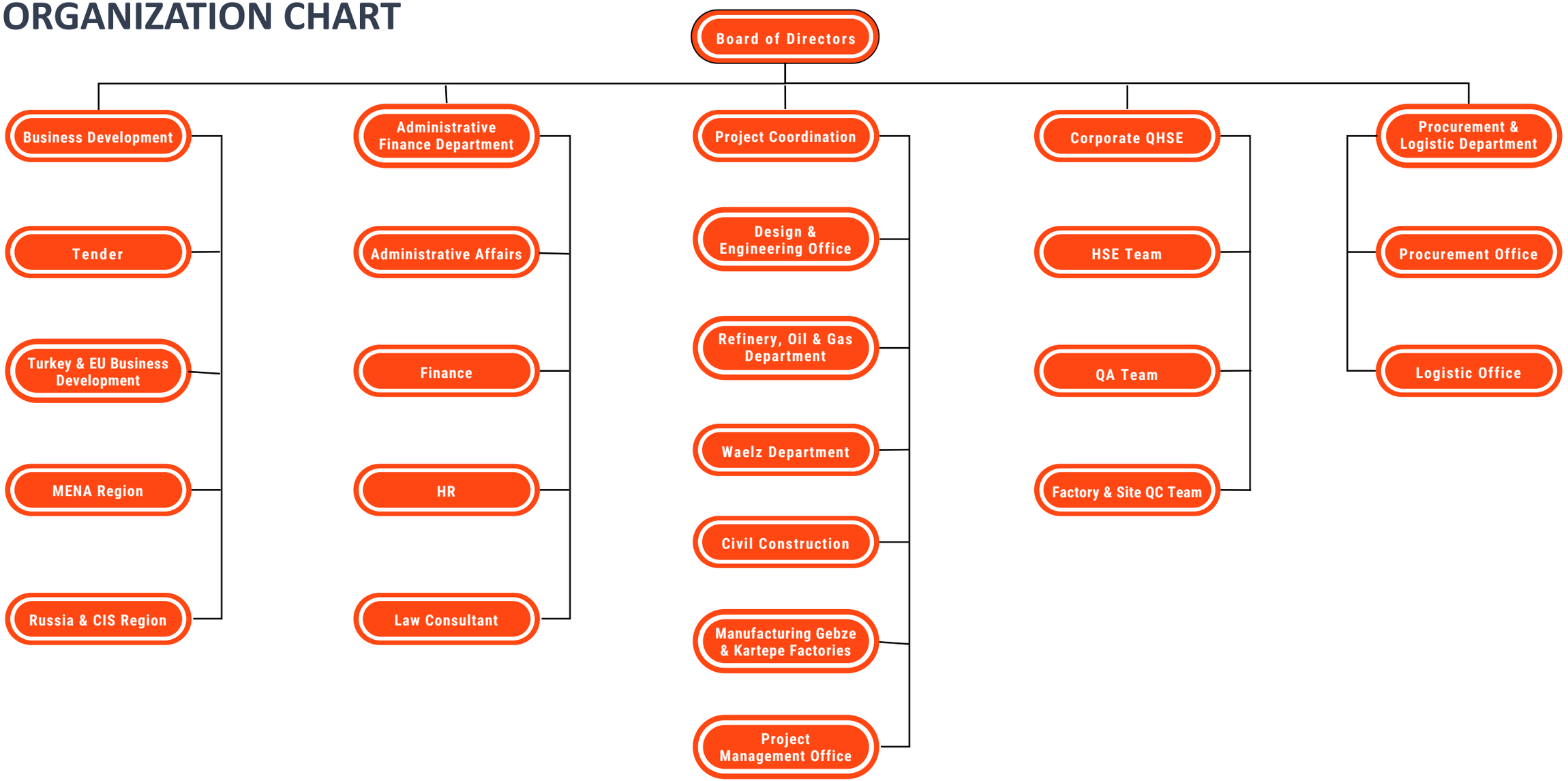
Deha Tech is an International acting EPC (Engineering, Procurement and Construction) Company committed to obtain the highest standard of client satisfaction and providing long-term business relations with its clients. Since 2009 we're proud to have completed more than 100 projects and work every day to be a global partner with the promise of excellence.

We offer services in the fields of design & engineering, procurement & logistic, fabrication, construction, and commissioning for various industries

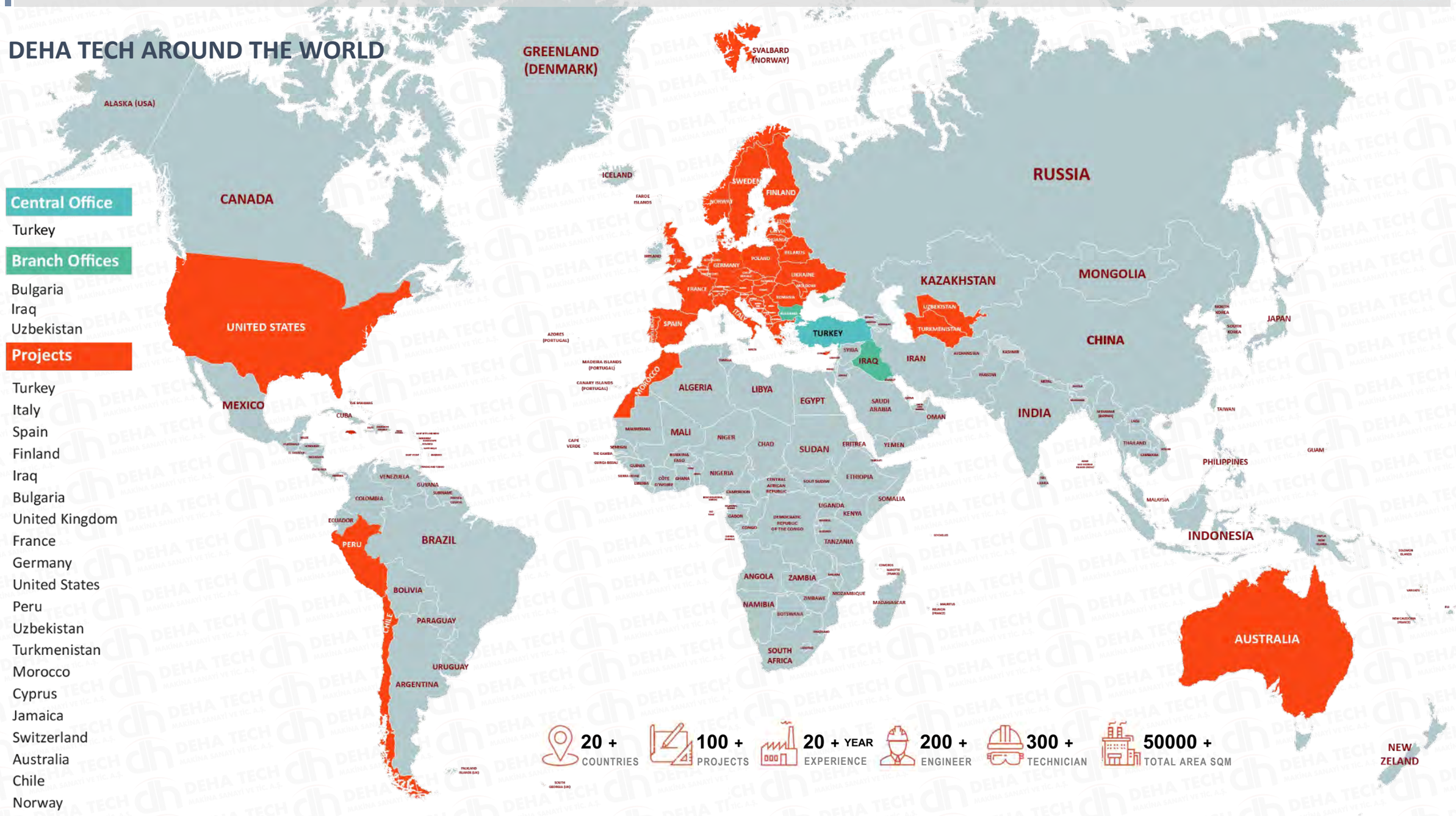
Deha Tech is always improving its know-how, rich human resources and capacity. Making use of its values and capabilities today, Deha Tech has turned into a leading international EPC contractor.

On behalf of the company's board of directors, executives, employees, and subsidiaries, we would like to thank all our clients, partners, business allies to rely on us and support our business all along.

ORGANIZATION CHART



DEHA TECH AROUND THE WORLD



Central Office

Turkey

Branch Offices

Bulgaria
Iraq
Uzbekistan

Projects

Turkey
Italy
Spain
Finland
Iraq
Bulgaria
United Kingdom
France
Germany
United States
Peru
Uzbekistan
Turkmenistan
Morocco
Cyprus
Jamaica
Switzerland
Australia
Chile
Norway

20 + COUNTRIES

100 + PROJECTS

20 + YEAR EXPERIENCE

200 + ENGINEER

300 + TECHNICIAN

50000 + TOTAL AREA SQM

QUALITY POLICY

Deha Tech minimizes accidents by preventing the possibility of an accident at its source during all of its activities and makes an effort to prevent occupational diseases.

Deha Tech provides consultancy and participation to OHS activities with the awareness that all subcontractors, visitors and employees are responsible for their own safety in order to achieve the targets for occupational health and safety of all employees.

Seeing as the most important priority of applicable Occupational Health & Safety Legislation and to comply with the terms of Membership Organizations, Hazard & Risk assessment, identifying existing hazards and risks and to provide possible protection, activities and products are brought into an integral commitment, work environment and occupational Health & Continuous improvement in safety practices adopted as policy.

Deha Tech provides customer satisfaction with Quality, Price and On-time Delivery. Quality is the first principle of DEHA TECH. Our Quality System is certified in under the requirements of EN ISO 9001 standard.

ENVIRONMENTAL POLICY

Deha Tech works in an environmentally and friendly way without harming the environment with its works and manufacturing methods in its sector and activity fields.

Deha Tech is aware of its responsibilities regarding the efficient use of the limited resources of the environment and the earth we live in.

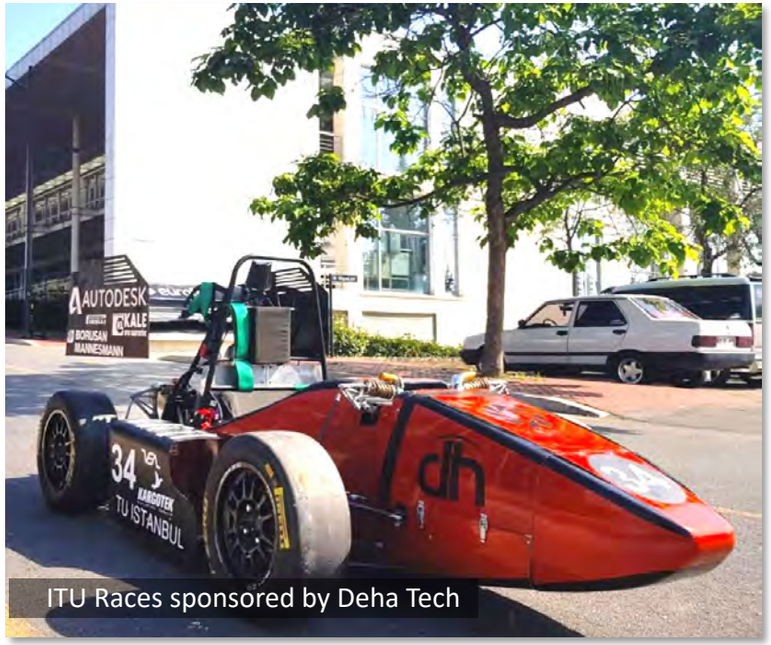
We adopt to be respectful to the environment in its activities and comply with the legal regulations regarding the environment.

Rights / Responsibility / Aim

As Deha Tech, we believe and follow all that social responsibility projects are part of the criteria of sustainability.

SOCIAL RESPONSIBILITY

As part of its sustainability approach, Deha Tech has planned its studies on **Education**, Art, Nature and Environment, Employment, of Women and Youth, Animal Rights and will share it in the near future



ITU Races sponsored by Deha Tech

WE'RE PROUD OF OUR SAFETY, INTEGRITY, TEAMWORK AND EXCELLENCE COMMITMENT

SUSTAINABILITY

The importance of every drop in water management

Collection and classification of waste at source at solid waste management

The contribution of shared decision-making, training and participation in our processes to our productivity principle

Our belief in the contribution of women and youth

We give priority to education with the awareness that there are no limits in personal development.

ITU Races sponsored by Deha Tech

Social Approach

Environment

Management

OCCUPATIONAL HEALTH AND SAFETY

Our priority is to maintain the health and safety of our employees and public, to minimise the environmental impact associated with our activities.

Working at Deha Tech means becoming a part of energetic team committed to obtain objectives in international conditions.

We ensure that Deha Tech Group Companies have effective occupational health and safety systems to generate customer confidence and protecting employees.

SAFETY FIRST

We ensure that organizations have effective occupational health and safety systems in place to protect employees

- Think Safe
- Act Safe
- Stay Safe

OUR CERTIFICATES

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EXC - 4 CERTIFICATED

AD-2000
MERKBLATT
HP 0

PED 2014/68/EU

ISO 9001:2015

ISO 14001:2015

ISO 45001:2018

ISO 27001:2022

BUSINESS PARTNERS

CLYDE BERGEMANN

Imtech

Hitachi Zosen INOVA

SIEMENS

GE

ENERCON ENERGIE FÜR DIE WELT

dalkia GROUPE EDF

LIST OF DEHA TECH ENERGY FROM WASTE PROJECTS

DEHA TECH
GENIUS SOLUTIONS

COUNTRY	PROJECT NAME	SCOPE	CLIENT	SERVICE	STATUS	YEAR
England	Riverside 2	6 Units Ram Type Bottom Ash Extractor	Hitachi Zosen Inova	Fabrication	On Going	2024
England	Riverside 1	Furnace Door, Grate Service Bridge	Hitachi Zosen Inova	Fabrication	On Going	2024
England	Rivenhall IWMF	Boiler Non Pressure Parts, Hoopers- H-pass	Hitachi Zosen Inova	Fabrication	On Going	2023
England	Rivenhall IWMF	FGT Plate Work Bent Fabrication	Hitachi Zosen Inova	Fabrication	On Going	2024
England	Rivenhall IWMF	Furnace Door, Grate Service Bridge	Hitachi Zosen Inova	Manufacture	On Going	2023
England	Westfield Energy Recovery	Plate Work Bent-Common Engineering, Procurement, Fabricition	Hitachi Zosen Inova	Fabrication	On Going	2023
England	North London Heat and Power Project	Furnace Door and Grate Service Bridge Fabrication, Engineering, Procurement	Hitachi Zosen Inova	Fabrication	On Going	2023
England	Energy from Waste Plants	Ram Type Bottom Ash Extractor and Silos Furnace Doors Fabrication, Engineering,Procurement	Hitachi Zosen Inova	Fabrication	Completed	2022
Australia	Rockingham Energy from Waste Plant	Duct Engineering ,Procurement, Fabrication	Hitachi Zosen Inova	Fabrication	Completed	2022
England	Slough Multifuel, Energy from Waste Plant	Furnace Door, Grate Service Bridge and Mounting Aid to Service Bridge Fabrication incl.Engineering, Procurement, Corrosion Protection, Functional Test, Packing & Labeling,	Hitachi Zosen Inova	Fabrication	Completed	2022
England	Slough Multifuel, Energy from Waste Plant	Bottom Ash Chute Line 1 & 2 Procurement, Engineering, Fabrication,	Hitachi Zosen Inova	Fabrication	Completed	2022
England	IVRY II Energy from Waste Plant	Fabrication, Engineering, Procurement Boiler Acc. Maintenance Console	Hitachi Zosen Inova	Fabrication	Completed	2022
Turkey	Istanbul Energy From Waste Power Plant	Fabrication, Engineering, Procurement, SA Nozzle Modification	Hitachi Zosen Inova	Fabrication	Completed	2022

LIST OF DEHA TECH ENERGY FROM WASTE PROJECTS

DEHA TECH
GENIUS SOLUTIONS

COUNTRY	PROJECT NAME	SCOPE	CLIENT	SERVICE	STATUS	YEAR
Switzerland	SNCR Nozzles for EfW Spares	Fabrication, Procurement	Hitachi Zosen Inova	Fabrication	On Going	2023
Turkey	Istanbul Energy From Waste Power Plant	Waste Bunker Water Discharge Casing Engineering, Procurement, Fabrication	Hitachi Zosen Inova	Fabrication	On Going	2023
England	North London Heat and Power Project	Bottom Ash Chute	Hitachi Zosen Inova	Fabrication	On Going	2023
England	North London Heat and Power Project	Grate riddlings Plate Works	Hitachi Zosen Inova	Fabrication	On Going	2023
England	North London Heat and Power Project	Feed Hopper	Hitachi Zosen Inova	Fabrication	On Going	2023
England	Westfield Energy Recoery	Furnace Doors & Grate Service Bridge	Hitachi Zosen Inova	Fabrication	On Going	2023
England	Skelton Grange Energy From Waste Plant	Boiler Non-pressure Parts	Hitachi Zosen Inova	Fabrication	On Going	2025
Turkey	Istanbul Energy From Waste Power Plant	Boiler Bypass Duct for Grate	Hitachi Zosen Inova	Fabrication	On Going	2022
England	Westfield Energy Recoery	Ram Type Bottom Ash Extractor Slide Gate	Hitachi Zosen Inova	Fabrication	On Going	2023
England	Skelton Grange Energy From Waste Plant	Furnace Door Grate Service Bridge	Hitachi Zosen Inova	Fabrication	On Going	2023
England	Slough Multifuel, Energy from Waste Plant	CaOH2 Silo, Residue Silo, PAC Silo	Hitachi Zosen Inova	Fabrication	On Going	2024
U.A.E	Dubai, UAE Energy From Waste Project	Furnace Door, Grate Service Bridge, Mobile Air Canon	Hitachi Zosen Inova	Engineering, Procurement Manufacturing	On Going	2022
Switzerland	Kebag Enova Emmensptiz Energy From Waste Plant	Manufacturing of Boiler Non-Pressure Parts	Hitachi Zosen Inova	Procurement Manufacturing	On Going	2022
England	Slough Multifuel, Energy from Waste Plant	Feed Hopper, Grate Riddlings Plate Work, Bottom Ash Chute	Hitachi Zosen Inova	Fabrication	On Going	2022

LIST OF DEHA TECH ENERGY FROM WASTE PROJECTS

DEHA TECH
GENIUS SOLUTIONS

COUNTRY	PROJECT NAME	SCOPE	CLIENT	SERVICE	STATUS	YEAR
Switzerland	SNCR Nozzles for EfW Spares	Fabrication, Procurement	Hitachi Zosen Inova	Fabrication	On Going	2023
Turkey	Istanbul Energy From Waste Power Plant	Waste Bunker Water Discharge Casing Engineering, Procurement, Fabrication	Hitachi Zosen Inova	Fabrication	On Going	2023
England	North London Heat and Power Project	Bottom Ash Chute	Hitachi Zosen Inova	Fabrication	On Going	2023
England	North London Heat and Power Project	Grate riddlings Plate Works	Hitachi Zosen Inova	Fabrication	On Going	2023
England	North London Heat and Power Project	Feed Hopper	Hitachi Zosen Inova	Fabrication	On Going	2023
England	Westfield Energy Recoery	Furnace Doors & Grate Service Bridge	Hitachi Zosen Inova	Fabrication	On Going	2023
England	Skelton Grange Energy From Waste Plant	Boiler Non-pressure Parts	Hitachi Zosen Inova	Fabrication	On Going	2025
Turkey	Istanbul Energy From Waste Power Plant	Boiler Bypass Duct for Grate	Hitachi Zosen Inova	Fabrication	On Going	2022
England	Westfield Energy Recoery	Ram Type Bottom Ash Extractor Slide Gate	Hitachi Zosen Inova	Fabrication	On Going	2023
England	Skelton Grange Energy From Waste Plant	Furnace Door Grate Service Bridge	Hitachi Zosen Inova	Fabrication	On Going	2023
England	Slough Multifuel, Energy from Waste Plant	CaOH2 Silo, Residue Silo, PAC Silo	Hitachi Zosen Inova	Fabrication	On Going	2024
U.A.E	Dubai, UAE Energy From Waste Project	Furnace Door, Grate Service Bridge, Mobile Air Canon	Hitachi Zosen Inova	Engineering, Procurement Manufacturing	On Going	2022
Switzerland	Kebag Enova Emmensptiz Energy From Waste Plant	Manufacturing of Boiler Non-Pressure Parts	Hitachi Zosen Inova	Procurement Manufacturing	On Going	2022
England	Slough Multifuel, Energy from Waste Plant	Feed Hopper, Grate Riddlings Plate Work, Bottom Ash Chute	Hitachi Zosen Inova	Fabrication	On Going	2022

LIST OF DEHA TECH ENERGY FROM WASTE PROJECTS

DEHA TECH
GENIUS SOLUTIONS

COUNTRY	PROJECT NAME	SCOPE	CLIENT	SERVICE	STATUS	YEAR
England	Rookery Energy from Waste Power Plant	Fabrication of Furnace Door and Grate Service Bridge	Hitachi Zosen Inova	Fabrication	Completed	2020
France	IVRY II Energy from Waste Power Plant	Fabrication of Furnace Door And Grate Service Bridge	Hitachi Zosen Inova	Fabrication	Completed	2023
France	IVRY II Energy from Waste Power Plant	Fabrication Of 2 Nos. Feed Hopper	Hitachi Zosen Inova	Fabrication	Completed	2020
France	IVRY II Energy from Waste Power Plant	Supply and Fabrication of Boiler Non-Presure Part	Hitachi Zosen Inova	Fabrication	Completed	2020
France	IVRY II Energy from Waste Power Plant	Supply and Fabrication of Combustion Air Duct	Hitachi Zosen Inova	Fabrication	Completed	2020
France	IVRY II Energy from Waste Power Plant	Bottom Ash Chute & Grate Riddling removal works	Hitachi Zosen Inova	Fabrication	Completed	2020
Russia	Moscow Energy from Waste Plant	Supply Of 6 Nos. Ram Type Bottom Ash Extractors	Hitachi Zosen Inova	Fabrication	Completed	2021
Russia	Moscow 2 Energy from Waste Plant	Supply Of 6 Nos. Ram Type Bottom Ash Extractors	Hitachi Zosen Inova	Fabrication	Completed	2021
Russia	Moscow 1 Energy from Waste Plant	Supply Of 6 Nos. Ram Type Bottom Ash Extractors	Hitachi Zosen Inova	Fabrication	Completed	2021
France	IVRY II Energy from Waste Power Plant	Supply and Manufacturing of 4 Nos Bottom Ash Extractor, 4 Nos Slide Gate	Hitachi Zosen Inova	Fabrication	Completed	2020
Germany	Bottom Ash Extractor	Bottom Ash Extractor Fabrication	Hitachi Zosen Inova	Fabrication	Completed	2020
England	Rookery Energy from Waste Power Plant	Additive Ca(OH)2 (lime) Silo, Silo(PAC), CaO Silo, Residue Silo	Hitachi Zosen Inova	Fabrication	Completed	2020
England	Rookery Energy from Waste Power Plant	FEED Hopper, Bottom Ash Extractor	Hitachi Zosen Inova	Fabrication	Completed	2019
Turkey	Istanbul Energy From Waste Power Plant	FEED Hopper, Bottom Ash Chute, Grate Riddling Boiler Non Pressure Parts, Silos	Hitachi Zosen Inova	Fabrication	Completed	2022

ENERGY FROM WASTE PLANT, ISTANBUL / TURKEY

Project Name	Energy from Waste Power Plant
Place	İstanbul / Turkey
Customer	Hitachi Zosen Inova
Subcontractor	Deha Tech
Service	Fabrication, Engineering, Procurement, SA Nozzle Modification
Scope	FEED Hopper Bottom Ash Chute, Grate Riddling Boiler Non Pressure Parts Silos Boiler Bypass Duct for Grate

Project Start Date Jun 2018 **Finish Date** May 2022

Waste to Energy: Istanbul's Contribution to Reducing Global CO_2 Emissions

ENERGY FROM WASTE PROJECT, ISTANBUL / TURKEY

DEHA TECH
GENIUS SOLUTIONS

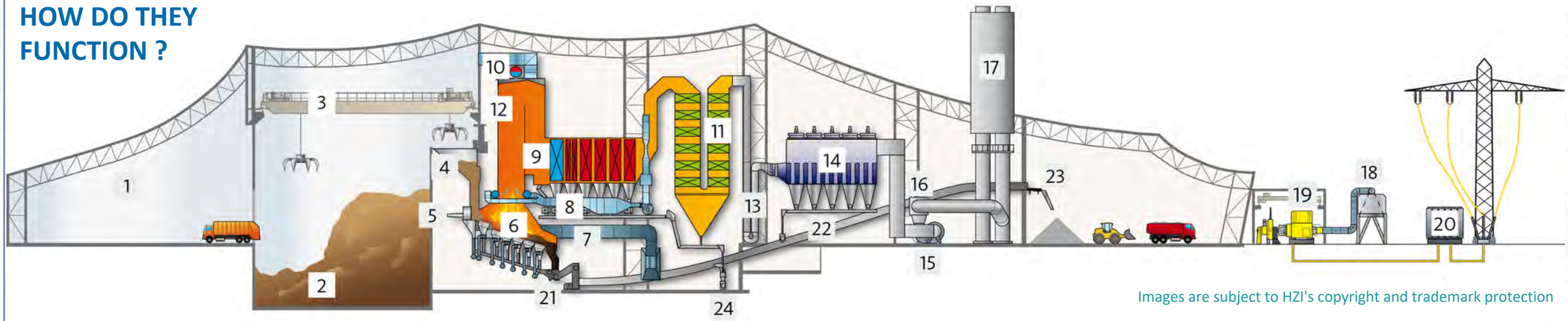
Istanbul Waste to Energy Plant Recovery	
Type	Extraction Condensing Turbine
Electric Power	77 MW at 100%
Annual Capacity	1,000,000 t/a
Type of Waste	Municipal Solid Waste

With A Capacity Of 1 Mio T/A This Is The Largest Turnkey Project Ever Awarded In Europe

Deha Tech Group and Hitachi Zosen Inova have broken new ground with the construction of Istanbul's first waste-to-energy project

TYPICAL WASTE TO ENERGY PLANT SCHEME

HOW DO THEY FUNCTION ?



Waste Receiving and Storage

1 Tipping hall
2 Waste bunker
3 Waste crane

Combustion and Boiler

4 Feed hopper
5 Ram feeder
6 HZI grate
7 Primary air system
8 Secondary air system
9 Five-pass boiler
10 Boiler drum
11 Economiser

Flue Gas Treatment

12 SNCR
13 Xerosorp® Reactor
14 Fabric filter
15 Induced draught fan
16 Silencer
17 Stack

Energy Recovery

18 Air cooled condenser
19 Turbine
20 Transformer

Residue Handling and Treatment

21 Bottom ash extractor
22 Bottom ash conveying
23 Bottom ash discharge
24 Fly ash discharge

Most of the EfW plants can be considered as mass burn facilities.

They are often very large plants, as this is a process which works best on large scale. The aim is to achieve high rate of efficiency with capturing the energy with a low volume of by-products. There are many systems with varying complexities and technologies, but they all work on the same principles.

When waste arrives at the facility, it is first stored in large bunkers, and then transferred from the bunkers to a chute leading to a moving grate in the furnace, where it is burned at over 850 ˚C for approximately 2 seconds, to make sure all of the waste is burned completely. The heat from the furnace heats water in a boiler, creating steam that turns a turbine to drive a generator that makes electricity. The electricity then enters the grid. In Europe, some plants combine electricity generation

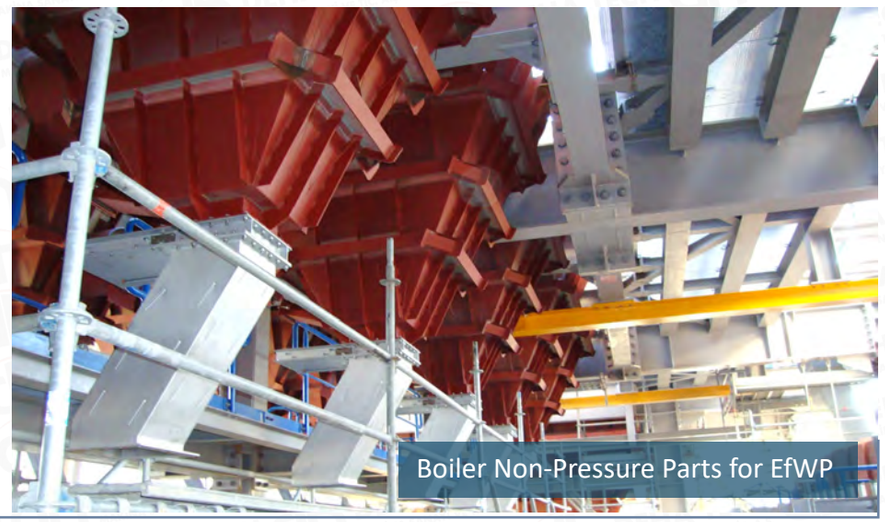
ENERGY FROM WASTE PLANT, ISTANBUL / TURKEY

ENERGY FROM WASTE PLANT, ISTANBUL / TURKEY

DEHA TECH
GENIUS SOLUTIONS

Location : North – West of Istanbul, 10 km from Black Sea

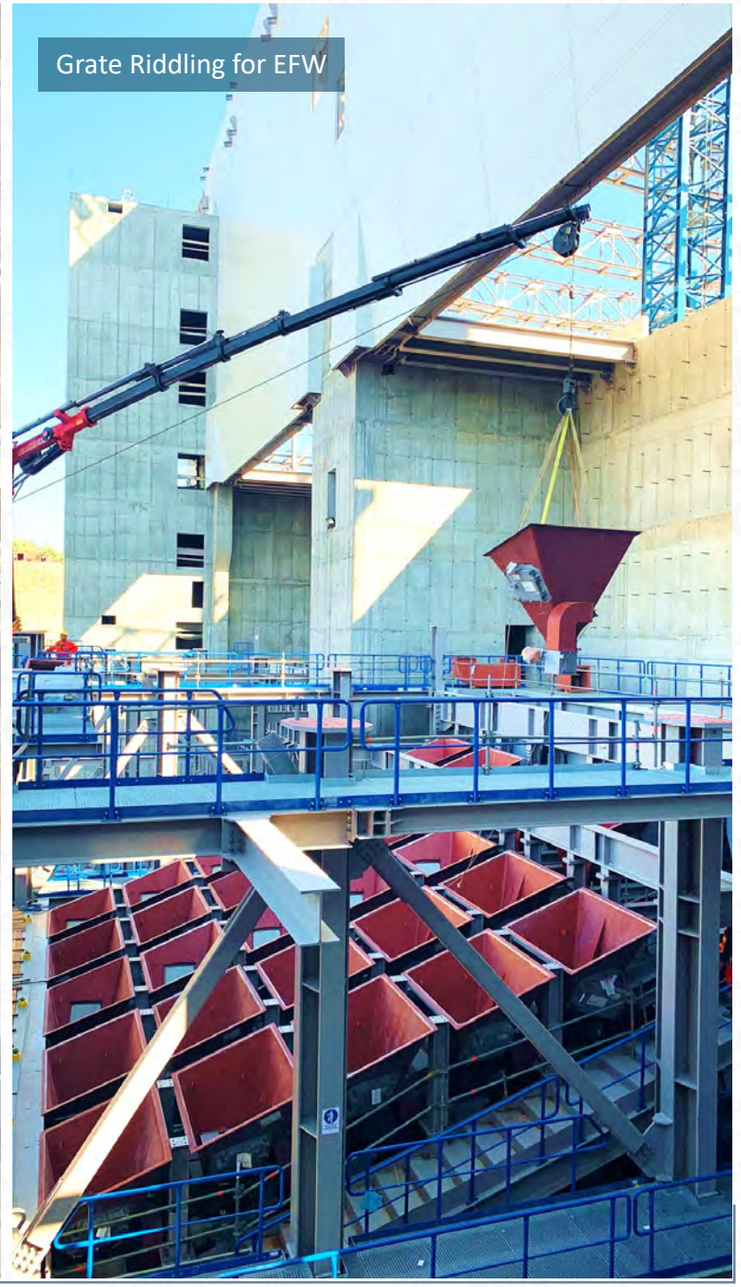
Boiler Non-Pressure Parts for EfWP



Boiler Non-Pressure Parts for EfWP

ENERGY FROM WASTE PLANT, ISTANBUL / TURKEY

With A Capacity Of 1 Mio T/A This Is The Largest Turnkey Project Ever Awarded In Europe



Grate Riddling for EFW

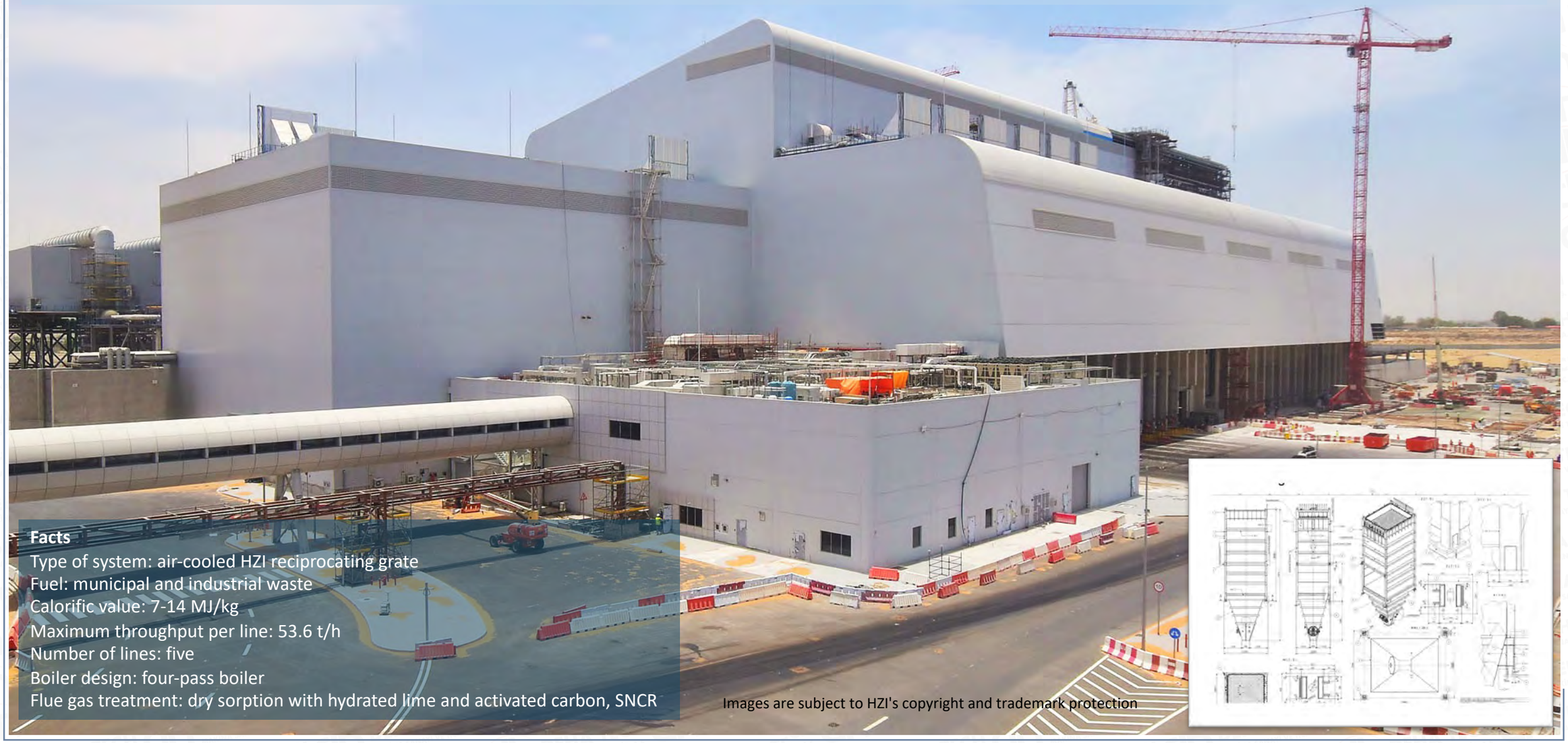
ENERGY FROM WASTE PLANT, DUBAI / UAE

Project Name	Energy from Waste Power Plant
Place	Dubai / UAE
Customer	Hitachi Zosen Inova
Subcontractor	Deha Tech
Service	Material and Manufacturing, Engineering & Documentation, Corrosion Protection, Seaworthy Packaging - Delivery FAS
Scope	Furnace Door Grate Service Bridge Mobile Air Canon , Lot Plate Work Bent Fabrication FGT

Project Start Date Jun 2018 **Finish Date** May 2022

ENERGY FROM WASTE PLANT, DUBAI / UAE

The world's largest Waste to Energy (WtE) plant is currently under construction in Dubai and **Deha Tech** has successfully completed the Materials and Manufacturing, Engineering and Documentation, Corrosion Protection, Seaworthy Packaging and Delivery FAS.

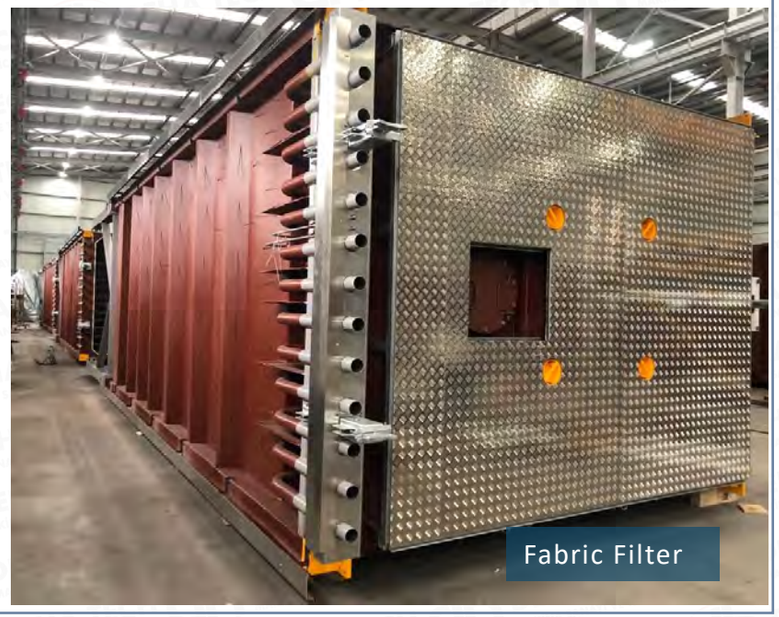


Facts
Type of system: air-cooled HZI reciprocating grate
Fuel: municipal and industrial waste
Calorific value: 7-14 MJ/kg
Maximum throughput per line: 53.6 t/h
Number of lines: five
Boiler design: four-pass boiler
Flue gas treatment: dry sorption with hydrated lime and activated carbon, SNCR

ENERGY FROM WASTE PLANT, DUBAI / UAE

Fabric Filters Manufacturing

Fabric Filter Manufacturing



Fabric Filter

ENERGY FROM WASTE PLANT, DUBAI / UAE

Fabric Filters Manufacturing

Cranes Loading Fabric Filters for Shipment

ENERGY FROM WASTE PLANT, DUBAI / UAE

Fabric Filters Packing Process

Fabric Filters Ready for Shipment

Fabric Filters Transport to Shipment

ENERGY FROM WASTE PLANT, DUBAI / UAE

Loading Fabric Filter for Shipment

Loading Fabric Filter for Shipment

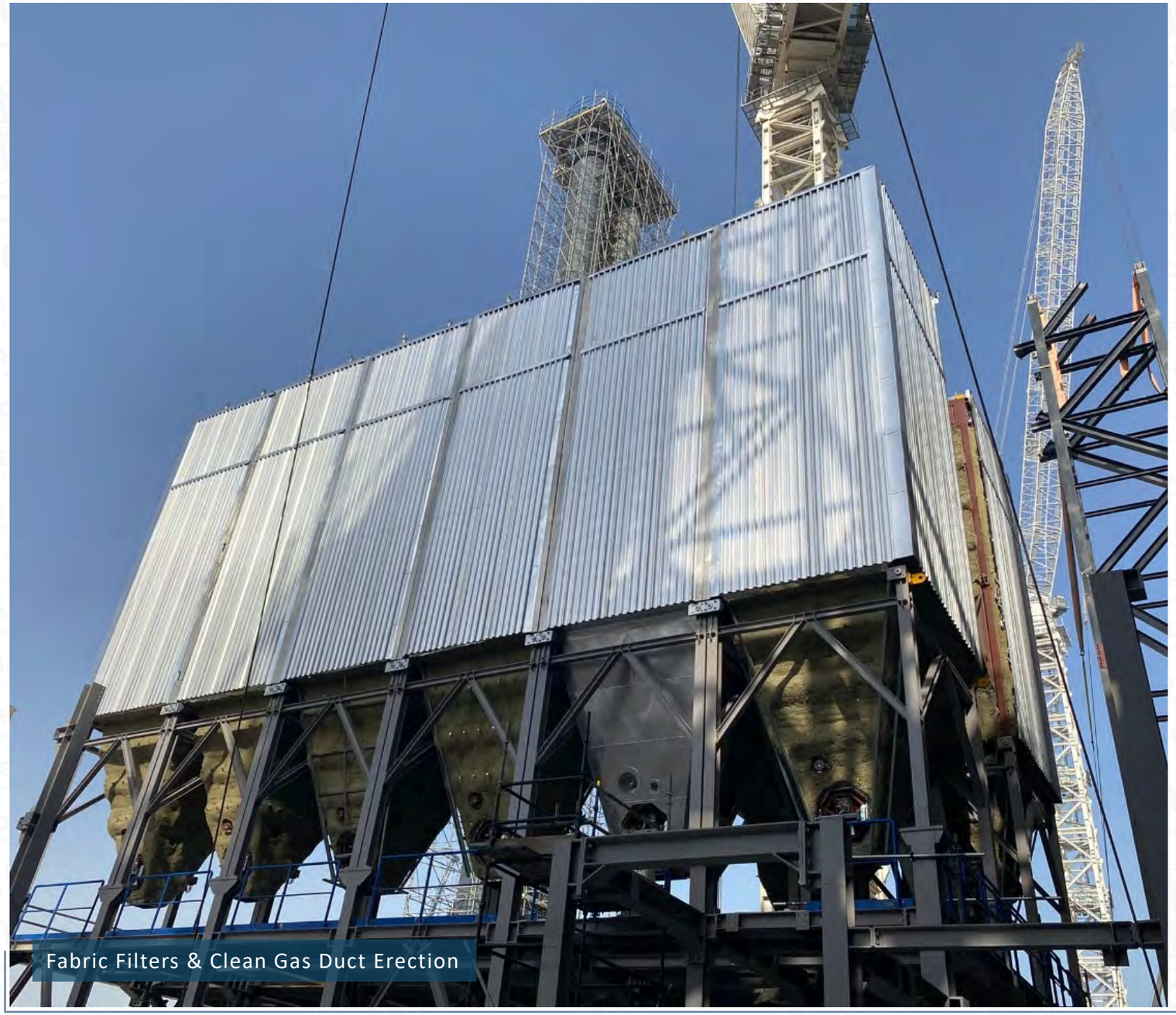
ENERGY FROM WASTE PLANT, DUBAI / UAE

Raw Gas Duct

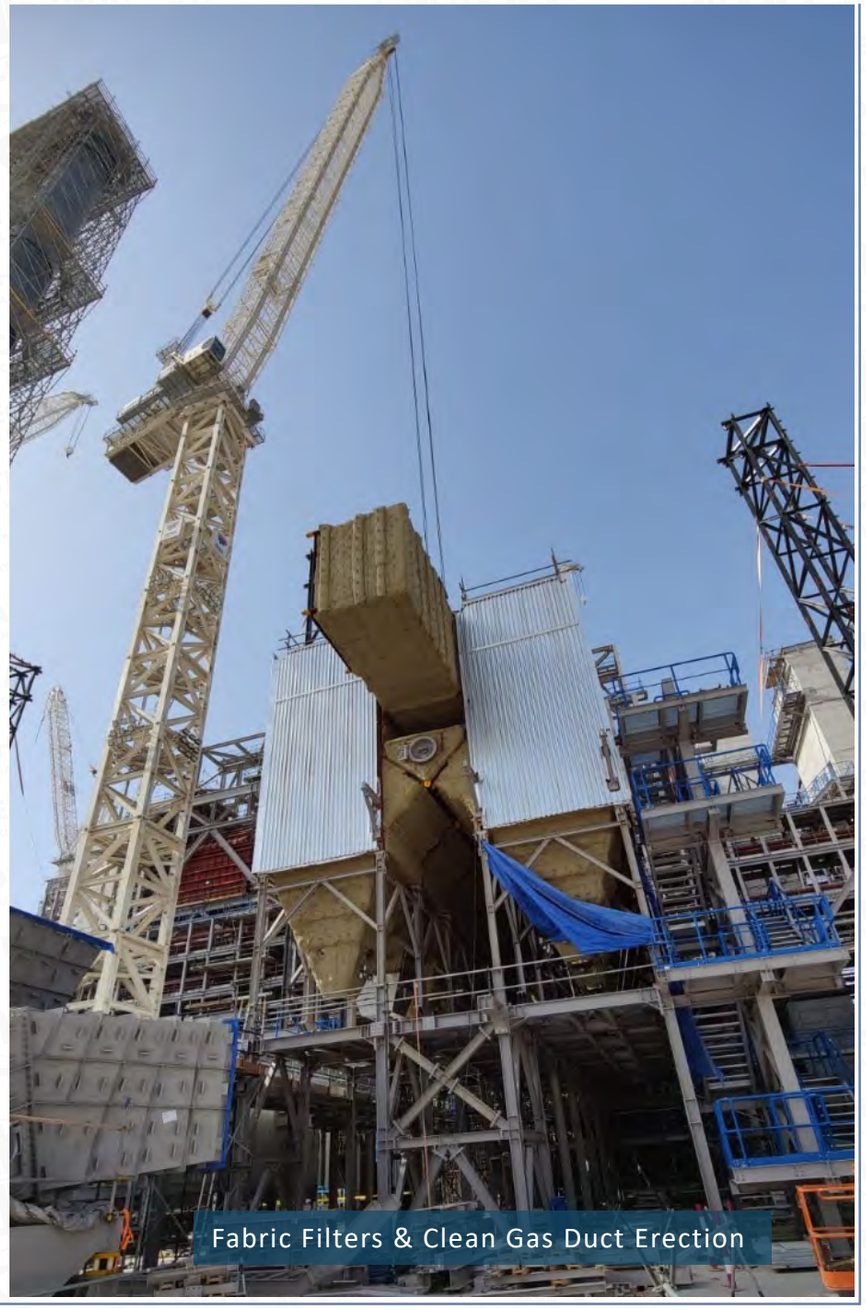
Raw Gas Duct

Clean Gas Duct

ENERGY FROM WASTE PLANT, DUBAI / UAE



Fabric Filters & Clean Gas Duct Erection



Fabric Filters & Clean Gas Duct Erection

BIOMASS POWER PLANT, BOLU / TURKEY

Project Name	Bıomass Power Plant
Place	Bolu / Turkey
Customer	Aallbork
Subcontractor	Deha Tech
Service	Fabrication
Scope	Flue Gas Duct System Ash Silo
Project Start Date	Nov 2020
Finish Date	Mar 2021

Bolu Biomass Power Plant

BIOMASS POWER PLANT, BOLU / TURKEY

General View of Bolu Biomass Power Plant Construction

BIOMASS POWER PLANT, BOLU / TURKEY

Flue Gas Duct System Bolu Biomass Power Plant

Ash Silo Bolu Biomass Power Plant

Bolu Biomass Power Plant Construction

BIOMASS POWER PLANT, BOLU / TURKEY


Bolu Ash Silo


Bolu Ash Silo

Bolu Ash Silo


Bolu Ash Silo

BIOMASS POWER PLANT, BOLU / TURKEY

Bolu Ash Silo

Bolu Ash Silo

Bolu Ash Silo

BIOMASS POWER PLANT, BOLU / TURKEY

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PRESSURE VESSELS & TANKS

Bolu Biomass Plant Process Equipment

Bolu Ash Silo

Bolu Biomass Plant Steel Structure

ENERGY FROM WASTE PLANT, WESTFIELD / UK

Project Name	Westfield Energy Recovery EfW Plant
Place	Westfield / UK
Customer	Hitachi Zosen Inova
Subcontractor	Deha Tech
Service	Fabrication
Scope	Furnace Doors & Grate Service Bridge Ram Type Bottom Ash Extractor Slide Gate Plate Work Bent-Common Engineering, Procurement, Fabrication
Project Start Date	Nov 2022
Finish Date	Jun 2023

Westfield UK EFW Project

Plate Work Bent, Fabrication

ENERGY FROM WASTE PLANT, WESTFIELD / UK

Plate Work, Fabrication

ENERGY FROM WASTE PLANT, LONDON / UK

Project Name	Energy from Waste Power Plant
Place	London / UK
Customer	Hitachi Zosen Inova
Subcontractor	Deha Tech
Service	Fabrication
Scope	Furnace Door And Service Bridge, Feed Hopper, Grate Riddling, Grate Riddling, Bottom Ash Chute, Boiler Sheet Metal Work

Project Start Date Nov 2022 **Finish Date** Jun 2025

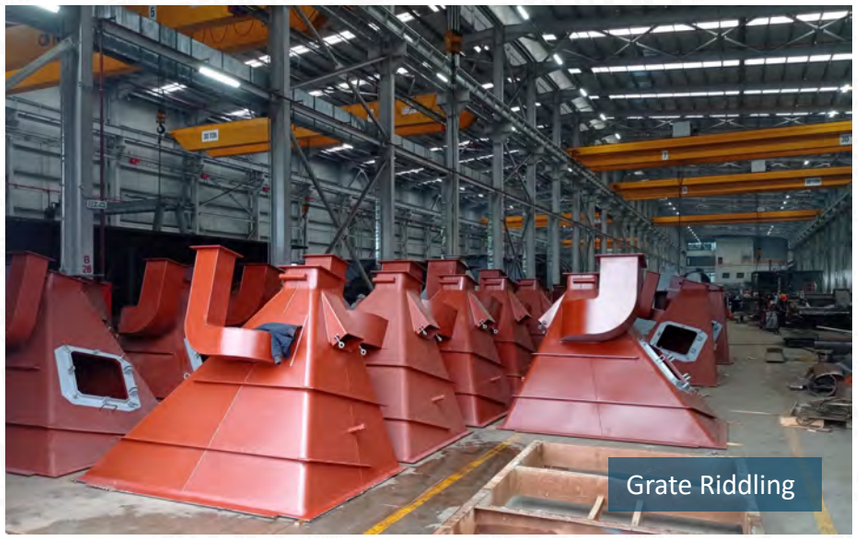
The facility will generate 23MW of electricity by processing up to 700,000 tonnes of non-recyclable residual waste each year.The new ERF facility will prevent black-bin-bag waste from ending up in landfill, where it generates methane, a greenhouse gas which has a warming impact 80 times greater than CO_2. The new ERF will also save the equivalent of 215,000 tonnes of CO_2 each year – the equivalent of taking 110,000 cars off the roads.

Feed Hopper

North London Waste Authority

ENERGY FROM WASTE PLANT, LONDON / UK

Bottom Ash Chute


Grate Riddling

Grate Riddling

ENERGY FROM WASTE PLANT, EMMENSPITZ / SWITZERLAND

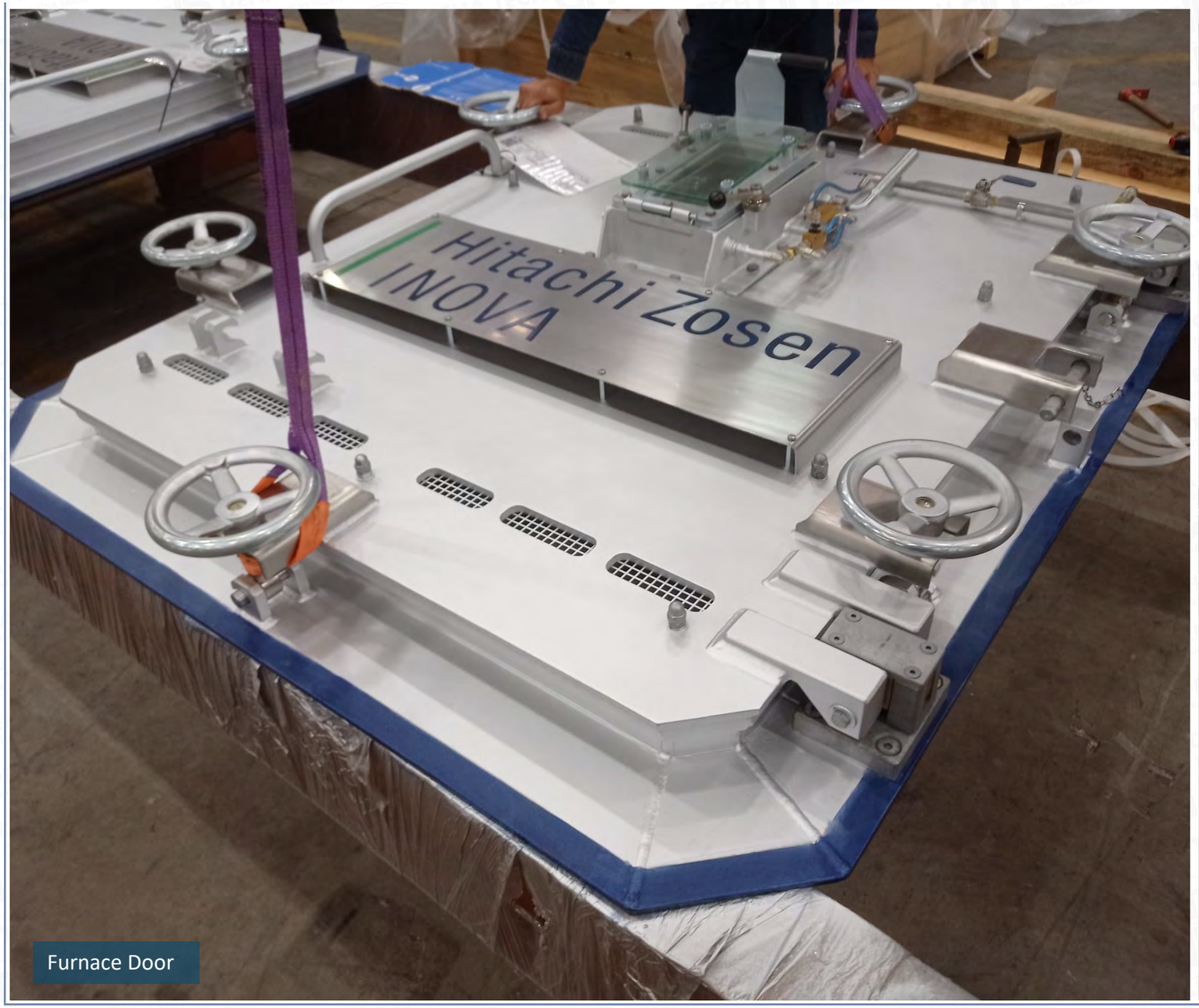
Project Name	Emmenspitz Energy from Waste Plant
Place	Emmenspitz / Switzerland
Customer	Hitachi Zosen Inova
Subcontractor	Deha Tech
Service	Procurement, Manufacturing, Fabrication
Scope	Manufacturing of Boiler Non-Pressure Parts, Supply of Furnace Door and Grate Service

Project Start Date Nov 2021 **Finish Date** Jun 2023

Capacity of around 221.000 t/a treatment capacity for municipal and commercial waste. This will generate 53,7 MW power.

Boiler Non-Pressure Parts for EfW

ENERGY FROM WASTE PLANT, EMMENSPITZ / SWITZERLAND



Furnace Door

ENERGY FROM WASTE PLANT, SLOUGH / UK

Project Name	Energy from Waste Power Plant
Place	Slough / UK
Customer	Hitachi Zosen Inova
Subcontractor	Deha Tech
Service	Fabrication
Scope	CaOH2 Silo Residue Silo PAC Silo
Project Start Date	Nov 2021
Finish Date	Jun 2024

Residue Silo

Residue Silo

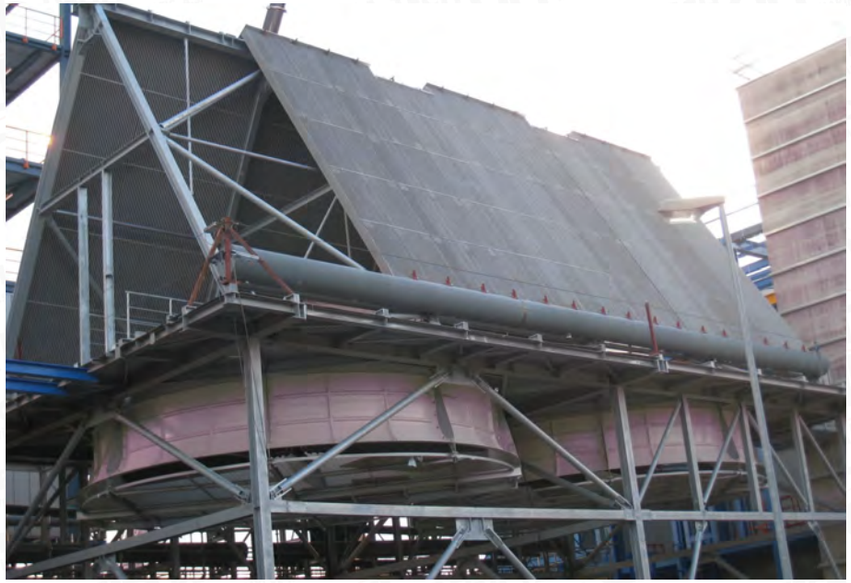
ENERGY FROM WASTE PLANT, BAMBERG / GERMANY

Project Name	Air-cooled Condenser for Turbine Exhaust Steam
Place	Bamberg / Germany
Customer	Clyde Bergeman Termotec
Subcontractor	Deha Tech
Service	Fabrication
Scope	The Air-Cooled Condenser System Will be Used in The Waste to Energy Plant in Bamberg 900 Ton Structural Steel Erection Primary Bundle 2 Axial Fan Steam Duct and Steam Manifold Evacuation System
Total Man Hours	13.125 mhr
Peak Time Worker	30 Direct Employee
Average Worker	25 Direct Employee
Project Start Date	Mar 2013 **Finish Date** May 2014

Prefabrication and Erection Cladding

ENERGY FROM WASTE PLANT, BAMBERG / GERMANY

Structural Steel Erection



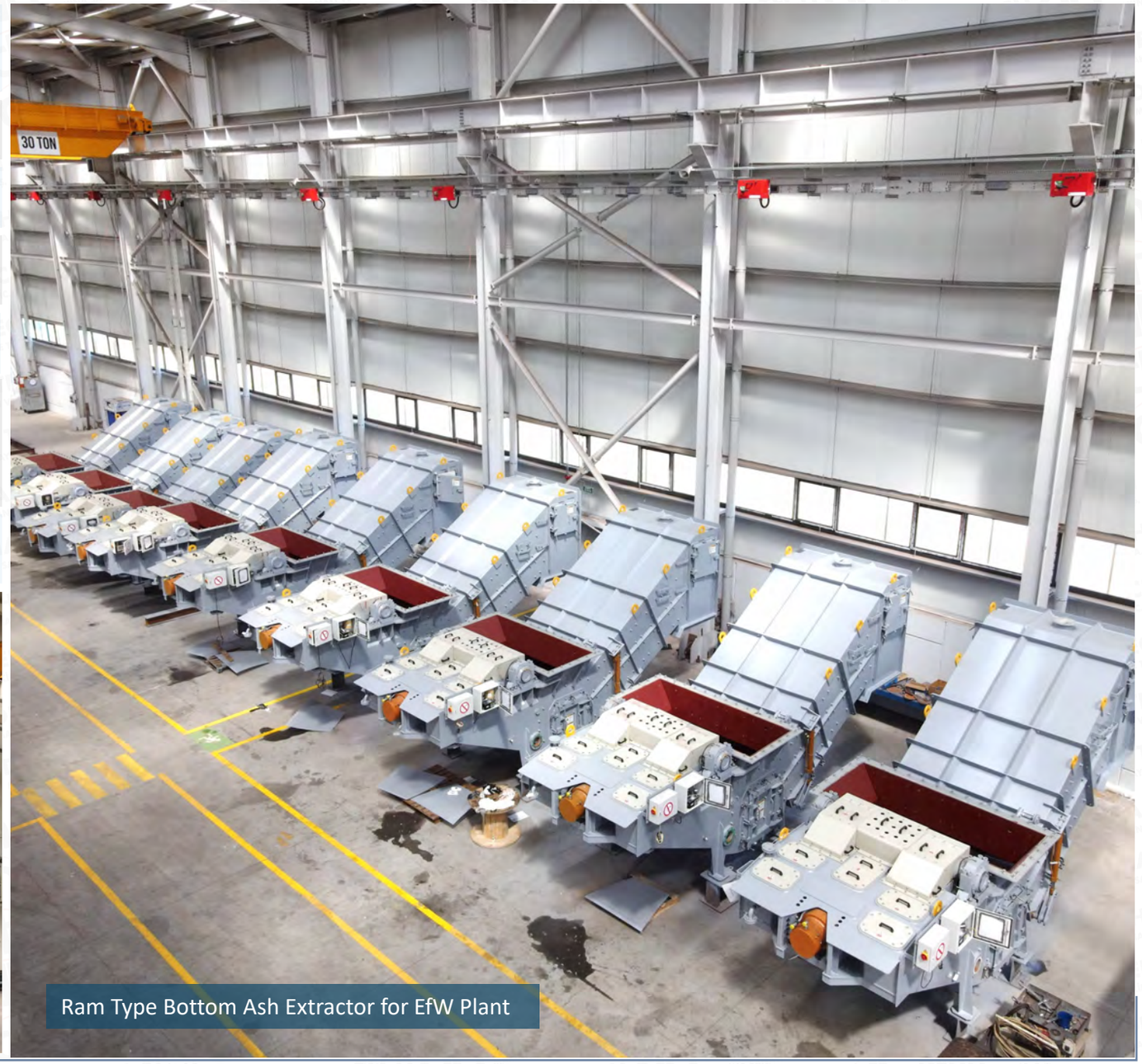
Prefabrication and Erection Cladding

ENERGY FROM WASTE PLANT, MOSCOW / RUSSIA

Project Name	Energy from Waste Power Plant
Place	Moscow / Russia
Customer	Hitachi Zosen Inova
Subcontractor	Deha Tech
Service	Fabrication
Scope	Supply of 24 nos Ram Type Bottom Ash Extractors

Project Start Date Dec 2019 **Finish Date** May 2027

Ram Type Bottom Ash Extractor for EfW Plant



Ram Type Bottom Ash Extractor for EfW Plant

ENERGY FROM WASTE PLANT, IVRY / FRANCE

Project Name	Energy from Waste Power Plant
Place	Ivry / France
Customer	Hitachi Zosen Inova
Subcontractor	Deha Tech
Service	Fabrication, Engineering, Procurement
Scope	Fabrication of 2 nos. Feed Hopper, Supply and Fabrication of Boiler Non-Pressure Part, Supply and Fabrication of Combustion Air Duct, Bottom Ash Chute & Grate Riddling Removal Works, Supply and Manufacturing of 4 Nos Bottom Ash Extractor, 4 Nos Slide Gate, Fabrication of Furnace Door & Grate Service Bridge, Boiler Acc. Maintenance Console.
Project Start Date	Dec 2019
Project Finish Date	Dec 2022

Feed Hopper for EfW Plant


Feed Hopper for EfW Plant

ENERGY FROM WASTE PLANT, ROCKINGHAM / AUSTRALIA

Project Name	Energy from Waste Power Plant
Place	Rockingham / Australia
Customer	Hitachi Zosen Inova
Subcontractor	Deha Tech
Service	Fabrication
Scope	Ram Type Bottom Ash Extractor, Furnace Door Grate Service Bridge, Feed Hopper, Grate Riddling Plate Works, Bottom Ash Chute, Combustion Air Ducts
Project Start Date	Jun 2020 **Finish Date** Dec 2021

Grate Riddling Hoppers

ENERGY FROM WASTE PLANT, NEWHURST / UK

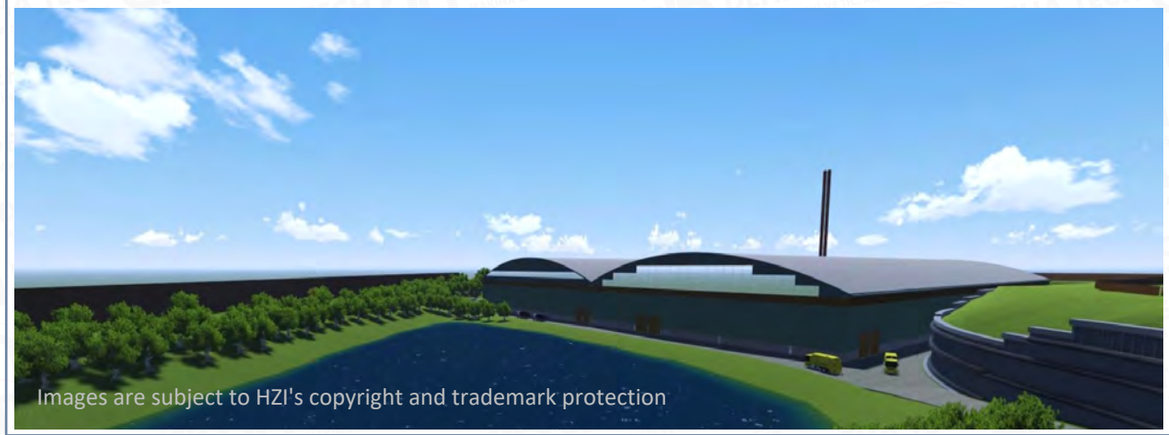
Project Name	Energy from Waste Power Plant
Place	Newhurst / UK
Customer	Hitachi Zosen Inova
Subcontractor	Deha Tech
Service	Fabrication
Scope	Ram Type Bottom Ash Extractor, Combustion Air Ducts, Supply of 1Nos of Mobile Air Cannon, Furnace Door Grate Service Bridge, Engineering, Manufacturing works of Silos

Project Start Date Dec 2020 **Finish Date** Dec 2021

Ram Type Bottom Ash Extractor for EfW Plant

ENERGY FROM WASTE PLANT, RIVENHALL / UK

Project Name	Energy from Waste Power Plant
Place	Rivenhall / UK
Customer	Hitachi Zosen Inova
Subcontractor	Deha Tech
Service	Fabrication, Manufacturing
Scope	Furnace Door Grate Service Bridge, FGT Plate Work Bent Fabrication, Boiler Non Pressure Parts, Hopper – H – Pass, Hopper – V – Eco, Flue Gas Ducts Fabrication
Project Start Date	May 2023
Finish Date	Sep 2024




Boiler Non-Pressure Parts for EfW Plant

ENERGY FROM WASTE PLANT, ROOKERY / UK

Project Name	Energy from Waste Power Plant
Place	Rookery / UK
Customer	Hitachi Zosen Inova
Subcontractor	Deha Tech
Service	Fabrication
Scope	Feed Hoppers, Bottom Ash Extractor, Additive Ca(OH)2 (lime) Silo, Silo(PAC), CaO Silo, Residue Silo, Furnace Door, Grate service Bridge
Project Start Date	Oct 2019
Finish Date	May 2020


Residue Silo


Silo (Pac)

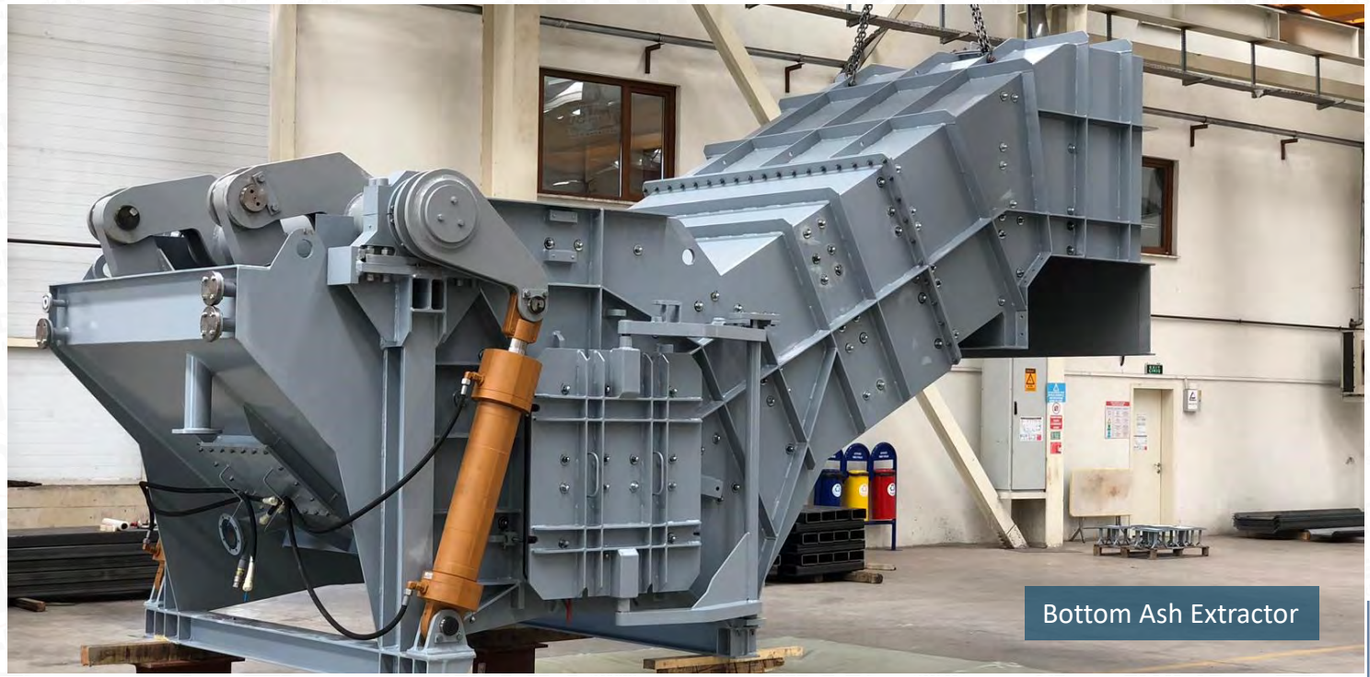
ENERGY FROM WASTE PLANT, SKELTON / UK

Project Name	Energy from Waste Power Plant
Place	Skelton / UK
Customer	Hitachi Zosen Inova
Subcontractor	Deha Tech
Service	Fabrication
Scope	Furnace Door Grate Service Bridge, Boiler non Pressure Parts
Project Start Date	Jun 2022 **Finish Date** July 2025

Furnace Door

ENERGY FROM WASTE PLANT, RIVERSIDE / UK

Project Name	Energy from Waste Power Plant
Place	Riverside / UK
Customer	Hitachi Zosen Inova
Subcontractor	Deha Tech
Service	Fabrication
Scope	6 Units Ram Type Bottom Ash Extractors, Furnace Door Grate Service Bridge
Project Start Date	Aug 2023 **Finish Date** Apr 2024


Bottom Ash Extractor

ENERGY FROM WASTE PLANT, PLYMOUTH / UK

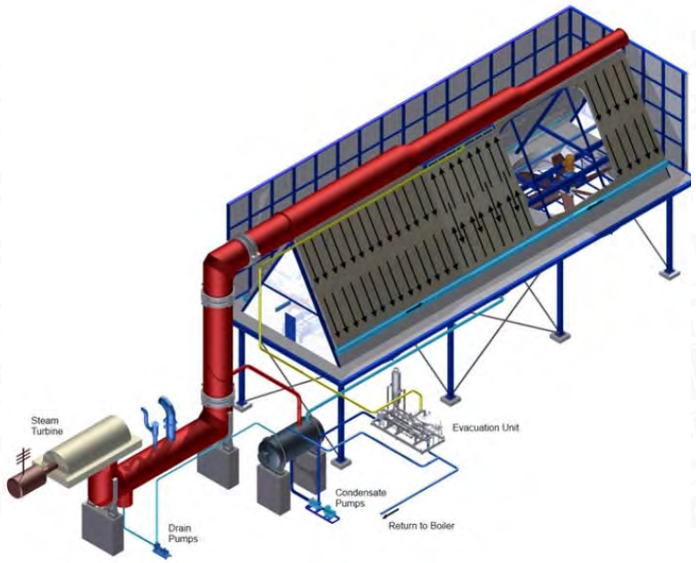
Project Name	Air-cooled Condenser System for Thermal Recycling P.
Place	Plymouth / United Kingdom
Customer	Clyde Bergeman Termotec
Subcontractor	Deha Tech
Service	Fabrication
Scope	The Air-Cooled Condenser System Will be Used in The New Thermal Recycling Plant in Plymouth 350 Ton Structural Steel Erection 5 Axial Fan Steam duct and steam manifold Condensate system Evacuation System
Total Man Hours	27.500 Mhr
Peak Time Worker	55 Direct Employee
Average Worker	30 Direct Employee
Project Start Date	May 2013 **Finish Date** Sep 2014

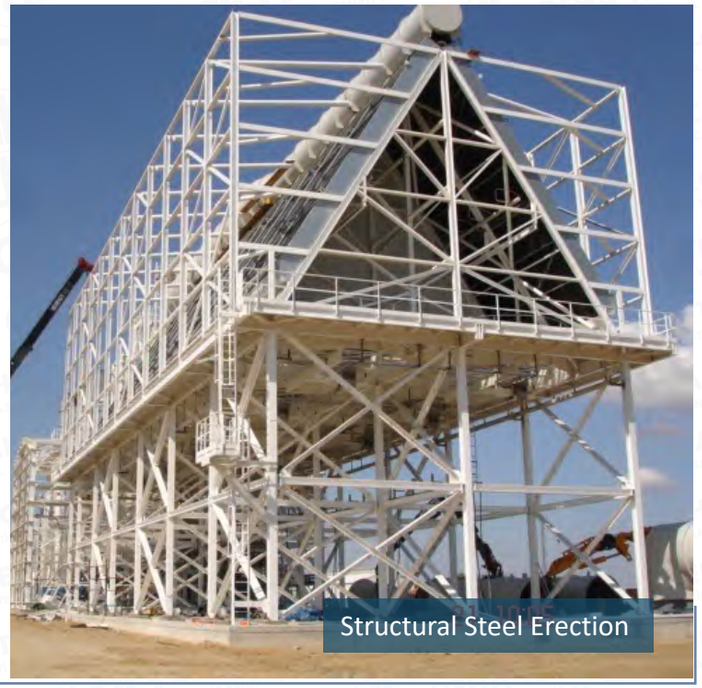
Ducting and Chutes

Structural Steel Erection

ENERGY FROM WASTE PLANT, PLYMOUTH / UK

Air-cooled Condenser System for Thermal Recycling Plant





Structural Steel Erection

ENERGY FROM WASTE PLANT, PLYMOUTH / UK

Air-cooled Condenser System for Thermal Recycling Plant

Prefabrication and Erection Cladding

ENERGY FROM WASTE PLANT, HAGEN / GERMANY

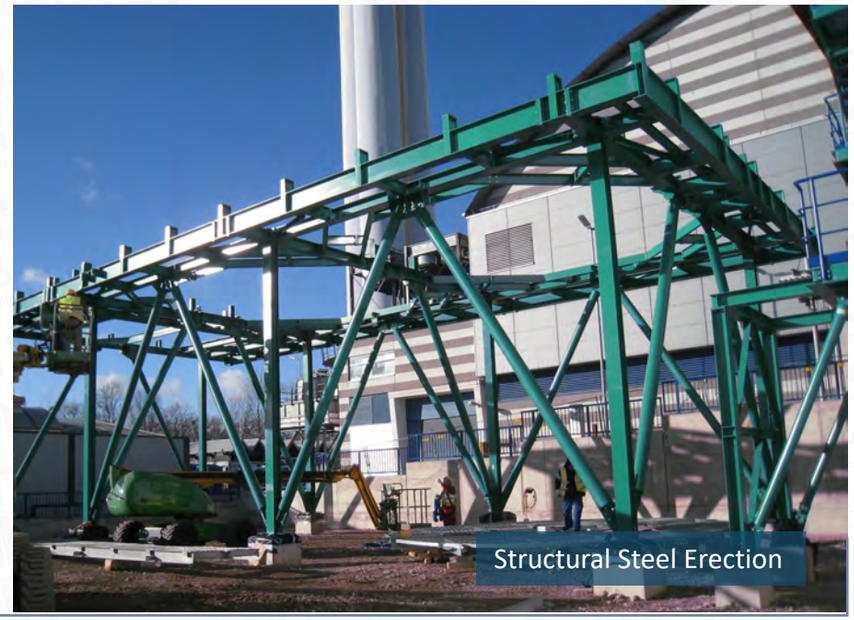
Project Name	Air-Cooled Condenser for Turbine Exhaust System
Place	Hagen / Germany
Customer	Clyde Bergeman Termotec
Subcontractor	Deha Tech
Service	Fabrication
Scope	The Air-Cooled Condenser System Will be Used in The Waste to Energy Plant in Hagen 100 Ton Structural Steel Erection 5 Axial Fan Steam duct and steam manifold Condensate system Evacuation System
Total Man Hours	10.625 mhr
Peak Time Worker	30 Direct Employee
Average Worker	25 Direct Employee
Project Start Date	May 2013 **Finish Date** Sep 2014

Waste to Energy Plant Overview

Prefabrication and Erection Cladding

ENERGY FROM WASTE PLANT, HAGEN / GERMANY

Structural Steel Erection



Structural Steel Erection

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AKSA ENERGY POWER PLANT, CYPRUS

Aksa De-Sox Tower


Aksa De-Sox Tower


Aksa De-Sox Tower & Pump Station

FLUIDIZED BED BOILER – TEST FACILITY AND RESERCH, TUBITAK

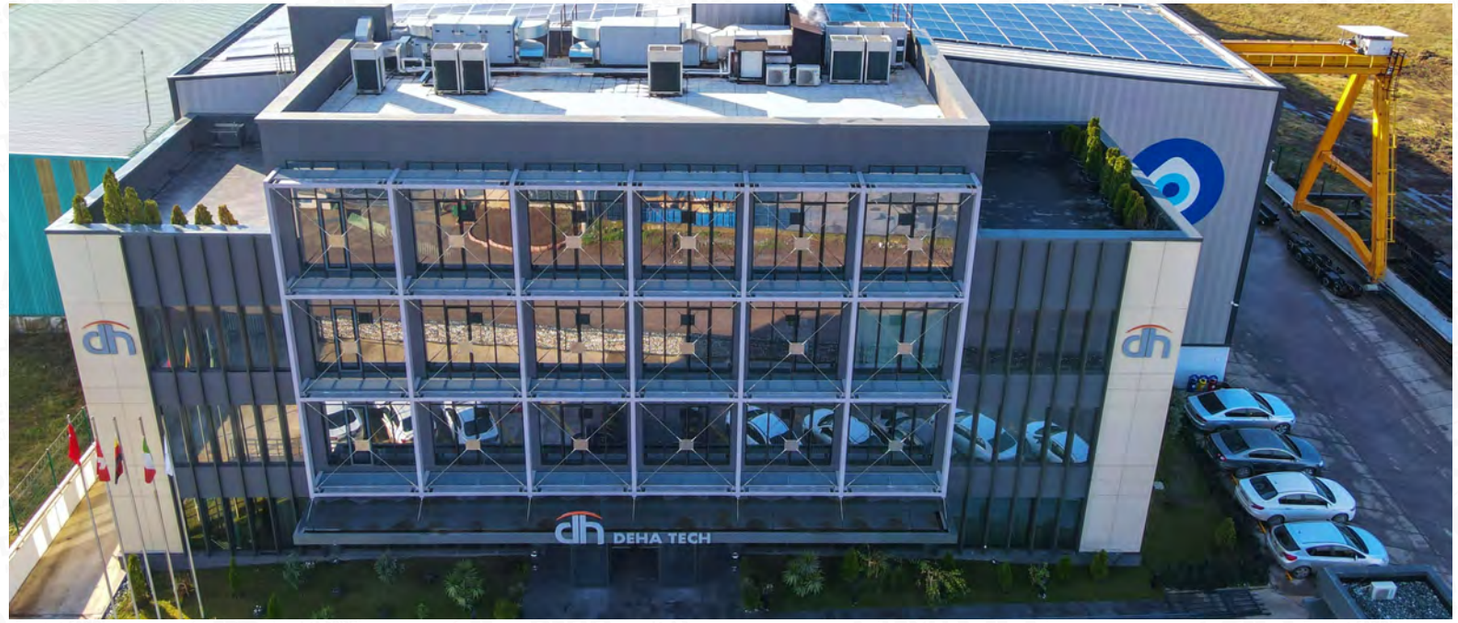
Mechanical Manufacturing and Erection Works

Boiler Unit

MANUFACTURING PLANTS

KARTEPE FACTORY 1 PROFILE

Location	Kartepe	**Status**	Active
Open Area	18.000 m²	**Closed Area**	10.000 m²
Production Capacity	4.800 t	**Personnel**	150
Main Equipment	1500 mm x 300 mm Hydraulic Press 300 t HPK 100 Profile and Pipe Rolling Machine MIG / MAG Welding Machines TIG Welding Machines Aluminium Welding Machines Submerged Arc Welding Machines Sleeve Welding Machine Electric Welding Machine Screw Lathe Weighing Machine 150 t Band Saw Cutting Machine, D 1000 mm Radial Drill + Threading, Hole D 50 mm 3 x 4 Rolls Hydraulic Plate Bending Machine Up to 80 mm x 3000 mm Bending Capacity Up to 12 mm x 3000 mm Bending Capacity Up to 60 mm x 3000 mm Bending Capacity		
Crane Capacity	8 x 30 t Overhead Cranes x (h) 9.5 m 1 x 20 t Portal Crane x (h) 9.5 m 2 x 25 t Portal Cranes x (h) 9.5 m 1 x 30 t Portal Crane x (h) 9.5 m 1 x 15 t Portal Crane x (h) 9.5 m		



KARTEPE FACTORY 2 PROFILE

Location	Kartepe
Status	Active
Open Area	2.500 m²
Closed Area	2.500 m²
Production Capacity	5.000 t
Main Equipment	3 m x 12 m CNC Plasma + Oksi (Angle Cutting) 2,5 m x 12 m CNC Plasma (Angle Cutting) 12 m Plasma Pipe Cutting Machine Band Saw Cutting Machine Radial Drill + Threading, Hole D 50 mm 7100*600 mm Hydraulic Bending 700 t 1020*150 mm Hydraulic Bending 150 t 4000*440 mm Hydraulic Bending 440 t Screw Lathe Sand Blasting Cabinet & Paint Area CNC Milling Machine Universal Milling Machine Turning Lathe CNC Turning Machine
Crane Capacity	4 x 10 t Crane x (h) 7.3 m

GEBZE FACTORY PROFILE

Location	Gebze
Status	Active
Open Area	1.000 m²
Closed Area	3.000 m²
Production Capacity	2.200 t
Personnel	65
Main Equipment	3 m x 12 m CNC Plasma + Oksi (Angle Cutting) Radial Drill + Threading, Hole D 50 mm Band Saw Cutting Machine Screw Lathe 2 x Submerged Arc Welding Machines MIG / MAG Welding Machines TIG Welding Machine Electric Welding Machine 4 Roll 40 mm x 3000 mm Bending Machine Up to 30 mm x 3000 mm Bending Capacity
Crane Capacity	1 x 30 t Overhead Crane x (h) 8 m 2 x 20 t Overhead Crane x (h) 8 m 1 x 10 t Portal Crane x (h) 8 m

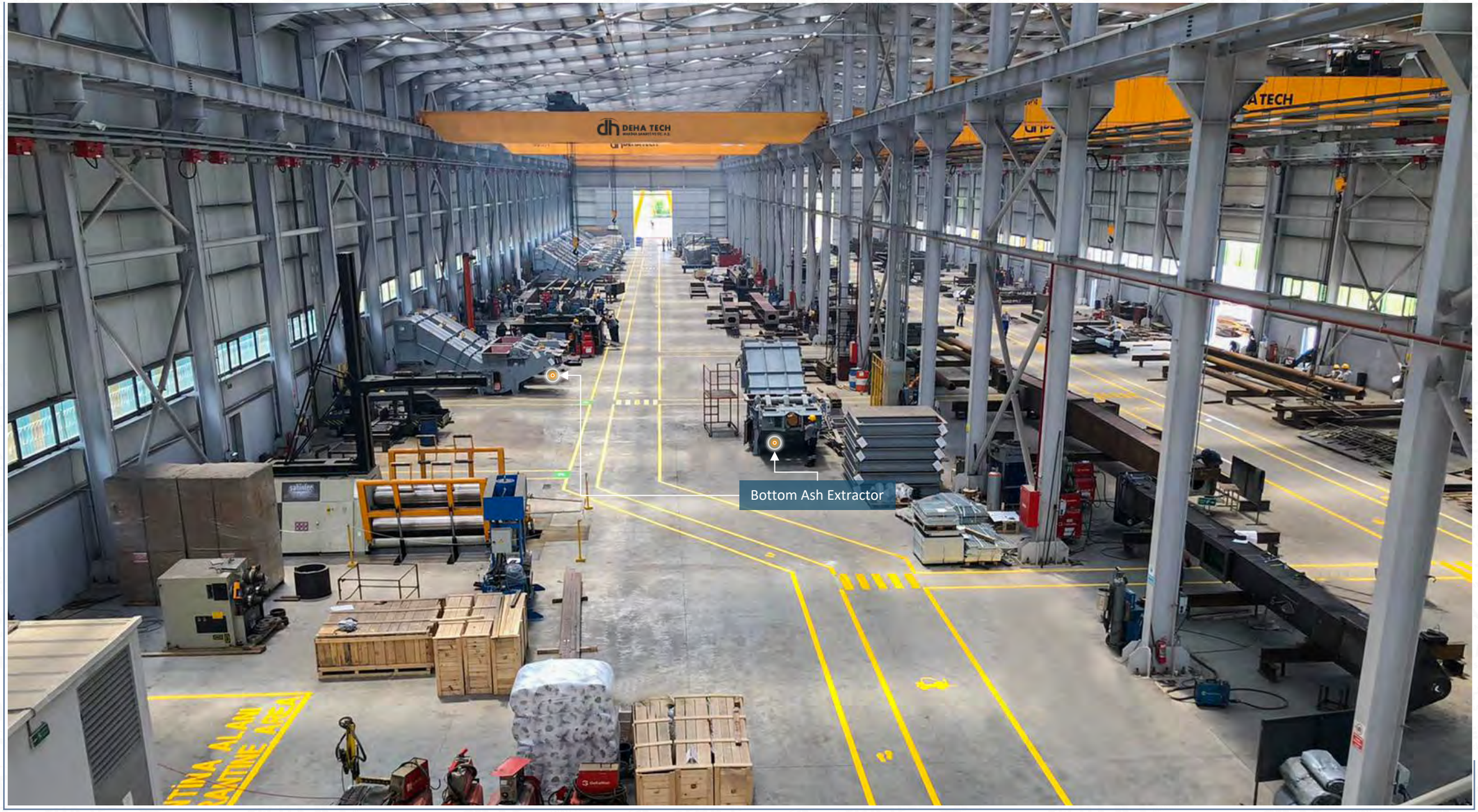
HAYDARPASA PORT PROFILE

Location	Haydarpaşa Port
Status	Active
Open Area	50.000 m²
Closed Area	1.000 m²
Production Capacity	4.500 Tons
Personnel	230

KARTEPE FACTORY 1 GENERAL VIEW

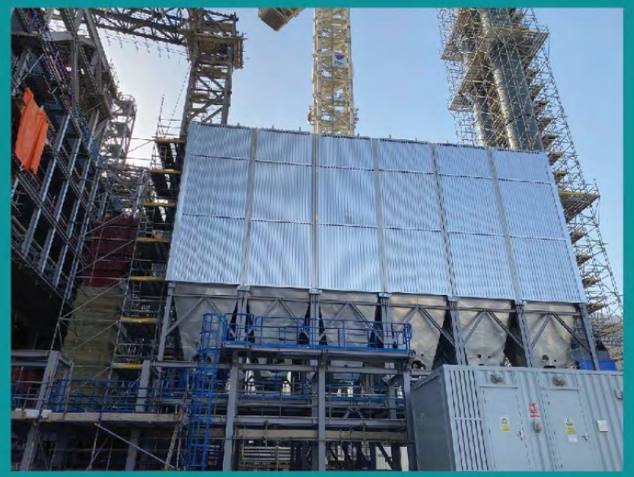
Deha Tech continues to provide the highest quality services worldwide at full speed, with a total of 2000 employees, 4 factories and 1 port in a 59000 sqm production area.

DEHA TECH KARTEPE FACTORY INTERIOR VIEW



DEHA TECH KARTEPE FACTORY GENERAL VIEW

Genius Solutions For Industrial Projects



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Barış, Koşuyolu Cd. No:23, Pk: 41400
Gebze/Kocaeli

Kartepe Factory 1
Arslanbey Mahallesi, Yeşilevler Sokak,
No:5, Pk:41285, Kartepe / KOCAELİ / TR

Kartepe Factory 2
Arslanbey OSB Mahallesi, 3. Sokak,
No:12, Pk:41285, Kartepe / KOCAELİ / TR

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34425 Beyoğlu/İstanbul

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