

GENIUS SOLUTIONS FOR INDUSTRIAL PROJECTS



POWER PLANTS & ENERGY
SYSTEMS

www.dehatech.com



CEMENT & MINING INDUSTRY



FUEL, OIL & GAS INDUSTRY



POWER PLANTS & ENERGY SYSTEMS



ENVIRONMENTAL TECHNOLOGIES



CONSTRUCTION & CIVIL WORKS



MAIN BUSINESS AREAS



Cement & Mining Industry

- Clinker Production Plant
- Gypsum Production Plant
- Cement Grinding Plant
- Coal Grinding Plant
- Waelz Plant
- Zinc Plant
- Process and Non-Process Equipment



Waelz (Zinc Recovery) Technology

- Process Design
- Rotary Kiln
- Settling
- Chamber
- Product Collecting Filter
- Gas Treatment Filter
- Material Transportation
- Electric & Automation



Fabrication

- Tanks, Pressure Vessels
- Rotary Kiln and Dryer
- Cement Plant Equipment
- Steel Structure
- Conveying and Material Handling Systems
- Plate Works, Silo / Bunkers
- Water/Wastewater Treatment Equipment
- DeNOx / DeSOx Systems
- Dedusting Filters and Systems.



Refinery, Oil & Gas Industry

- Liquid Fuel Storage Systems
- LNG – LPG Facilities
- Onshore/ Downstream
- Topping Plant
- Asphalt Production Plant
- Air Separation Units



Power Plants & Energy Systems

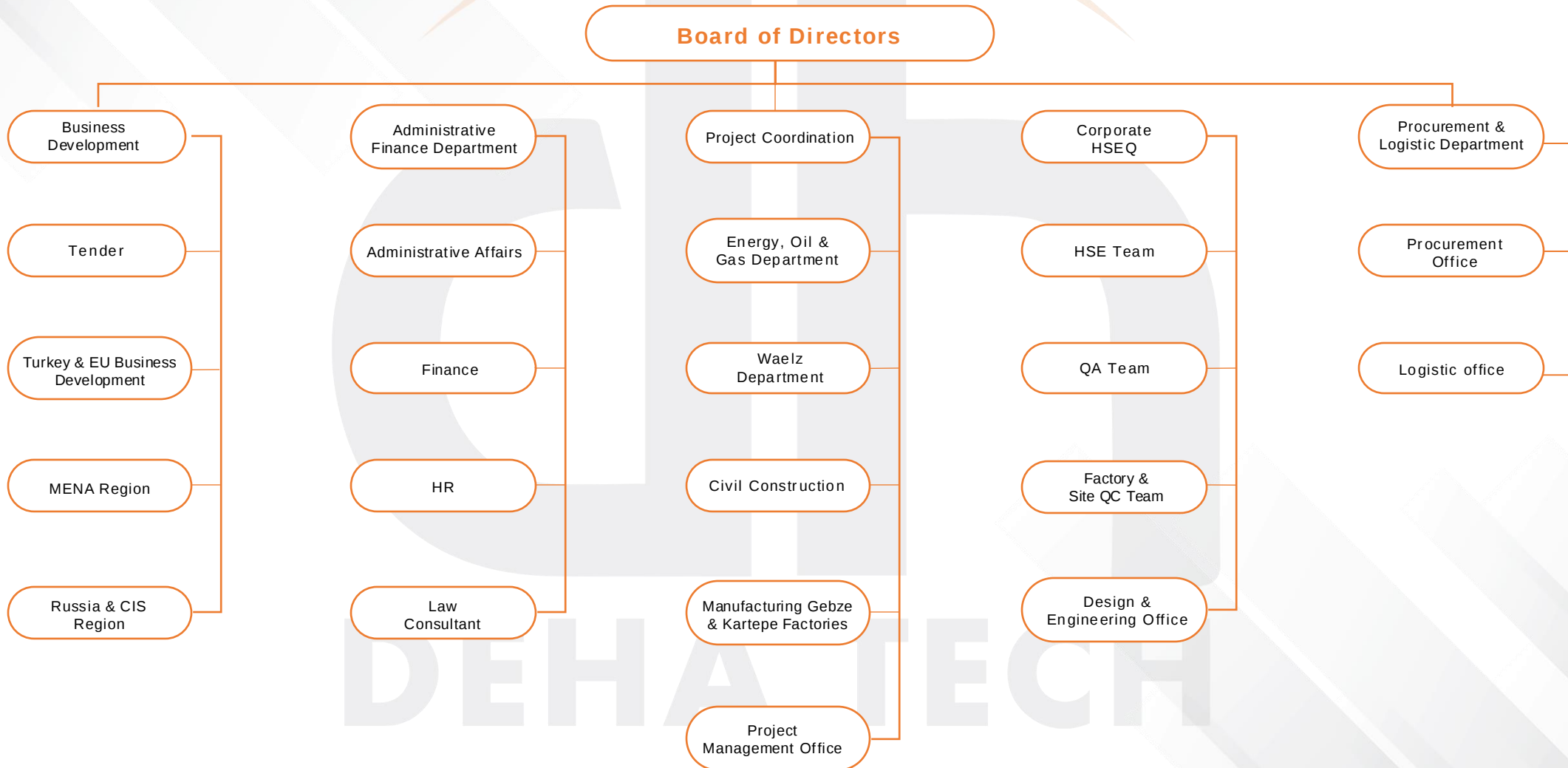
- Thermal Power Plants
- Renewable Power Plants
- Electric Substation
- High Voltage Transmission Line



Construction & Civil Works

- Civil and Steel Construction
- Industrial Buildings
- Process and Non-Process Infrastructure and Superstructure

ORGANIZATION CHART



DEHA TECH AROUND THE WORLD

Central Office:

- Türkiye

Branch Offices:

- Bulgaria
- Iraq
- Uzbekistan

Projects:

- Russia
- United Kingdom
- France
- Germany
- United States
- Peru
- Turkmenistan
- Morocco
- Cyprus
- Jamaica
- Switzerland
- Australia
- Chile
- Norway
- China
- Ukraine
- Austria
- Italy
- Hungary
- Belgium
- Macedonia
- Spain
- Denmark
- Portugal
- Brazil
- Sudan
- Syria
- Azerbaijan
- Georgia
- Israel
- Ghana



30+ Countries



200+ Projects



20+ Year Experiences



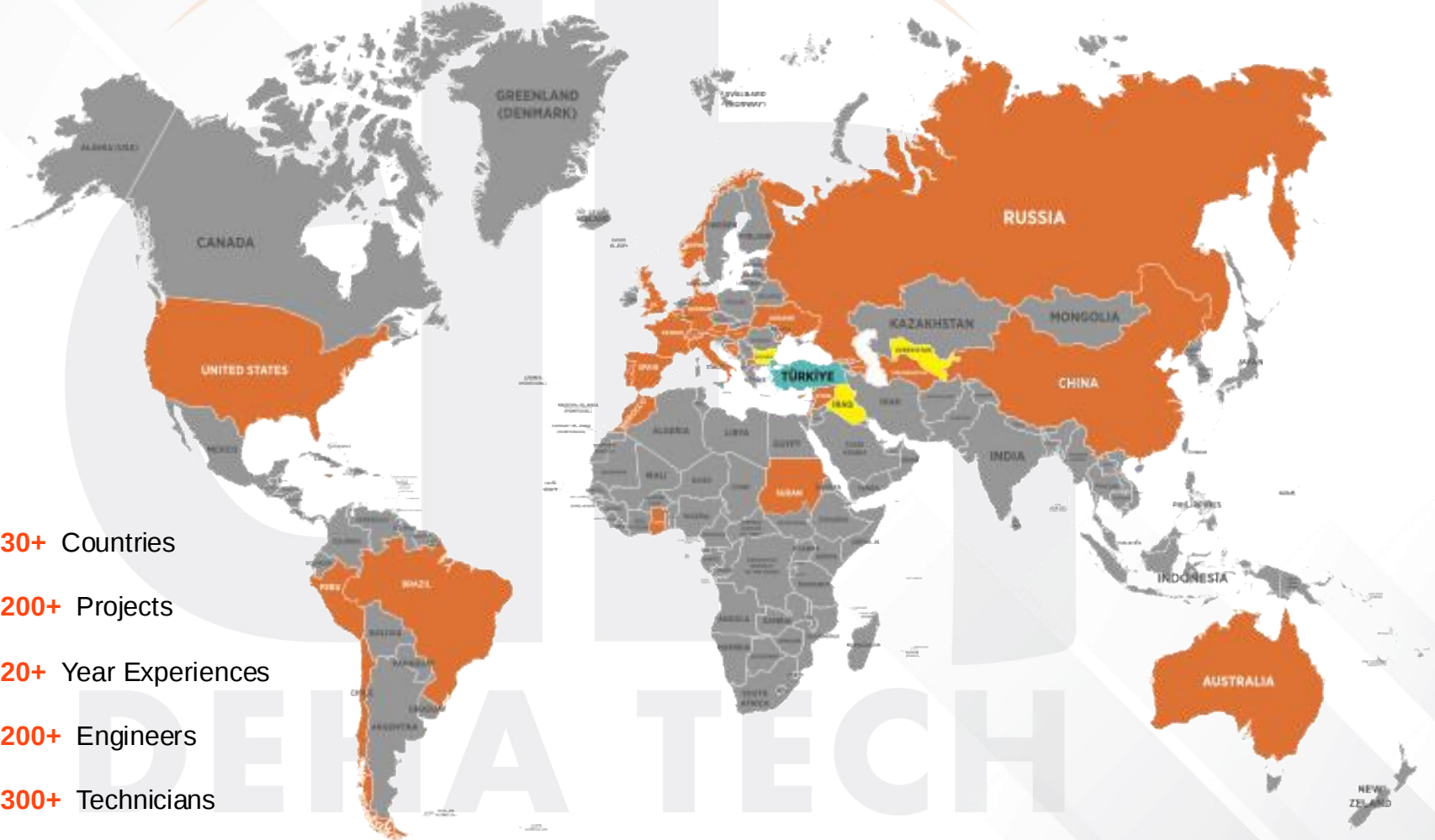
200+ Engineers



300+ Technicians



50000+ Total SQM Area



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.

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.

Responsibility

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

Rights

We focus with sensitivity on many topics such as education, the environment, employment of women and young people and animal rights.

Aim

We aim to share these projects that we have carefully evaluated within our corporate plans with you very soon.

“ 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.
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OCCUPATIONAL HEALTH AND SAFETY

- **Think Safe**
- **Act Safe**
- **Stay Safe**



Our priority is to maintain the health and safety of our employees and public, to minimize 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.

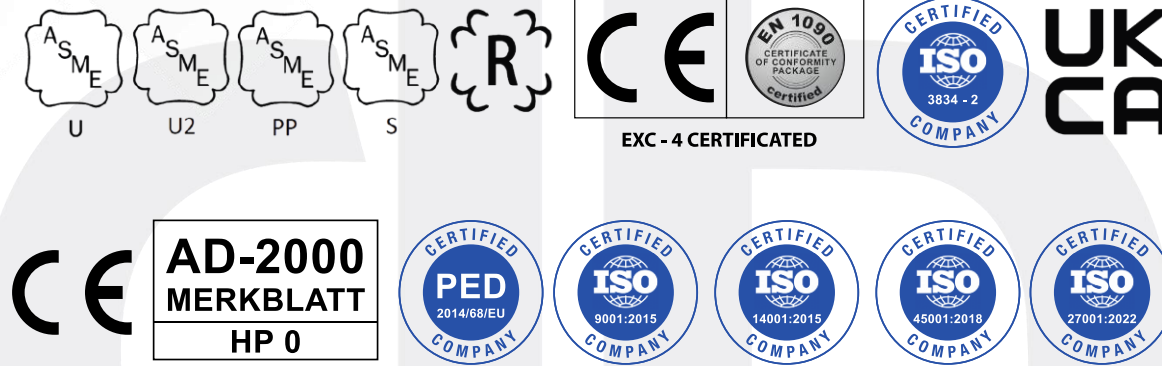


We ensure that DEHA TECH Group Companies have effective occupational health and safety systems to generate customer confidence and protecting employees.



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

CERTIFICATES



BUSINESS PARTNERS



An aerial, grayscale photograph of a city street grid, showing a dense pattern of buildings and roads. The image is slightly blurred and has a high-contrast, almost architectural feel. Overlaid on this image is the word "PROJECTS" in a large, white, sans-serif font.

PROJECTS

An aerial photograph of an industrial facility, likely a refinery or chemical plant. The facility features several large, white, cylindrical storage tanks in the foreground, a large industrial building with a complex roof structure in the center, and various smaller buildings and piping throughout the site. The facility is surrounded by a mix of greenery and developed land, with a road and some residential or commercial buildings visible in the background. The sky is overcast with scattered clouds.

TEFW PROJECTS



Client	: İstanbul Metropolitan Municipality (IMM)
Start-up	: 2020
Contract	: €470 Mio
Technology Furnace	: Grate furnace (air-cooled) 4-pass vertical boiler, turbine
Energy Recovery	
Flue Gas Treatment	: Hitachi Zosen Inova System
Technical Data Fuel	: Municipal and industrial Waste
Waste Capacity	: 1'000,000 t/a in 3 lines
Thermal Capacity	: 3 * 87 MW
Energy Recovery	: 70 MW net electricity

With a capacity of 1 Mio t/a this is the largest turnkey project ever awarded in Europe

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

Main Contractor : İBB - : İstanbul Metropolitan Municipality (IMM)

Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion : 2018-2022

Description of work : Fabrication, Engineering, Procurement, SA Nozzle Modification

Waste Bunker Water Discharge Casing Engineering, Procurement, Fabrication, Boiler Bypass Duct for Grate

FEED Hopper, Bottom Ash Chute, Grate Riddling, Boiler Non Pressure Parts, Silos

- ❑ No. of lines : 3
- ❑ Nominal waste throughput : 3x 41,67 t/h
- ❑ Nominal LHV : 7.5 MJ/kg
- ❑ Thermal Power : 3 x 87 MW
- ❑ Operating hours : 8000 h
- ❑ Boiler : 4 pass horizontal boiler
- ❑ Sefam Parameters : 426 ° C , 72 bar(a)
- ❑ Flue Gas Treatment : Hitachi Zosen Inova Systems

- WSC with (1) turbine and ACC for (3) lines
- Bottom ash storage above ground
- E-container solution





In total 4 plants with a total capacity of 2.8 million tons of waste

Main Contractor : HITACHI ZOSEN KRB AG
Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion : 2019-2021
Description of work : Supply of 6 nos. Ram type bottom ash extractors.

Client : RT-Invest
Start-up : 2022
Technology Furnace : Grate furnace (air-cooled)
Energy Recovery : 4-pass vertical boiler, turbine
Flue Gas Treatment : Hitachi Zosen Inova System
Technical Data Fuel : Municipal and industrial Waste
Thermal Capacity : 4 * 75 MW
A Total Four EfW Plants (Moscow 1-4) : Voskresensk (to the south)
Naro-Fominsk (to the west)
Noginsk (to the east)
Solnechnogorsk (to the north)



Client	: Covanta
Start-up	: 2019
Technology Furnace Energy Recovery	: Grate furnace (air-cooled) 4-pass vertical boiler, turbine
Flue Gas Treatment	: Hitachi Zosen Inova System
Technical Data Fuel	: Municipal and commercial waste
Waste Capacity	: Combustion lines processing around 545.000 tons with 3 combustion lines

During the process the installation will also generate more than 60 MW of electricity energy

Main Contractor : HITACHI ZOSEN INOVAAG-SWITZERLAND

Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion : 2019-2022

Description of work : Fabrication of Furnace Door and Grate Service Bridge, Supply of 6 nos. Ram type bottom ash extractors
Additive Ca(OH)₂ (lime) Silo, Silo(PAC), CaO Silo, Residue Silo
FEED Hopper, Bottom Ash Extractor
Fabrication, Engineering, Procurement



Main Contractor : HITACHI ZOSEN INOVA AG-SWITZERLAND

Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion : 2019-2022

Description of work

- : Fabrication, Engineering, Procurement
- Boiler Acc. Maintenance Console
- Fabrication of Furnace Door And Grate Service Bridge
- 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

Client

: SYCTOM

Start-up

: 2019

Start of Operation Technology

: 2022

HZI Responsible For Grate and Boiler

Technical Data Fuel

: Municipal and industrial Waste

Capacity of around 490.000 t/a of municipal solid waste, replacing a thermal EFW plant from 1960 on the same site.



Client	: New Energy Corporation and Abu Dhabi developer Tribe Infrastructure
Start-up	: 2020
Start of Operation	: End of 2022
Technology	: HZI will be delivering everything from the waste crane to the stack in the form of effects proprietary combustion technology, including the reciprocating grate and a highly efficient multistage flue gas treatment.

Capacity of around 300,000 t/a of municipal and industrial waste. This will be used to generate 28.9 MWe of Energy.

Main Contractor : HITACHI ZOSEN INOVA AG-SWITZERLAND / ESINDUS S.A

Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion : 2020-2022

Description of work

- Duct Engineering ,Procurement, Fabrication
- Fabrication of Condensate tank
- Combustion Air Ducts Fabrication
- Fabrication of Bottom Ash Chute
- Grate riddlings Plate Works
- Fabrication of Feed Hopper
- Fabrication of Furnace Door and Grate Service Bridge
- Fabrication of Ram Type Bottom Ash Extractor



Main Contractor : HITACHI ZOSEN INOVA AG-SWITZERLAND

Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion : 2020-2021

Description of work

- Supply of 1Nos of Mobile Air Cannon
- Engineering and Manufacturing Works of Silos
- Fabrication of Combustion Air Duct
- Fabrication of Ram Type Bottom Ash Extractor
- Furnace Door, Grate Seervice Bridge

Client : Covanta and Biffa, Green Investment Group

Start-up : 2020

Start of Operation : 2023

Technology : HZI's air-cooled reciprocating grate and Hitachi Zosen Inova's dry flue gas treatment system. "The plant is equipped with a highly efficient flue gas treatment system that fully complies with the most stringent

Capacity of around 350,000 t/a treatment capacity for non-recyclable waste. This will generate 42 MW to power around 80,000 homes.



Client	: KEBAG AG
Start-up	: 2020
Technology	: HZI is responsible for the design and supply of main equipment such as grates, boilers and flue gas treatment equipment.
Fuel	: Municipal and commercial waste
Thermal Capacity	: 53,7 MW
Waste Capacity	: The two newly constructed combustion lines will be used to process 221,000 metric tons.
Flue Gas Treatment	: Hitachi Zosen Inova System

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

Main Contractor	: HITACHI ZOSEN INOVAAG-SWITZERLAND
Subcontractor	: Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion	: 2020-2021
Description of work	• Manufacturing of Boiler Non-Pressure Parts • Supply of Furnace Door and Grate Service



Client	: Dubai Waste Management Company
BOT / Concession	: Dubai Municipality
Start-up	: 2024
Components supplied	: Hitachi Zosen Inova and BESIX (BELGIUM) JV
Type of the system	: Air-cooled HZI reciprocating grate
Fuel	: Municipal and Industrial Waste
Calorific value	: 7-14 MJ/kg
Maximum throughput	: 53.6 t/h per line
Number of lines	: 5
Boiler design	: Four-pass boiler
Flue gas treatment	: Dry sorption with hydrated lime and activated carbon, SNCR
Thermal capacity	: 5*124,6 MW

With a capacity of 1'890.000 Mio t/a this is the largest turnkey project ever awarded in the WORLD.

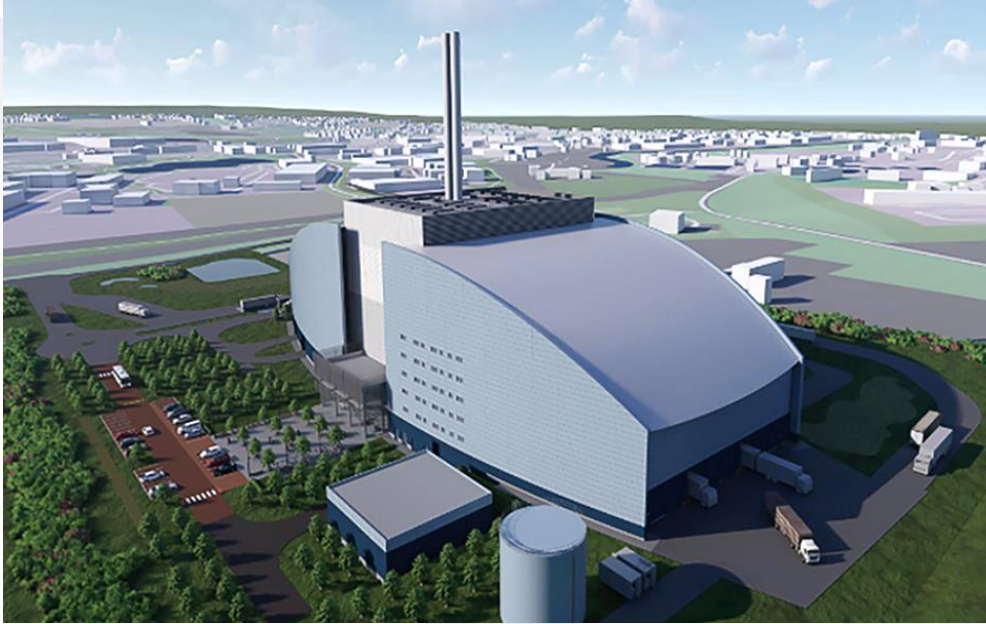
Main Contractor	: HITACHI ZOSEN INOVA AG-SWITZERLAND
Subcontractor	: Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion	: 2021
Description of work	• Furnace Door, Grate Service Bridge, Mobile Air Canon • Lot Plate Work Bent Fabrication FGT



Client	: JV of (SSE Thermal UK & Copenhagen Infrastructure III) Partners
Start-up	: 2021
Start of operation	: 2024
Technology	: The facility will produce electricity and heat through burning waste-derived fuels made from various sources of municipal solid waste, commercial and industrial waste, and waste wood.
Components supplied	: Hitachi Zosen Inova
Fuel	: Commercial Waste
Thermal Capacity	: 49.9 MW

The plant will process around 480,000 tonnes per year of mainly commercial waste from the Greater London Area, and generate around 49.9 MW of electricity. In this wise, facility will offset more than 147,000 tonnes of CO2 per year and provide power to more than 100,000 homes.

Main Contractor	: HITACHI ZOSEN INOVAAG-SWITZERLAND
Subcontractor	: Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion	: 2021
Description of work	• Furnace Door, Grate Service Bridge, Mobile Air Canon • Lot Plate Work Bent Fabrication FGT



Client : Enfinium Skelton Grange Limited

Start-up : 2021

Start of operation : 2025

Proprietary state-of-the-art Technologies

- The new plant will have two incineration lines, which will be equipped with HZI's own EfW technology. In addition to the HZI moving grate, it will also include XeroSorp®, the dry cleaning process, also from HZI.
- The multi-stage flue gas cleaning system is state-of-the-art, meets the strict requirements of the applicable emission directives and fully satisfies the high demands placed on a modern EfW system.

The plant will process annual recycling of 410,000 tonnes of residual (post-recycled) waste and will generate up to 49MW (gross) of electrical energy, which will contribute as baseload energy to the electricity supply of more than 100,000 English households.

Main Contractor : HITACHI ZOSEN INOVA AG-SWITZERLAND

Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion : 2021-2025

Description of work

- Boiler Non-pressure Parts
- Furnace Door
- Grate Service Bridge



Client : Brockwell Energy Ltd.

Start-up : Feb. 2022

Start of operation : 2025

Proprietary state-of-the-art Technologies

- The plant will be equipped with HZI's own technologies such as the HZI reciprocating grate, as well as their **boiler technology** and state of the art **flue gas treatment**. These processes will enable the Westfield facility to meet the strict emission directive requirements and satisfy the high demands placed on a modern EfW system..

The facility will generate 23MW of electricity by processing up to 240,000 tonnes of residual waste each year. HZI will also operate and maintain the facility on behalf of the client for 25 years.

Main Contractor : HITACHI ZOSEN INOVAAG-SWITZERLAND

Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion : 2021-2025

Description of work

- Mobile Air Cannon, Plate Work Bent-Common Engineering, Procurement, Fabrication
- Furnace Doors & Grate Service Bridge
- Ram Type Bottom Ash Extractor, Slide Gate



Client : North London Waste Authority

Start-up : Jan. 2022

Start of operation : 2025

Proprietary state-of-the-art Technologies

- North London Waste Authority has awarded a milestone EPC contract to ACCIONA, with Hitachi Zosen Inova providing the 'chute to stack' technologies for a new 700,000 t/a Energy Recovery Facility (ERF) at the Edmonton EcoPark, North London.

- 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 CO₂.
- The new ERF will also save the equivalent of 215,000 tonnes of CO₂ each year – the equivalent of taking 110,000 cars off the roads.

Main Contractor : HITACHI ZOSEN INOVA AG-SWITZERLAND

Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion : 2021-2025

Description of work

- Engineering & Documentatation (Boiler Sheet metal work)
- Material & Fabrication (Hoppers - H-pass)
- Material & Fabrication (Hoppers - V-ECO)
- Material & Fabrication (Ducts - outlet hood H-pass, inlet/outlet hood V-ECO, flue gas ducts Fabrication)
- Primer and Painting system 3 (Boiler Sheet metal work Fabrication)
- Packing and Transport FCA (Boiler Sheet metal work Fabrication)
- Lifting Device (Boiler Sheet metal work Fabrication)
- Furnace Door and Grate Service Bridge Fabrication, Engineering, Procurement
- Bottom Ash Chute, Grate riddlings Plate Works, Feed Hopper



Main Contractor : HITACHI ZOSEN INOVA AG-SWITZERLAND

Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion : 2023-2026

Description of work

- Mobile Air Cannon
- Boiler Non Pressure Parts - Hoppers - H-pass, Hoppers - V-ECO
- Ducts - outlet hood H-passi inlet/outlet hood V-ECO, flue gas ducts fabrication
- FGT Plate Work Bent Fabrication
- Furnace Door
- Grate Service Bridge

Client : Hitachi Zosen Inova

Start-up : March, 2023

Start of operation : 2026

Proprietary state-of-the-art Technologies

- HZI has already been preparing the contract with Indaver for the Rivenhall project for over 12 months.
- The EfW Part of the facility is on track to begin commercial operation in Q1 2026, with a capacity of 595,000 tonnes per annum.

HZI is building a new energy from waste plant at Rivenhall, Essex, England. Once completed, the plant will process up to 595'000 tonnes of residual waste per annum. Thermal treatment is done in 2 lines with 92 MWth each.



Client : Hitachi Zosen Inova

Start-up : 2023

Start of operation : 2026

Proprietary state-of-the-art Technologies

- HZI is building a new energy from waste plant at London, Belvedere, England. Once completed, the plant will process up to 805.920 tonnes of residual waste per annum. The thermal treatment is done in 2 lines, called Line 4 and Line 5. Both streams will have 102MW each.

With an annual capacity of 585,000 tonnes, the Riverside energy-from-waste plant is an important strategic river-served waste management facility for London. It helps the capital to manage its own waste, keeping over 100,000 HGVs off congested roads and makes a real contribution to the city's ability to meet its landfill diversion targets while producing electricity for more than 66,000 homes.

Main Contractor : HITACHI ZOSEN INOVA AG-SWITZERLAND

Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion : 2023-2026

Description of work

- Mobile Air Cannon
- 6 Units Ram Type Bottom Ash Extractor
- Furnace Door
- Grate Service Bridge



Client : Babcock & Wilcox

Start-up : 2012

Start of operation : 2015

Proprietary state-of-the-art Technologies

- At capacity, REF 2 will process more than one million tons (907,200,000 kg) of post-recycled municipal solid waste annually and 3,000 tons daily -- more than 660 curbside trucks worth of trash every day!

Renewable Energy Facility 2 is estimated to reduce the amount of waste going to SWA's landfill by up to 90 percent, ensuring the landfill lasts until 2053. (See the current Landfill Depletion Model report.) While reducing waste, it generates 100 megawatts of electricity for the people in Palm Beach County. That's enough electricity to provide power for an estimated 45,000 homes and businesses, or about all the homes in Boca Raton.

Main Contractor : Babcock & Wilcox

Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion : 2024

Description of work • Manufacture of 4 x DynaDischargers



Client : HZI

Start-up : 2012

Start of operation : 2015

Proprietary state-of-the-art Technologies

- The municipal association for recycling, disposal and waste water in Lucerne (REAL) has been operating the Energy-from-Waste plant (EfW) at Lucerne-Ibach as a heat and power generating plant since 1971. Since then, the Lucerne EfW-plant had been added to and extended several times, the last time in 1996.
- In 2015, almost 50 years after its commissioning, the old plant was replaced by a new EfW-plant (which has been given the name Renergia) in the proximity of the paper factory Perlen Papier AG (PEPA).

The investigated grate-fired energy-from-waste (EfW) plant Renergia is located close to Lucerne, Switzerland and started operation in 2015. Hitachi Zosen Inova (HZI) delivered the complete combustion system including the boiler, as well as the flue gas treatment system. The plant reacts high energy efficiency by exporting process steam to a nearby paper factory and by using an efficient combustion system based on the latest technology available for EfW plants.

Main Contractor : Hitachi Zosen Inova

Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion : 2023-2024

Description of work

- Slag expeller 1
- Slag expeller 2



Client : HZI
Start-up : 1972
Start of operation : 1974

Proprietary state-of-the-art Technologies

- Renova's waste-to-energy plant at Sävénäs in Gothenburg is one of the world's most advanced facilities for the incineration of waste for the production of heating and electricity. Around 300 trucks deliver waste to the plant on a daily basis. The waste is burned in four furnaces and the thermal energy generated is then transformed into electricity and district heating.

From every tonne of waste combusted today, we recover 3.3 MWh of energy in the form of electricity and district heating. 60 percent of our electricity production is labelled as biofuel-based origin. Every year, the waste-to-energy plant provides 30 percent of district heating in the region's network and 5 percent of the electricity needs of Gothenburg's population!

Main Contractor : Hitachi Zosen Inova
Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion : 2023-2024
Description of work : 4 Bottom Ash Extractors



Client	: HZI
Start-up	: 2024
Start of operation	: 2027
Technology	: Inova Grate
Technology and components designed by	: Hitachi Zosen Inova
Fuel	: Residual (non-recyclable) waste
Thermal capacity	: 49MWe

The Walsall facility will be located off Fryers Road. Full construction works on site will commence once Encyclis has completed groundworks at the site. Once the plant is operational, the single line will be capable of efficiently treating around 436,000 tonnes of residual (non-recyclable) waste per year, generating 49 MWe of low-carbon baseload electricity – enough to power 90,000 homes

Main Contractor	: Hitachi Zosen Inova
Subcontractor	: Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion	: 2023-2024
Description of work	: Furnace Door, Mobile Air Cannon, Bottom Ash Chute + Slite Gate Grate Riddlings Plate Work, Feed Hopper



Client : HZI
Start-up : 2024
Start of operation : 2027

Proprietary state-of-the-art Technologies

- **Business Entities:** The consortium formed by Inova, Marubeni and JOIN
- **Location:** Abu Dhabi, United Arab Emirates
- **Capacity:** 900,000 tons/year (2,700 tons/day) of municipal solid waste treatment

The project consists of constructing a new WtE plant (capacity: 900,000 tons of municipal solid waste per year = 2,700 tons per day, power generation capacity: 80 MW) and the operation and maintenance of the plant and sell power to Emirates Water and Electricity Company (hereinafter "EWEC") for 30 years after its completion. The project is expected to reduce CO2 emissions by 1.1 million tons per year.

Main Contractor : Hitachi Zosen Inova
Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion : 2024-2025
Description of work

- Furnace Door
- Ram Type Bottom Ash Extractor



Client : HZI

Start-up : 2024

Proprietary State-of-the-Art Technologies

- The current project will see the two older lines replaced with a new, highly efficient fourth line for which HZI is to design and deliver the grate combustion technology.
- The new line is to process non-hazardous municipal solid waste and to have a nominal throughput of 12.5 tonnes per hour, which corresponds to a nominal annual throughput of 100,000 tonnes of non-recyclable waste. The combined thermal output of the new lines stands at 43.6 MW.

Padova, Italy. Hitachi Zosen Inova (HZI) has formed a consortium with Italian boiler manufacturer Ruths S.p.A (Ruths), where HZI will design and deliver its grate combustion core technology to the new fourth line at the existing Padova Waste to Energy (WtE) facility owned and operated by Gruppo Hera. Ruths will supply the new line's boiler and will lead the construction and commissioning phases.

Main Contractor : Hitachi Zosen Inova

Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion : 2024-2025

Description of work

- Feed Hopper
- Grate Riddlings Plate Work
- Bottom Ash Chute

Feedhopper



Grate Riddling



Bottom Ash Chute



Boiler Non Pressure Parts



Silos



Bottom Ash Extractor



PROJECT NAME : Waste To Energy Plant

PLACE : Türkiye

SUBCONTRACTOR : DEHA TECH

SCOPE : Manufacturing 395 Ton

Project Start Date : 2018

Project Finish Date : 2019



DEHA TECH

PROJECT NAME : Waste To Energy Plant

PLACE : Türkiye

SUBCONTRACTOR : DEHA TECH

SCOPE : Manufacturing 106 Ton

Project Start Date : 2018

Project Finish Date : 2019



PROJECT NAME : Waste To Energy Plant
PLACE : Türkiye
SUBCONTRACTOR : DEHA TECH
SCOPE Manufacturing 45 Ton
Project Start Date 2019
Project Finish Date 2019



PROJECT NAME : Waste To Energy Plant
PLACE : Türkiye
SUBCONTRACTOR : DEHA TECH
SCOPE : Manufacturing 750Tons
Project Start Date : 2019
Project Finish Date : 2019



PROJECT NAME : Waste To Energy Plant

PLACE : Türkiye

SUBCONTRACTOR : DEHA TECH

SCOPE : Manufacturing 146 Tons

Project Start Date : 2019

Project Finish Date : 2019





EFW PROJECTS IN OPERATION

PROJECT NAME	: Waste To Energy Plant		
	Bamberg		
PLACE	: Germany		
CUSTOMER	: Clyde Bergemann		
	Termotec		
SUBCONTRACTOR	: DEHA TECH		
SCOPE	• Structural Steel 97 ton • Erection • Stainless Steel Spool Piping 1.200 wdi • Erection • Carbon Steel Spool Piping 1.500 wdi • Erection • Equipment Ducting and 85 ton • Chutes Prefabrication and Erection • Cladding 1.450 sqm		
Project Start Date	: Mar 2013		
Project Finish Date	: May 2013		
Total Manhours	: 13.125 mhr		
Peak Time Worker	: 30 Direct employee		
Average Worker	: 25 Direct employee		



PROJECT NAME	: Waste To Energy Plant Hagen										
PLACE	: Germany										
CUSTOMER	: Clyde Bergemann Termotec										
SUBCONTRACTOR	: DEHA TECH										
SCOPE	<table><tr><td>• Structural Steel Erection</td><td>78</td></tr><tr><td>• Stainless Steel Spool Piping Erection</td><td>650</td></tr><tr><td>• Carbon Steel Spool Piping Erection</td><td>950</td></tr><tr><td>• Equipment Ducting and Chutes Prefabrication and Erection</td><td>62</td></tr><tr><td>• Cladding</td><td>1200</td></tr></table>	• Structural Steel Erection	78	• Stainless Steel Spool Piping Erection	650	• Carbon Steel Spool Piping Erection	950	• Equipment Ducting and Chutes Prefabrication and Erection	62	• Cladding	1200
• Structural Steel Erection	78										
• Stainless Steel Spool Piping Erection	650										
• Carbon Steel Spool Piping Erection	950										
• Equipment Ducting and Chutes Prefabrication and Erection	62										
• Cladding	1200										
Project Start Date	: Mar 2013										
Project Finish Date	: May 2013										
Total Manhours	: 10.625 mhr										
Peak Time Worker	: 30 Direct employee										
Average Worker	: 25 Direct employee										



PROJECT NAME	: Waste To Energy Plant Plymouth		
PLACE	: United Kingdom		
CUSTOMER	: Clyde Bergemann Termotec		
SUBCONTRACTOR	: Türkiye		
SCOPE	• Structural Steel Erection	310 Ton	
	• Stainless Steel Spool Piping Erection	2350 WDI	
	• Carbon Steel Spool Piping Erection	3800 WDI	
	• Equipment Ducting and Chutes Prefabrication and Erection	252 Ton	
	• Cladding	8000 SQM	
Project Start Date	: May 2013		
Project Finish Date	: Sep 2013		
Total Manhours	: 27.500 mhr		
Peak Time Worker	: 55 Direct employee		
Average Worker	: 30 Direct employee		





POWER PLANT PROJECTS



Main Contractor

: CALIK ENERGY

Subcontractor

: Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion

: 2012 - 2013

Description of work

: RAW CRUDE OIL TANKS, LDO STORAGE TANKS, TREATED CRUDE OIL TANKS, CERTIFIED CRUDE OIL TANKS, RAW WATER TANKS, FIRE WATER TANKS, DEMIN WATER TANKS, STORAGE TANKS (TOTAL CAPACITY: 95,000 CBM)

DEHA TECH



Main Contractor

: GAMA/POSCO

Subcontractor

: Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion

: 2015

Description of work

: ENGINEERING SITE ERECTION WORKS OF 5 NOS API 650 TYPE FUEL OIL AND DIESEL STORAGE TANKS
Extra Works, Lime Stone Storage Silo, BOP Piping

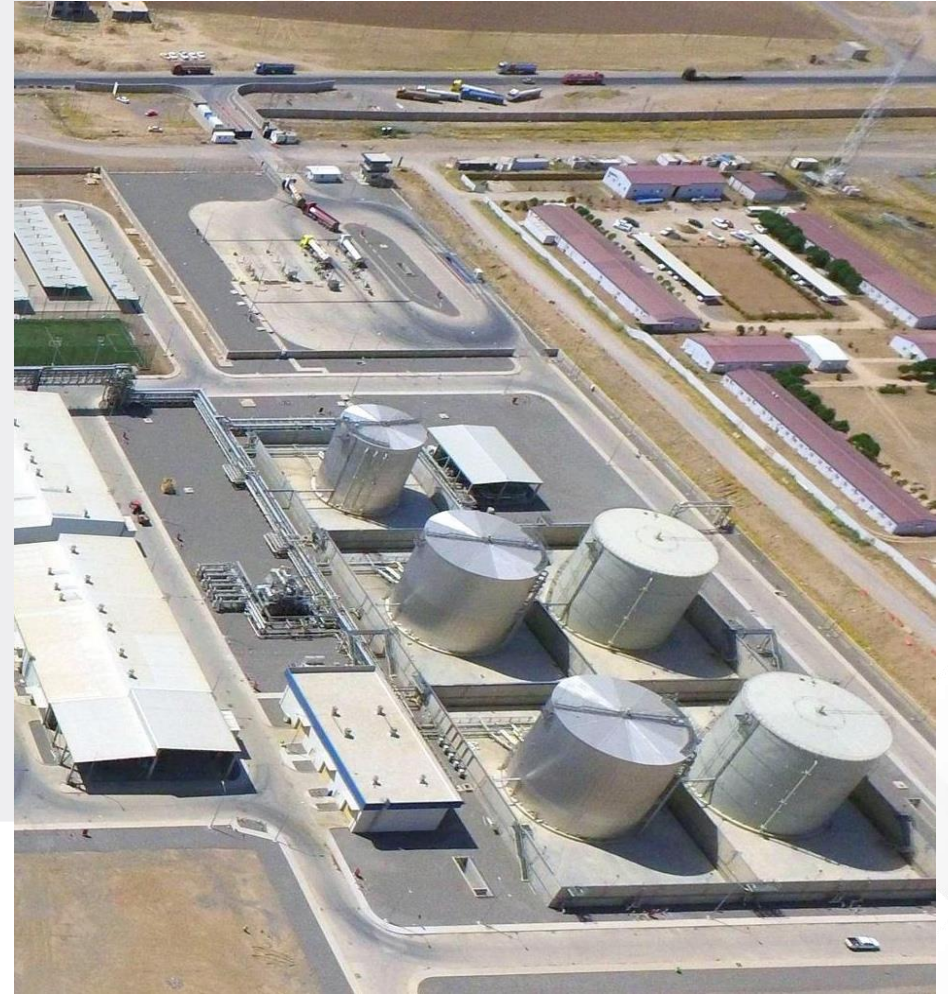
DEHA TECH



DEHA TECH

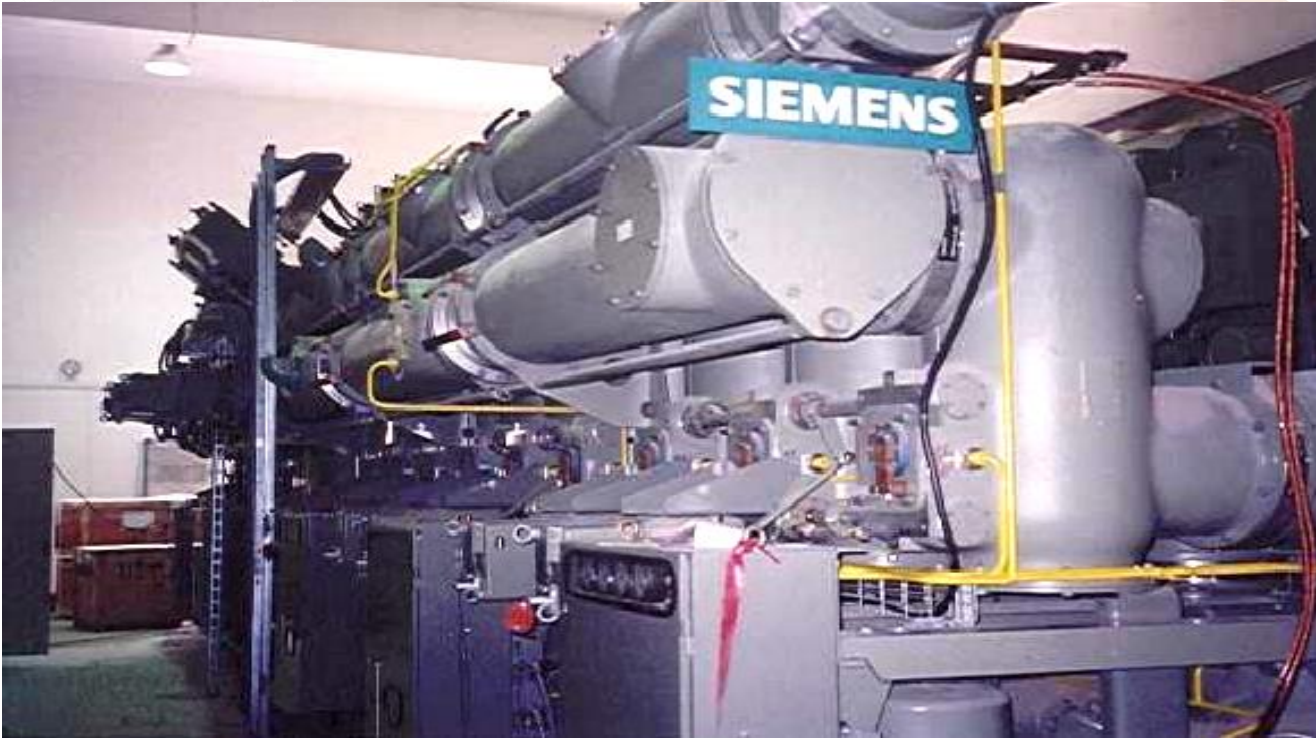


Fuel Oil and Diesel Storage





- Owner** : Eskişehir Industrial Power Generation Auto Production Group Co.
- Supplier of Main Equipment** : European Gas Turbines – SA GEC ALSTHOM
- Contractor** : Deha Tech Makina ve Sanayi Tic. A.Ş.
- Date of Completion** : April 1998
- Description of work** : Complete Mechanical, Electrical and Instrumentation Installation Works of a Frame 6 type Gas Turbine Power Plant (The first stage of the Combined Cycle Power Plant) including;
- 328 tons Mechanical and Electrical Equipment.
 - 10 tons Piping.
 - 3 tons Power & Control Cables.
 - Complete NDT Services.



- Owner** : TEAS, Turkish Electricity Corp.
Main Contractor : SİMKO – SIEMENS
Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion : August 1998, Selimiye S / S - November 1998, Levent S / S
Description of work : Complete Electrical, Mechanical and Instrumentation Installation Works of 170 kV GIS (Gas Insulated Switchgear) Transformer Substations including;
- 17 no. 154 kV GIS Switchgear Feeders.
 - 65 no. 34.5 kV Metal Enclosed Switchgear Feeders.
 - 43 no. 11 kV Metal Clad Switchgear Feeders.
 - 75 no. Control & Protection Panels for HV and LV Systems.
 - 44 km. HV / MV / LV and Control Cables and Accessories.
 - AC & DC and Auxiliary Systems.



- Owner** : Tengizchevroil
Main Contractor : BETCHEL ENKA J.V
Fabrication Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion : November 1998
Description of work : Fabrication of Pipe Spools for the Interconnecting Piping System of 4 no.'s ..of.FM type Utility Boilers and Pipe Connections to Water Demineralization ..Plant including; ..
- 80 tons Pipe Spools (Pipe diameters.range from 2" to 14").
 - Complete NDT Services.
 - Painting of Pipe Spools.



Owner

: Bis Energy

Main Contractor

: Babcock & Wilcox GAMA (BWG)

Subcontractor

: Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion

: July 1999

Description of work

- : Complete Mechanical, Electrical and Instrumentation Installation Works of two HRSG's, one for Frame 6, and one for LM 6000 type Gas Turbines and all External Piping Work including;
 - *Frame 6 HRSG contains about 660 tons of Pressure Part and 300 tons of Non Pressure Part.*
 - *LM 6000 contains about 440 tons of Pressure Part and 200 tons of Non Pressure Part.*
 - *External Piping total weight (Alloy, SS and CS) is about 260 tons.*
 - *Piperack and Pipe Support weight is about 240 tons.*
 - *Heaviest Single Piece in this project was a Heating Module (173 tons) which was handled by one 440 t. and one 330 t. Hydraulic Mobile Cranes together.*
 - *Complete Electrical and Instrumentation Installations.*



- Owner** : OAO TOMSKNEFT VNC
- Main Contractor** : Bateman International B.V, GAMA Industrial Plants Manufacturing & Erection Corp.
- Subcontractor** : Deha Tech Makina ve Sanayi Tic. A.Ş.
- Date of Completion** : November 1998
- Description of work** : Complete Electrical and Instrumentation Installation Works of Main Compressor Station and Booster Compressor Station including;
- 6 no. Power Transformers and Diesel Generators.
 - 134 no. MV, LV Switchgears and MCC's and HT panels.
 - 315 no. Lighting Fixtures including Poles, Supports and Accessories.
 - 262 km. Power & Control and Instrument Cables including Terminations.
 - 22 km. Heat Tracing Cables and complete HT Systems.
 - 25 km. Cable Ladders, Trays and Conduits.
 - 3120 no. Field Instruments including Calibration and Loop Checks.
 - 8 km. Instrument Impulse Piping.
 - 30 no. Instrument Panels (DCS & ESD Systems).
 - UPS, Power Metering and Monitoring Systems, Complete Lightning Protection & Grounding Systems.
 - Fire & Gas Detection Systems, Telephone & Communication Systems.



- Owner** : Nuh Çimento A.Ş.
Main Contractor : NEM – Netherlands
HRSG Subcontractor : Babcock & Wilcox GAMA (BWG)
Erection Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion : October 1999
Description of work : Complete Mechanical, Electrical and Instrumentation Works of one HRSG for LM 2500+ type Gas Turbine and all External Piping Work including;
- HRSG contains about 285 tons of Pressure Part and 253 tons of Non Pressure Part.
 - External Piping total weight (alloy, SS and CS) is about 27 tons.
 - Pipe Rack and Pipe Support weight is about 25 tons.
 - Heaviest Single Piece in this project was the Heating Module (140 tons) which was handled by one 440 t. and one 330 t. Hydraulic Mobile Cranes together.
 - Complete Electrical and Instrumentation Installations.



Owner

: Çayeli Copper Works Inc.

Main Contractor

: Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion

: March 1999

Description of work

: Civil Construction and Mechanical , Electrical and Instrumentation Erection Works of Paste fill Plant including;

- Complete Civil Works.
- Supply, Fabrication and Erection of a Three Storied Steel Building.
- Supply, Fabrication and Erection of an Elevated Steel Thickener Tank and an Agitated Storage tank.
- Mechanical Erection of all Plant Equipment.
- Supply and Erection of Victaulic Grooved Piping and Utility Piping Systems.
- Supply of Power & Control and Instrument Cables, complete Plant Instruments, Lighting Fixtures.
- Complete Electrical and Instrumentation Erection Works.
- Modification Works to existing Thickeners and Tailings Disposal System.



Owner : Trakya Elektrik A.Ş.
Main Contractor : NOOTER ERIKSEN – U.S.A.
Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion : June 1999
Description of work • Repair and replacement of internals on two silencers
• Supply of material, fabrication and erection of new Bundle bypass plates inside both Heat Recovery Steam Generators



Owner : Trakya Elektrik A.Ş.
Main Contractor : ENRON Engineering and Construction Co. – U.S.A
Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion : September 1999
Description of work : Various repair and new complementary works inside Steam and Gas Turbines Building, Heat Recovery Steam Generators and BOP. The works include material supply and fabrication.



- Owner** : Trakya Elektrik A.Ş.
Main Contractor : Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion : January 2000
Description of work : Underground and Aboveground fire water piping installation.
 - Stainless steel piping
 - H.D.P.E underground piping
 - NDT Services
 - Excavation, back filling and concrete works.



- Owner** : Trakya Elektrik A.Ş.
Main Contractor : Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion : February 2000
Description of work : Turnkey construction of one Warehouse & Weldingshop building.

Engineering Design

- Fabrication, Painting and Erection of 22 tons steel Structures.
- Supply and Erection of 600 m² roof and sidewall cladding.
- Supply and erection of Electrical Power & Lighting Systems and Fire Alarm System.





- Owner** : TÜPRAŞ, Turkish Petroleum Refineries Corp. İzmir Refinery
Consultant : Foster Wheeler Italiana
Main Contractor : GAMA Industrial Plants Manufacturing and Erection Corp.
Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion : September 2000
Description of work : CCR & Isomerization Plant project, Spool Fabrication and Erection works of Underground and Aboveground Pipe Lines including;
- 645 tons On site Aboveground Piping Erection
 - 285 tons Off site Aboveground Piping Erection
 - 215 tons On site Underground Piping fabrication and Erection
 - 100 tons Pipe Support Fabrication and Erection



- Owner** : Çayeli Copper Works Inc.
Consultant : Foster Wheeler Bimaş
Main Contractor : Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion : August 2000
Description of work : Civil Construction and Mechanical, Electrical and Instrumentation Erection Works of Mill Plant modifications including;
- Civil Construction works of a New Lime Storage Building and a Compressor Building.
 - Civil Modification Works at the Mill Plant.
 - Supply, fabrication and erection of Steel Structures.
 - Installation of a New Filter Press at the Mill Plant.
 - Supply and Installation of pipes, fittings valves, vessels etc. at the Mill Plant.
 - Supply and Installation of Electrical and Instrumentation equipment and materials.



- Owner** : Joint Stock Company AZERENERJİ
- Consultant** : Burns and Roe Enterprises, Inc.
- Main Contractor** : Mitsubishi Heavy Industries ,Ltd.
- Civil and M/E/I Erection** : TML – BOROVA
- Works Subcontractor** : Deha Tech Makina ve Sanayi Tic. A.Ş.
- Date of Completion** : November 2000
- Description of work** : Rerouting of existing Power Plant active facilities such as pipe lines (Fuel Gas, Fuel Oil, H₂&CO₂ Gas, Steam, Raw/Condensate/Make-up Water, Chemical & Hydrazinepipelines) and **U/G cables which are run through, new Power Plant area including;**
- 163 tons Piping Fabrication and Erection.
 - 22 tons Pipe Support Fabrication and Erection.
 - 1,700 m U/G Power Cables Installation.
 - 7,700 m² Painting including supply of Paint Material.
 - 1,425 m² Insulation of pipelines.



- Owner** : Eskişehir Industrial Power Generation Autoproducor Group Co.
Supplier of Main Equipment : BABCOCK & WILCOX ESPANOLA S.A
Contractor : Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion : April 2001
Description of work : Complete Mechanical and Instrumentation Erection Works of a Heat Recovery Steam generator and associated equipment.
- 523 tons Mechanical Equipment.
 - 17 tons Piping including supports and valves.
 - Complete Instrument Installation works including supply of cables, cable trays, Conduits and junction boxes.
 - Complete Inspection and Test. (i.e. NDT, PWHT, HT, Blow-out)



Owner

: TÜPRAŞ, Turkish Petroleum Refineries Corp. İzmit Refinery

Consultant Main

: Technicas Reunidas

Contractor

: Technicas Reunidas – ENTES A.Ş. Consortium

Subcontractor

: Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion

: December 2001

Description of work

: Fabrication, Erection Testings and Cleaning Works of Process and Utility Piping Both Above and Underground Inside Boundary Limits of Isomerization Project.

- Piping Materials; Carbon Steel, Alloy Steel and Stainless Steel
- Pipe diameters ranging from ½" to 30"
- Total pipe quantity 1,320 tons.
- 144,720 dia-inch Welding Joints and 5,450 dia-inch threaded joints
- 361 no. of test packages.



Owner	: Joint Stock Company AZERENERJİ
Consultant	: Burns and Roe Enterprises, Inc.
EPC Main Contractor	: Mitsui & Co. Ltd.
Sub – Contractors	: Mitsubishi Heavy Industries ,Ltd. and ABB
Civil Works s/c	: TML – BOROVA
M/E/I Erection Works s/c	: Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Start / Completion	: M/E/I Works 01 August 2001 / 15 November 2002
Description of work	: Complete Mechanical / Electrical / Control & Instrumentation Erection Works of 400 MW Single-Shaft

Combined Cycle Power Plant including Structural Steel works of GT Building / Pump House and Underground CW Pipeline.

400MW, Single Unit, Combined-Cycle, Single-Shaft, Dual Fuel Plant.

- GT** : one **Mitsubishi M701 F Gas Turbine** (made in Takasago, Japan)
- ST** : one **Mitsubishi TC2F-35.4 Re-Heat Cycle Steam Turbine** (made in Japan)
- HRSG** : one **CMI Triple Pressure + Reheat, Natural Circulation** (made in Belgium)
- GEN** : one **ABB -ALSTOM 50WT21H-120, Hydrogen Cooled** (made in Switzerland)
- OTHERS** : Water Treatment, Waste Water Treatment, Aux. Boiler, Storage Tanks, Water Intake Pumps, 110 kV GIS System

DEHA TECH

ERECTION SCOPE OF WORKS

MAJOR EQUIPMENT

• Gas Turbine & Auxiliaries	: 710 ton
• Steam Turbine & Auxiliaries	: 960 ton
• Main Transformer	: 270 ton
• Gas Compressor	: 110 ton
• Water Treatment Plant	: 100 ton
• Start – Up Boiler	: 175 ton
• Others	: 800 ton
Total	: 3125 ton

HRSG

• Steel Structure	: 480 ton
• Modules	: 1666 ton
• Drums & BDT	: 136 ton
• Casing, Ducting & Stack	: 211 ton
• Piping	: 230 ton
• Insulation	: 75 ton
• Others	: 50 ton
Total	: 2848 ton

PIPING

• Cooling Water Pipes	: 2500 ton
• Power House & Off-Sites	: 1200 ton
Total	: 3700 ton

STEEL STRUCTURE

• Turbine – Gen. Building	: 1200 ton
• Others	: 445 ton
Total	: 1645 ton

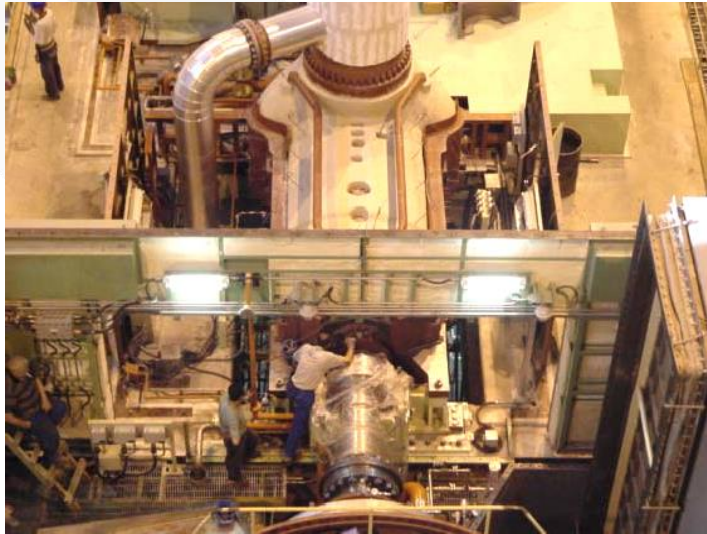
STORAGE TANKS

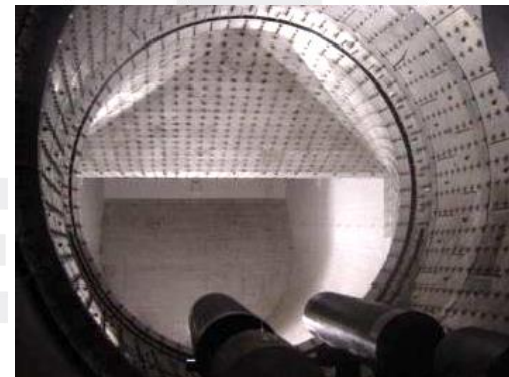
• CST10000qm, FOT 5000qm	: 414 ton
• SW/FW, PW, LOT	: 93 ton
Total	: 506 ton

ELECTRICAL & INSTRUMENTATION

• Power & Lighting Cables	: 118 km
• Control & Instrum. Cables	: 213 km
• Switchgears, UPS, Batteries	
• Control Systems, Instruments	









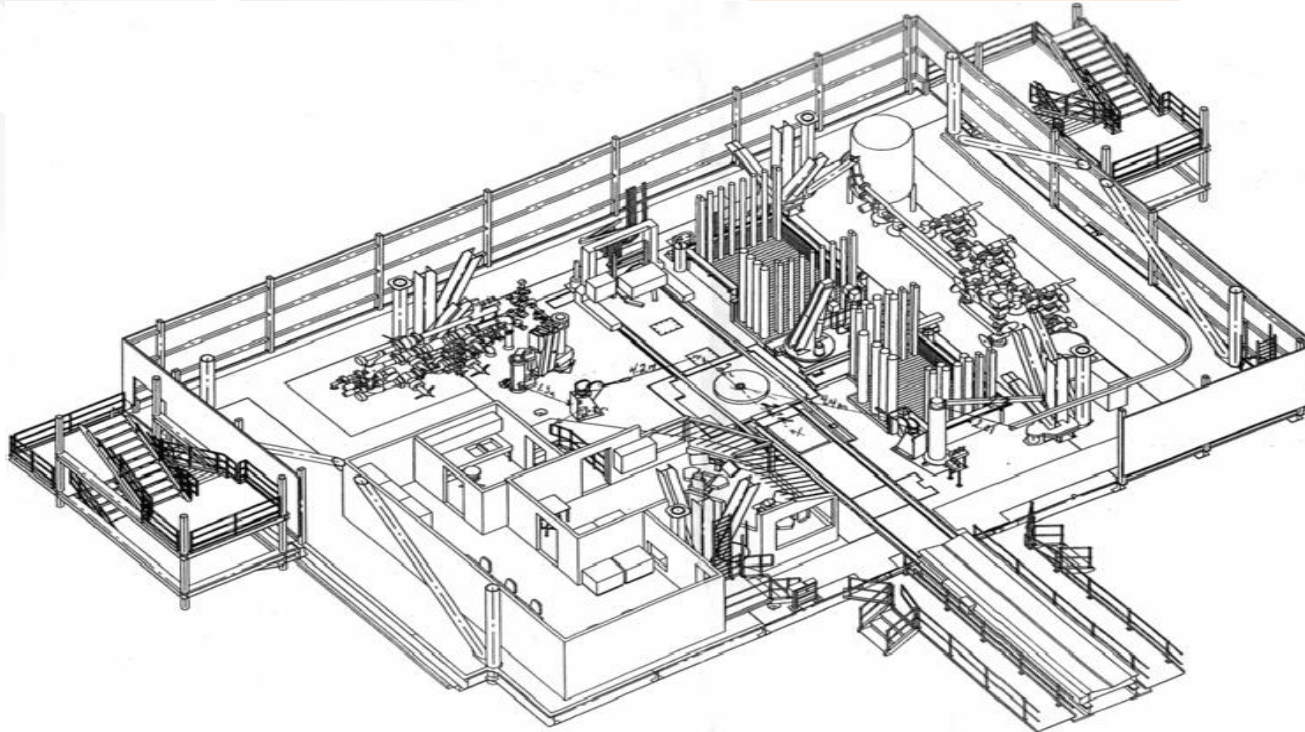


- Owner** : Ankara Chamber of Industry, Organized Industrial Zone Administration
- EPC Contractor** : ZORLU Enerji Electric Generation Auto producer Group Co. Inc.
- Supplier of HRSG** : AALBORG Engineering A/S – Denmark
- Contractor** : Deha Tech Makina ve Sanayi Tic. A.Ş.
- Date of Completion** : October 2002
- Description of work** : Complete Mechanical, Electrical and Instrumentation Erection Works of a Heat Recovery Steam generator and associated equipment.
- 345 tons Mechanical Equipment.
 - 25 tons Piping including supports and valves.
 - Complete Electrical and Instrument Installation works including supply of Electrical Heat Tracing System, Conduits and junction boxes.
 - Complete Inspection and Test. (i.e. NDT, PWHT, HT, Blow-out)



Owner
Main Contractor
Civil Works
Mechanical Works S/C
Date of Completion
Description of work

- : Azerbaijan International Operating Company
- : McDermott Caspian Contractors Inc.
- : TML – BOROVA
- : Deha Tech Makina ve Sanayi Tic. A.Ş.
- : August 2002
- : Complete Mechanical Works within the scope of Miscellaneous Civil Works Contract including;
 - Design, supply, installation and commissioning of utility piping (water, fire water, compressed air, propane, oxygen and underground sewer) systems
 - Installation and commissioning of water and fire water pumps
 - Chemical cleaning of gas piping systems in various parts of the SPS Fabrication Yard
 - Fabrication of embedded steel items for pile caps



Owner	: Azerbaijan International Operating Company
Main Contractor	: McDermott Caspian Contractors Inc.
Civil and Mech. Erection Works Subcontractor	: TML – BOROVA
Date of Completion	: April 2003
Description of work	: Fabrication and Erection of Dummy Drill Floor Steel Structure including; • Detail Design • Supply and Fabrication of I1800x990x60x35 Built-Up Beams • Supply and Fabrication of Dummy Drill Floor Beams and Deck Plates • Erection of above



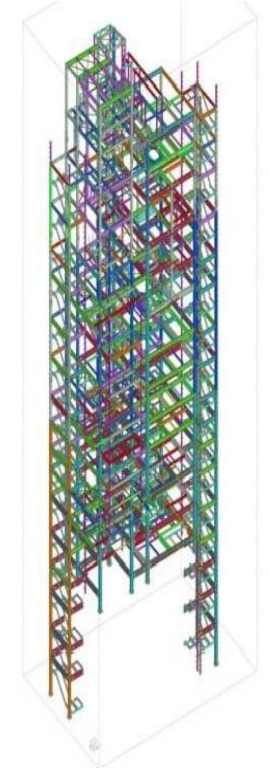
Owner
Main Contractor
Civil and M/E/I Erection
Works Subcontractor

: Joint Stock Company AZERGAZ
: Toyo Engineering Corp.
: TML – BOROVA
: Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion
Description of work

: August 2003
: Complete Mechanical / Electrical / Control & Instrumentation Erection Works of Gas Compressor Station also including;

- Supply of all structural steelwork for compressor building and pipe racks
- Design, supply and fabrication of fire works storage tank
- Supply and fabrication of vent stack



Owner	: OAO Slavneft - Yaroslavlnefteorgsintez
Main Contractor	: TOYO Engineering Corporation (Japan)
Fabrication Subcontractor	: Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion	: April 2004
Description of work	: Supply and Fabrication of 550 metric tons of structural steel for the Yaroslavl Refinery Modernization Project. 72m height Reforming and Regeneration Structure including; • Detail Design • Shop Drawings and Erection Drawings • Supply of raw material • Surface preparations and painting • Fabrication of columns, girders, sub beams, staircase, ladders, handrails, hoist rails and gratings • Complete QC Service



Owner
Main Contractor Sub
Contractor Mechanical
Works Date of
Completion
Description of work

: Azerbaijan International Operating Company
: BP, Mc DERMOTT Caspian Contractors Inc.
: TML (Civil works)
: Deha Tech Makina ve Sanayi Tic. A.Ş.
: October 2004
: Complete Mechanical Works within the scope of; external mechanical works, external fire and safety works.

- Design ,supply, fabrication, installation and commissioning of piping (loading pipes to quayside and rundown lines, main water supply lines, connection with diverting existing main, process unit piping, fire fighting pipes.
- Installation and commissioning of water and fire pumps, process unit, treatment plant
- Design ,supply, fabrication and installation of support systems
- NDT works.



Owner	: Akenerji
Main Contractor	: General Electric Energy Products Europe
HRSG Contractor	: NEM BV, The Netherlands
Subcontractor	: Deha Tech Makina ve Sanayi Tic. A.Ş.
Contract Date	: 22 .01.2004
Date of Completion	: December 2004
Description of work	: Complete Mechanical and Instrument Erection Works of 2 Heat Recovery Steam Generators and associated equipment • 32 Tons piping including supports and valves • Instrument Installation • Supply and installation of Insulation • NDT, PWHT services



Owner Consultant
Main Contractor
Subcontractor
Date of Completion
Description of work

- : TÜPRAŞ, Turkish Petroleum Refineries Corp. İzmit Refinery
- : Technicas Reunidas
- : Technicas Reunidas – Alarko-Akfen Joint Venture Consortium
- : Deha Tech Makina ve Sanayi Tic. A.Ş.
- : December 2005 (1st Phase) – June 2006 (2nd Phase)
- : Fabrication, Erection Testings and Cleaning Works of Process and Utility Piping Both Above and Underground Inside and Outside Boundary Limits of Desulphurization Project.
- Piping Materials; Carbon Steel, Alloy Steel and Stainless Steel
- Pipe diameters ranging from 1/4" to 72"
- Total pipe quantity 2,100 tons.
- Total support quantity 200 tons.
- Welding quantity : Shop 103,500 dia inch (38,400 joint) Field : 62,150 dia inch (20,330 joint)



Owner : AZERENERJI JSC.

Main Contractor : SIEMENS AG. Power Generation

Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Contract : August 2005

Date of Completion : May 2007

Description of work : Engineering, Supply, Manufacturing, Erection and Commissioning of 2 Heat Recovery Steam Generators



Owner	: DUBAL Aluminium Company.
Main Contractor	: ALSTOM Power Controllers - CMI Energy HRS
Subcontractor	: Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Contract	: April 2006
Date of Completion	: June 2007
Description of work	: Engineering, Supply, Manufacturing, Erection and Commissioning of 2 Heat Recovery Steam Generators



Owner : SAUDI ARAMCO
EPC Main Contractor : SNAMPROGETTI S.p.A – SAUDIA
Mechanical Works Contractor : TEKfen INSAAT VE TESISAT A.S. – Saudi Arabian Branch
Piping Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion : March 2009
Description of work : Erection of Utility Piping Systems and Internal piping of 4 nos. of HRSG units
• Installation, testing and commissioning of utility piping systems 41,200 Wdi
• Installation and testing of Internal piping of 4 HRSG Units under ASME S Code, 3,000 Wdi



Owner	: AES Corporation
EPC	: ALSTOM Power
Main Contractor	: TGO Ltd.
Subcontractor	: Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion	: August 2009
Description of work	: Fabrication, Erection Testings and Cleaning Works of Piping Both Above and Underground Inside and Outside Turbine Building • Piping Materials; Carbon Steel, Alloy Steel and Stainless Steel • Pipe diameters ranging from 1/4" to 72" • Total pipe quantity 2,100 tons. • Total support quantity 200 tons. • Welding quantity Shop : 103,500 dia-inch (38,400 joint), Field : 50,000 dia-inch



Owner : KESH Albanian Power Corporation
Main Contractor : MAIRE TECNIMONT S.p.A
Subcontractor : Deha Tech Makina ve Sanayi Tic. A.Ş.
Date of Completion : September 2009
Description of work : Complete Mechanical Erection , Piping, Insulation and Painting Works of 100 MW Single-Shaft Combined Cycle Power Plant.

- Gas Turbine, Steam Turbine, Generator and auxiliaries (Supplied by Ansaldo-Italy)
- HRSG (Supplied by Nooter Ericssen – Italy)
- Condenser (Supplied by Ofmeco– Italy)
- Piping and Supports (Fabrication, Erection, PWHT, NDT, Painting ,Insulation, Testing)
- BOP Equipments and Systems i.e. Water Treatment Plant, Sea Water Pumps, Fuel Oil Storage, etc.
- 4300 m. API 5L Fuel Oil Piping for Offshore connection between CBMS and Site (Welding and NDE testing)



Service and Fire water Tank

Demineralized Water Tank

Condensate Water Tank

Desalinated Water Tank

Potable Water Tank

Filtered Water Tank

Main Contractor

: GAMA

Subcontractor

: Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion

: 2012-2013

Description of work

: Storage Tanks API650 EPC, turnkey

- Engineering

- Fabrication

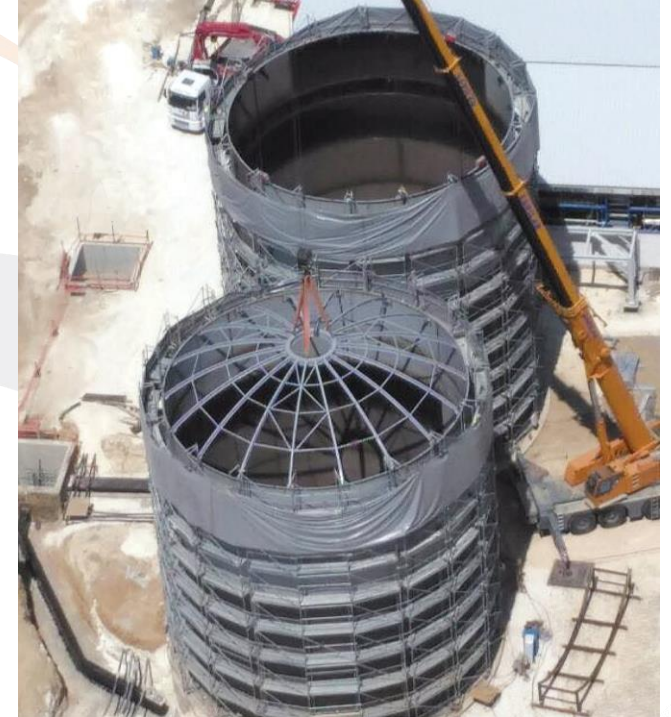
- Erection

- Tank inner piping works of 7 units of Field erected storage tanks



DEHA TECH





Main Contractor

: GAMA Power System

Subcontractor

: Deha Tech Makina ve Sanayi Tic. A.Ş.

Date of Completion

: 2016

Description of work

- Field Erected Storage Tanks
- 1 Nos 2500 m3 Demineralized Water Tank
- 1 Nos 3000 m3 Raw & Fire Water Tank

DEHA TECH















REFERENCES & WORK EXPERIENCE LISTS

Reference List of Heat Recovery Steam Generator Installations

Serial No.	END USER and PROJECT SITE	COUNTRY	GT		HRSG							PLANT		COMMISS. DATE	REMARKS
			Supplier	Model	Qty	Type (Draft)	Designer	Manufacturer	Capacity t/h	Pressure barA	Temp. °C	Capacity in MWe	Layout		
1	KESH Albanian Electricity Corporation Vlore CCPP	Albania	Ansaldo	V64.2	1	Horizontal	NOOTER ERIKSEN	NOOTER ERIKSEN	100.6 13.7 7.8	82.5 15.5 2.8	540 299.4 250.9	100	1(1-1-1) Single Shaft	2009	Triple Pressure Natural Circulation
2	Joint Stock Company AZERENERJİ Sumgait CCPP	Azerbaijan	Siemens	SGT5-200E	2	Horizontal	CMI	EPRO	243 57	85 5	529 201	506	1(2-2-1)	2007	Dual Pressure Natural Circulation
3	DUBAL Aluminium Company Dubai CCPP22	UAE Dubai	Alstom	GT13E2	2	Vertical	CMI	EPRO	216 54	70 6	517 267	470	1(2-2-1)	2007	Dual Pressure Natural Circulation
4	AKENERJİ Electricity Generation Co. Inc. Kemalpaşa CCPP	Turkey	GE	Frame 6C	2	Horizontal	NEM	NEM	57.6 8.2	58.1 4.4	537.8 203.2	126	1(2-2-1)	2005	Dual Pressure Natural Circulation
5	ZORLU Enerji Electricity Generation Co. Inc. Ankara Sincan OİZ CCPP	Turkey	GE	LM 6000 PC	1	Vertical	AALBORG	AALBORG	40 20	49 2	400 150	55	1(1-1-1)	2003	Dual Pressure Natural Circulation
6	Joint Stock Company AZERENERJİ Severnaya CCPP	Azerbaijan	MHI	701F	1	Vertical	CMI	CMI	277 43 48 306	107 38 5 35	540 269 252 588	400	1(1-1-1) Single Shaft	2002	Triple Pressure + Reheat Natural Circulation
7	EEE Eskişehir Ind. Elect. Gen. Autopr. Co. Inc. Eskişehir OİZ CCPP	Turkey	EGT GEC-Alstom	Frame 6B	1	Horizontal	B&W ESPANOLA	BWE	59.4 13.8	55 6	499 199	55	1(1-1-1)	2001	Dual Pressure Natural Circulation
8	NUH Enerji Electricity Generation Co. Inc. Hereke CCPP	Turkey	GE	LM 2500+	1	Horizontal	B&W GAMA	BWG	37.5 5.5	59 3.5	450 209	38	1(1-1-1)	1999	Dual Pressure Natural Circulation
9	BİS Enerji Electricity Generation Co. Inc. Bursa OİZ CCPP	Turkey	GE	Frame 6B	1	Horizontal	B&W GAMA	BWG	55 25	55 4	440 150	180	1(3-3-1)	1999	Dual Pressure Natural Circulation
				LM 6000 PC	1				40 20	45 2	400 150				

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COUNTRY	MAIN BUSINESS AREA	PROJECT CODE	PROJECT NAME	SCOPE	FROM (MM/DD/YYYY)	TO (MM/DD/YYYY)	TYPE OF CONTRACT	CLIENT (MAIN CONTRACTOR)	PROJECT OWNER (END USER)	SERVICE	STATUS
UAE	EW Plant	3769-03	Abu Dhabi EFW	Furnace Door	2.10.2024	25.07.2025	Sub Contractor & Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Manufacture	On Going
ENGLAND	EW Plant	3862-05	Walsall	Mobile Air Cannon	3.10.2024	25.11.2025	Sub Contractor & Manufacturer	Kanadevia INOVA	Kanadevia INOVA	Manufacture	On Going
ITALY	EW Plant	3938-01 3938-02 3938-03	Padova Efw Plant	• Feed Hopper • Grate Riddings Plate Work • Bottom Ash Chute	18.09.2024	27.09.2025	Sub Contractor & Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Manufacture	On Going
TÜRKİYE	Oil and Gas, Petroleum, Refinery	4007-01	İzmit Refinery Column Supply Project	7C-13 PRAC Column Receiver	17.09.2024	20.01.2025	Sub Contractor & Manufacturer	TÜPRAŞ	Tüpraş	Manufacture	On Going
TÜRKİYE		3871-01	Istanbul University Alemdar II Ship Revision Procedures	• Maintenance of the windlass motor • Removal of the main windlass and ship chains using a crane • Complete removal of the windlass feet and surface residues, and cleaning of the ship's steel surface • Renewal of the windlass base plate • Re-manufacture and installation of the windlass foundation • Complete assembly of the system and delivery after testing • Procurement and installation of the gear with a 38 cm diameter and 80m width, made from material coded Tin 14		8.05.2024	Sub Contractor & Manufacturer	Istanbul Üniversitesi	Istanbul Üniversitesi		Completed
LEBANON	Oil and Gas, Petroleum, Refinery	4022-01	LPG Project	5 x 2141m ³ Buried LPG Tanks	20.08.2024	23.08.2025	Sub Contractor & Manufacturer	Coral Oil Company Limited	Coral Oil Company Limited	Fabrication	Ongoing
AZERBAIJAN	Oil and Gas, Petroleum, Refinery	3797-01	Sangachal refinery	Fabrication of DPCU Hot Oil Surge Drum	26.07.2024	19.03.2025	Sub Contractor & Manufacturer	ENCOTEC CJSC	Kvaerner Process Systems	Fabrication	Ongoing
UAE	EW Plant	3749-03	Abu Dhabi	Ram Type Bottom Ash Extractor	25.07.2024	25.04.2025	Sub Contractor & Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Manufacture	Ongoing
TÜRKİYE	FERTILIZER PLANT	3978-01	Common Engineering for Heat Exchanger	Thermal & Mechanical Engineering of Heat Exchanger (E-410)	1.08.2024	15.09.2024	Sub Contractor & Manufacturer	İGSAŞ- İstanbul Gübre Sanayii A.Ş.	İGSAŞ- İstanbul Gübre Sanayii A.Ş.	Engineering	Ongoing
ENGLAND	EW Plant	3862-04	Walsall ERF	Bottom Ash Chute + Slitte Gate	9.07.2024	18.09.2025	Sub Contractor & Manufacturer	Hitachi Zosen Inova	ENCYCLIS (Walsall) Limited	Manufacture	On Going
ENGLAND	EW Plant	3862-03	Walsall ERF	Grate Riddings Plate Work	9.07.2024	2.09.2025	Sub Contractor & Manufacturer	Hitachi Zosen Inova	ENCYCLIS (Walsall) Limited	Manufacture	On Going
ENGLAND	EW Plant	3862-02	Walsall ERF	Feed Hopper	9.07.2024	27.09.2024	Sub Contractor & Manufacturer	Hitachi Zosen Inova	ENCYCLIS (Walsall) Limited	Manufacture	On Going
TURKMENISTAN	Oil and Gas, Petroleum, Refinery	3574-01	Retubing of 300-H1/H2/H3/H4 CCR Unit	CCR Unit Furnace Tube bundle replacement, insulation, sandblasting, painting equipment installation works	17.06.2024	17.10.2024	Sub Contractor & Manufacturer	AZAP-INVEST Enterprises Ltd. Consortium	TORC (Türkmenbaşy Oil Refinery Co.)	Fabrication	Ongoing
ENGLAND	EW Plant	2808-10	Westfield Energy Recoery Energy from Waste Plant	Mobile Air Cannon	30.05.2024	15.09.2024	Sub Contractor & Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Fabrication	Ongoing
ENGLAND	EW Plant	3042-06	Indaver Rivenhall IWMF, Energy from Waste Plant	Mobile Air Cannon	30.05.2024	8.11.2024	Sub Contractor & Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Fabrication	Ongoing
ENGLAND	EW Plant	2321-13	Slough Multifuel, Energy from Waste Plant	Mobile Air Cannon	20.06.2024	15.09.2024	Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Fabrication	On Going
GHANA	Cement	3817-02	New Calclined Clay Production Plant	Structural Steel and Mechanical Works for New Calclined Clay Production Plant	24.05.2024	31.08.2025	Sub Contractor & Manufacturer	Cimpor Portugal Holdings SGPS, S.A.	Cimpor Ghana LTD	EPC	On Going
GERMANY		3611-01	STEAM ACCUMULATOR AND CONDENSATE TANK	• Steam accumulator and condensate tank • Spray Nozzle • Second Manhole	20.02.2024	30.08.2024	Sub Contractor & Manufacturer	Essity	Essity	Manufacture	On Going
ENGLAND	EW Plant	2760-10	Riverside 2	Mobile Air Cannon	13.05.2024	31.08.2024	Sub Contractor & Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Manufacture	On Going
SWITZERLAND	EW Plant	3907-01		Drive shaft with levers Ø 273 L= 2200	2.04.2024	10.05.2024	Sub Contractor & Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Manufacture	On Going
TÜRKİYE	Oil and Gas, Petroleum, Refinery	3823-01	İzmit Refinery Column Supply Project	16C-201 F.GAZ KNOCK-OUT DRUM	17.04.2024	1.10.2024	Sub Contractor & Manufacturer	TÜPRAŞ	Tüpraş	Manufacture	On Going
TÜRKİYE	Oil and Gas, Petroleum, Refinery	3898-01	İzmit Refinery Column Supply Project	63C-508 WASH TOWER	16.04.2024	10.12.2024	Sub Contractor & Manufacturer	TÜPRAŞ	Tüpraş	Manufacture	On Going
BRAZIL	SHIPLOADER	3880-01	Shiploader SL2000	Shiploader Manufacturing and Haydarpaşa Erection Works	1.05.2024	31.10.2024	Sub Contractor & Manufacturer	Neuro Industrietechnik GmbH	CS Porto	Manufacture	On Going
RUSSIA		3345-01		• Full Heat Treatment of Reactors Completion of fabrication of the following columns and reactors: • 1st train Ethylene Fractionator 114-C-001 • 2nd train Ethylene Fractionator 214-C-001 • 1st train Quench tower 111-C-001 • 2nd train Quench tower 211-C-001 • Reactor 441-R-401 • Reactor 442-R-501 • Reactor 443-R-601			Sub Contractor & Manufacturer	GLPK Engineering	GLPK Engineering	Manufacture	Completed

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COUNTRY	MAIN BUSINESS AREA	PROJECT CODE	PROJECT NAME	SCOPE	FROM (MM/DD/YYYY)	TO (MM/DD/YYYY)	TYPE OF CONTRACT	CLIENT (MAIN CONTRACTOR)	PROJECT OWNER (END USER)	SERVICE	STATUS
IRAQ	WAEZ PLANT	2994	40,000 tons/year flue dust processing capacity Waelz (Zinc Oxide) Plant	40,000 tons/year turnkey construction of Waelz (Zinc Oxide) plant with flue dust processing capacity.	9.08.2022	9.11.2023	Sub Contractor & Manufacturer	Erbil Zinc Oxide Company	Erbil Zinc Oxide Company	EPC	On Going
TÜRKİYE	EW Plant	3892-01	İstanbul Energy from Waste Plant	Update the residue silos Installation and welding equipments	22.03.2024	21.04.2024	Sub Contractor & Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Installation&Manufacturing	Ongoing
UZBEKISTAN	CEMENT PLANT	2227-01	Engineering, Procurement and Construction of the Cement Grinding Plant with a capacity of 100TPH in the territory of LLC "RWS Optimum"	- Piling Works - Reinforced Concrete Works - Mechanical Manufacturing Works - Mechanical Assembly Works - Steel Structure Manufacturing Works - Steel Structure Assembly Works - Equipment Installation Works	2.07.2021	31.08.2022	Sub Contractor & Manufacturer	RWS OPTIMUM	RWS OPTIMUM	EPC	Completed
SPAIN	LPG FILLING PLANT	3728-01	Disa Granadilla Storage Facility	Engineering, supply, construction, testing and certification of two Propane Spheres at the Granadilla De Abona	19.01.2024	31.12.2024	Sub Contractor & Manufacturer	DISA GAS, S.A.U.	DISA GAS, S.A.U.	EPC	On Going
GERMANY	ENERGY, POWER PLANT	3676-01	Rumelia Oilfield Degassing Station DS-02	1 x HP Flare DS002 1 x LP Flare DS004	26.01.2024	7.06.2024	Sub Contractor & Manufacturer	SPG Steiner GmbH	Basra Energy Company Limited	Manufacture	On Going
USA	EW Plant	3704-01	West Palm Beach	Manufacture of 4 x DynaDischargers	2.02.2024	31.07.2024	Sub Contractor & Manufacturer	Babcock&Wilcox	COVANTA Energy	Manufacture	On Going
GERMANY	POWER PLANT	3710-01	Project Ultramet (Meerbusch UL11 & Petkum UL13)	- Panels for A630 - Steel Structure w platforms and ladders for A630 - Panels for A940 - Steel Structure w platforms and ladders for A940 - DAP Germany	18.12.2023	1.08.2024	Sub Contractor & Manufacturer	Haritz + Röhrling GmbH	Project Leader: Siemens Energy	Manufacture	On Going
TÜRKİYE	ENERGY, POWER PLANT	3627-01	Talimarjan Thermal Power Plant POWER GENERATION EFFICIENCY IMPROVEMENT PROJECT	2 x Hypochlorite Tanks 2 x Bulk Acid Storage Tanks 2 x Clean&Dirty Oil Storage Tanks 2 x Pretreated Water Storage Tanks 2 x Potable Water Storage Tanks 2 x DM Water Tanks (CS + SS Nozzles) 1 x Dirty Condensate Tank (CS + SS Nozzles) 1 x Evaporative Cooler Water Storage Tank (CS + SS Nozzles)	4.01.2024	4.07.2024	Sub Contractor & Manufacturer	ÇALIK ENERGY	Talimarjan Issiqlik Elekt Stansiyasi aj	Manufacture	On Going
SWITZERLAND	EW Plant	3584-01	Göteborg Bottom Ash Extractor	4 Bottom Ash Extractor	15.12.2023	19.07.2024	Sub Contractor & Manufacturer	Hitachi Zosen Inova	Renova AB	Manufacture	On Going
GERMANY	ENERGY, POWER PLANT	3676-02	Rumelia Oilfield Degassing Station DS-02	1 x LP Flare DS02 1 x LP Flare DS03 1 x LP Flare DS04	21.12.2023	10.05.2024	Sub Contractor & Manufacturer	SPG Steiner GmbH	Basra Energy Company Limited	Manufacture	On Going
SWITZERLAND	EW Plant	3213-01	Lucerne, CHE Waste to Energy	- Slag expeller 1 - Slag expeller 2	20.12.2023	8.05.2024	Sub Contractor & Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Manufacture	On Going
	SHIP UNLOADER	2716-02	CARGILL - VARIOUS EQUIPMENT	Ship Unloader Equipment	28.11.2023	1.03.2024	Sub Contractor & Manufacturer	BEDESCHI S.P.A	CARGILL INC	Manufacture & Erection	On Going
TÜRKİYE	Base Oil Plant	3373-01	UNITED REFINERY, BASE OIL PLANT	- HP Vessels - HP Heat Exchangers - HP Column Inquiry - HP Flare Drums - LP Vessels	21.06.2023	21.06.2024	Sub Contractor & Manufacturer	EKSPRES KİMYA DIŞ TİC. SAN. VE TİC. A.Ş.	EKSPRES KİMYA DIŞ TİC. SAN. VE TİC. A.Ş.	Fabrication	Completed
TÜRKİYE	Fosforik Asit Tesisi	3524-01	PHOSPHORIC PLANT	PAP CONVEYORS	11.09.2023		Manufacturer	Eti Bakır	Eti Bakır	EPC	On Going
ENGLAND	EW Plant	2760-06	Riverside 2	6 Units Ram Type Bottom Ash Extractor	22.08.2023	5.04.2024	Sub Contractor & Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Fabrication	On Going
TÜRKİYE	Kağıt Fabrikası	3379-01	KMK INVESTMENT PROJECT	- Biomass Storage Tank - Buffer Tank - Conditioning Tank - EQSB Reaktor Tank - Flash Aeration - Multiflo	6.06.2023	6.02.2024	Sub Contractor & Manufacturer	Kahramanmaraş Kağıt Sanayi ve Ticaret A.Ş.	Kahramanmaraş Kağıt Sanayi ve Ticaret A.Ş.	Fabrication	Completed
ENGLAND	EW Plant	2760-08	Riverside FD	- Furnace Door - Grate Service Bridge	14.08.2023	10.07.2024	Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Fabrication	On Going

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TÜRKİYE	Maleik Anhidrit Üretim Tesisi	3024-12	Thermal Oxidation Unit	• Combustion Air Blower-2500C910 • Combustion Air Preheater & Filter-2500F910 • Waste Gas KO Drum-2500V911 • Butterfly Valve-17ESDV9210 • Waste Gate Preheater-2500E911 • Burner-2500E911B • Thermal Oxidizer-2500B910 • Steam Super Heater-2500E912 • Steam Generator-2500E910A • Steam Generator-2500E910B • BFW Preheater-2500V910 • Stack-2500B911 • Platforms-2500B911 • Ladders-2500B911 • Fuel Skid-2500E911B	11.04.2023	11.10.2023	Sub Contractor & Manufacturer	TN Maleik Petrokimya A.Ş.	TN Maleik Petrokimya A.Ş.	Fabrication	Ongoing
ENGLAND	EW Plant	3042-01	Indaver Rivenhall IWMF, Energy from Waste Plant	• Boiler Non Pressure Parts • Hoppers - H-pass • Hoppers - V-ECO • Ducts - outlet hood H-pass inlet/outlet hood V-ECO, flue gas ducts fabrication	23.05.2023	11.12.2023	Sub Contractor & Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Fabrication	Ongoing
ENGLAND	EW Plant	2974-08	North London Heat and Power Project, Energy from Waste Plant	• Engineering & Documentation (Boiler Sheet metal work) • Material & Fabrication (Hoppers - H-pass) • Material & Fabrication (Hoppers - V-ECO) • Material & Fabrication (Ducts - outlet hood H-pass, inlet/outlet hood V-ECO, flue gas ducts Fabrication) • Primer and Painting system 3 (Boiler Sheet metal work Fabrication) • Packing and Transport FCA (Boiler Sheet metal work Fabrication) • Lifting Device (Boiler Sheet metal work Fabrication)	18.05.2023	5.12.2023	Sub Contractor & Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Fabrication	Ongoing
ENGLAND	EW PLANT	3042-05	Indaver Rivenhall IWMF, Energy from Waste Plant	FGT Plate Work Bent Fabrication	9.05.2023	23.05.2024	Sub Contractor	Hitachi Zosen Inova	Hitachi Zosen Inova	Fabrication	Ongoing
TÜRKİYE	Maleik Anhidrit Manufacturing Plant	3024-09	Maleik Anhydride Production	2500m3 2 pcs Spherical Vessels, Columns and Exchangers, Indicator and heating facility, All revision works and piping	24.03.2023	24.07.2023	Sub Contractor	TN Maleik Petrokimya A.Ş.	TURKEY	Fabrication	Ongoing
ENGLAND	EW PLANT	3042-04	Indaver Rivenhall IWMF, Energy from Waste Plant	Furnace Door Grate Service Bridge	3.03.2023	11.07.2023	Sub Contractor	Hitachi Zosen Inova	Hitachi Zosen Inova	Manufacture	Ongoing
TÜRKİYE	Fabrication	3124-01	Cyclone and Process Carbon Steel	Fabrication, Procurement	3.01.2023	20.05.2023	Sub Contractor	Eti Bakır	Eti Bakır	Fabrication	Ongoing
TÜRKİYE	Reactor	3215-01	Revision of Reactor	Fabrication Procurement (Revision of Reactor)	27.12.2022	17.02.2023	Sub Contractor	BASF	BASF	Fabrication	Ongoing
RUSSIA	Shiploader	2538-01	AEON Shiploader	Fabrication, Engineering, Procurement	23.12.2021	24.04.2023	Manufacturer	Bedeschi	Bedeschi	Fabrication	Ongoing
TÜRKİYE	Maleik Anhidrit Manufacturing Plant	3024-01	Maleik Anhydride Production	• Mechanical, Construction, Electrical, Hydraulic and Instrumentation Design, CE marking, Manufacture and Assembly, Rating and Identification Plates, Inspection and Shop Testing, Painting and Coating, Finishish / Packing and Documentation of the Equipment with all required accessories in accordance with the specification and specific requirements in the Technical Specification of the attached contract. • V-2012 N - Butane Spherical Tank • V-2020 N - Butane Spherical Tank	19.12.2022	31.12.2023	Sub Contractor	Gama	Maleik Petrokimya	Fabrication	Completed
SPAIN	Furnace	3253-01	Fergy 14Mw Furnace Manufacturing x2	Fabrication, Engineering, Procurement	12.12.2022	30.06.2023	Manufacturer	FERGY	FERGY	Fabrication	Ongoing
SPAIN	Furnace	3187-01	Fergy 14Mw Furnace Manufacturing	Fabrication, Engineering, Procurement	12.12.2022	30.03.2023	Manufacturer	FERGY	FERGY	Fabrication	Ongoing
TÜRKİYE	Casing	3024-05	Column Casing	Fabrication, Procurement	7.12.2022	30.09.2023	Sub Contractor	Gama	Gama	Fabrication	Ongoing
TÜRKİYE	Press	3159-01	Press Dome	Fabrication, Procurement	7.12.2022	10.04.2023	Sub Contractor	Uzer Makine	Uzer Makine	Fabrication	Ongoing
RUSSIA	Steel Structure	2730-01	Bedeschi Ustluga	Fabrication, Engineering, Procurement	25.11.2022	25.06.2023	Manufacturer	Bedeschi	Bedeschi	Fabrication	Ongoing
TÜRKİYE	Vessel	3185-01	Condensate Collection	Fabrication, Procurement	17.11.2022	1.02.2023	Sub Contractor	ENV-Techs	ENV-Techs	Fabrication	Completed
ENGLAND	EW Plant	2806-07	Westfield Energy Recovery Energy From Waste Plant	Plate Work Bent-Common Engineering, Procurement, Fabrication	8.11.2022	26.06.2023	Manufacturer	Hitachi Zosen Inova	WESTFIELD ENERGY RECOVERY LIMITED	Fabrication	Ongoing
TÜRKİYE	Vessel	3123-01	Heat Exchanger	Fabrication, Procurement	24.10.2022	15.02.2023	Sub Contractor	Eti Bakır	Eti Bakır	Fabrication	Ongoing
USA	Unloading Hopper	3112-01	Bedeschi Vistra	Fabrication, Engineering, Procurement	17.10.2022	20.04.2023	Manufacturer	Bedeschi	VISTRA	Fabrication	Ongoing

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ENGLAND	Shipunloader	2716-01	Bedeschi Cargill	• Travelling • Portal • Slewing • Luffing • Horizontal boom • Chain conveyor • Vertical boom • Chain elevator • Cutter • Hopper for hatch • Electrical applications • Boom counterweight - concrete • Boom counterweight - steel regulation plate	17.10.2022	31.05.2023	Manufacturer	Bedeschi	CARGILL	Fabrication	Ongoing
ENGLAND	EW Plant	2974-01	North London Heat and Power Project, Energy from Waste Plant	Furnace Door and Grate Service Bridge Fabrication, Engineering, Procurement	12.10.2022	17.11.2023	Manufacturer	Hitachi Zosen Inova	NORTH LONDON WASTE AUTHORITY / ACCIONNA	Fabrication	Ongoing
TÜRKİYE	Tank	2971-01	Almesan Water Tank	Fabrication, Engineering, Procurement	22.07.2022	22.08.2022	Manufacturer	Almesan	Almesan	Fabrication	Completed
BRAZIL	TBD	2907-02	Drever Engine Cover	Fabrication, Engineering, Procurement	20.07.2022	17.10.2022	Manufacturer	SMS Group	DREVER	Fabrication	Ongoing
ENGLAND	Multifuel	2321-06	Slough Multifuel, Energy from Waste Plant	Fabrication, Engineering, Procurement	7.07.2022	28.12.2022	Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Fabrication	Completed
TÜRKİYE	Mining Industry	2790-01	ETİ Bakır Barred Inlet Feed Screw	Fabrication, Engineering, Procurement	22.04.2022	5.08.2022	Manufacturer	ETİ Bakır	ETİ Bakır	Fabrication	Completed
ENGLAND	EW PLANT	2948-01	Energy from Waste Plants (Rockingham, Rookery, Slough)	Ram Type Bottom Ash Extractor and Silos Furnace Doors Fabrication, Engineering, Procurement	17.06.2022	8.12.2022	Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Fabrication	Completed
BRAZIL	Stack	2821-01	Drever Chimney Manufacturing	Fabrication, Engineering, Procurement	16.05.2022	13.03.2023	Manufacturer	SMS Group	DREVER	Fabrication	Completed
ITALY	Shiploader	2807-01	Bedeschi Beltrame	Fabrication, Engineering, Procurement	11.04.2022	9.09.2022	Manufacturer	Bedeschi	Bedeschi	Fabrication	Ongoing
AUSTRALIA	EW Plant	2073-08	Rockingham Energy from Waste Plant	Duct Engineering, Procurement, Fabrication,	6.04.2022	30.04.2022	Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Fabrication	Completed
IRAQ	TBD	3131-08	Oksidasyon Lansı	Fabrication, Engineering, Procurement	4.04.2022		Manufacturer	Deha Tech	Deha Tech	Fabrication	Ongoing
TÜRKİYE	TBD	2833-01	Olmetsan Bending Works	Fabrication, Engineering, Procurement	1.04.2022	1.08.2022	Manufacturer	Olmetsan	Olmetsan	Fabrication	Completed
ENGLAND	EW PLANT	2321-08	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, Documentation, Packing& Labeling,	29.11.2021	22.12.2022	Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Fabrication	Completed
ENGLAND	EW PLANT	2321-07	Slough Multifuel, Energy from Waste Plant	Bottom Ash Chute Line 1 & 2 Procurement, Engineering, Fabrication,	15.07.2021	27.05.2022	Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Fabrication	Completed
SPAIN	Furnace	2887-01	Fergy 14Mw Finn Imalatı	Fabrication, Engineering, Procurement	15.06.2022	27.12.2022	Manufacturer	FERGY	FERGY	Fabrication	Completed
ENGLAND	EW PLANT	1934-08	IVRY II Energy from Waste Plant	Fabrication, Engineering, Procurement	8.03.2022	8.04.2022	Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Fabrication	Completed
TÜRKİYE	EW PLANT	1774-21	ISTANBUL ENERGY from WASTE POWER PLANT	Fabrication, Engineering, Procurement, SA Nozzle Modification	15.02.2022	18.03.2022	Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Fabrication	Completed
USA	Mining Industry	2921-01	Paul Wurth Coke Transfer Car	Fabrication, Engineering, Procurement	2.09.2022	31.05.2023	Manufacturer	SMS Group	SMS Group	Fabrication	Ongoing
TÜRKİYE	FERTILIZER PLANT	2590-03	DAP FERTILIZER PLANT EQUIPMENT INSTALLATION WORKS	Equipment (elevator, weighfeeder, combustion chamber, air chiller group, air heater group, chain mill, diverter, center feed vibrating feeder etc) erection,	12.12.2022	23.03.2023	Sub Contractor	AHEN MADEN	AHEN MADEN	Erection Testing	On Going
IRAQ	Cement Plant	3314-01	Modification of 2 Clinker Production Line of Badush Cement Plant(Upgrading of existing 750 TPD to 1300 TPD Per Line, in total 2 Production Lines)	Fabrication, Engineering, Procurement	11.12.2022	1.04.2024	Main Contractor & Manufacturer	Jabal Al Hadid	Jabal Al Hadid	Design & Engineering Procurement Fabrication Testing	Ongoing
SWITZERLAND	EW Plant	3110-01	SNCR Nozzles for EIW Spares	Fabrication Procurement	30.11.2022	11.04.2023	Manufacturer	Hitachi Zosen Inova	Hitachi Zosen Inova	Fabrication	Ongoing
TÜRKİYE	Mining Industry	3027-01	Phosphoric Acid Duck	Fabrication, Engineering, Procurement	11.03.2022	29.03.2023	Sub Contractor	Eti Bakır	Eti Bakır	Fabrication	Ongoing
TÜRKİYE	TBD	3119-01	Twisting Work	Fabrication	10.12.2022	17.10.2022	Manufacturer	Protap Global	Protap Global	Fabrication	Ongoing
TÜRKİYE	Vessel	2852-02	MDS For Slurry Tank	Fabrication, Engineering, Procurement	16.08.2022	28.02.2023	Sub Contractor	SOLUFERT	SOLUFERT	Fabrication	Completed
TÜRKİYE	Vessel	2812-01	Coloumn and Tank	Fabrication, Engineering, Procurement	16.08.2022	28.02.2023	Sub Contractor	SOLUFERT	SOLUFERT	Fabrication	Ongoing
FRANCE	Iron and Steel	2878-02	Steel Structure	Fabrication, Engineering, Procurement	9.02.2022	16.12.2022	Sub Contractor	CERN	CERN	Fabrication	Ongoing
TÜRKİYE	Filter	2811-02	FTP Bag Filter	Fabrication, Engineering, Procurement	13.09.2022	15.03.2023	Sub Contractor	GEMKOM	GEMKOM	Fabrication	Ongoing
TÜRKİYE	Material Handling System	2811-01	Material Handling System	Fabrication, Engineering, Procurement	13.09.2022	30.04.2023	Sub Contractor	GEMKOM	GEMKOM	Fabrication	Ongoing
TÜRKİYE	Oil and Gas, Petroleum, Refinery	3036-01	Debutanizer & Atmosferik Kolon	Fabrication, Engineering, Procurement	16.08.2022	11.01.2022	Sub Contractor	Tüpraş	Tüpraş	Fabrication	Completed

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TÜRKİYE	Oil and Gas, Petroleum, Refinery	2949-01	AIR DISSOLVING	Fabrication, Engineering, Procurement	8.05.2022	1.02.2023	Sub Contractor	Tüpraş	Tüpraş	Fabrication	Completed
TÜRKİYE	Oil and Gas, Petroleum, Refinery	2740-01	DRYER	Fabrication, Engineering, Procurement	30.06.2022	2.09.2023	Sub Contractor	TÜPRAŞ	Tüpraş	Fabrication	Completed
TÜRKİYE	EW Plant	2956-01	İSTANBUL ENERGY from WASTE POWER PLANT	Waste Bunker Water Discharge Casing Engineering, Procurement, Fabrication	28.06.2022	22.07.2022	Sub Contractor	İBB	İBB	Fabrication	Ongoing
TÜRKİYE	Oil and Gas, Petroleum, Refinery	2554-01	Drums for TÜPRAŞ Refinery	Sour Water Stripping Unit Drums Engineering, Procurement, Fabrication	28.05.2022	3.04.2023	Sub Contractor	TÜPRAŞ	Tüpraş	Fabrication	Completed
TÜRKİYE	Vessels	3030-01	Onshore Pressure Vessels	Fabrication, Engineering, Procurement	24.05.2022	1.06.2023	Sub Contractor	KOLIN KALYON	Kuzey Marmara	Fabrication	Completed
TÜRKİYE	Oil and Gas, Petroleum, Refinery	3037-01	DAMPENER AND ITS SPACES for TÜPRAŞ Refinery	Fabrication, Engineering, Procurement	17.06.2022	11.01.2022	Sub Contractor	TÜPRAŞ	Tüpraş	Fabrication	Completed
TÜRKİYE	Oil and Gas, Petroleum, Refinery	2697-01	3 Phase Separator	Horizontal Free Water Separator	2.05.2022	15.11.2022	Sub Contractor	TÜRKİYE PETROLLERİ	TÜRKİYE PETROLLERİ	Fabrication	Completed
TÜRKİYE	Chasis	2914-01	138X150LT MEG C CHASSIS	Fabrication	8.01.2022	31.12.2022	Sub Contractor	Koyuncu	Koyuncu	Fabrication	Completed
ENGLAND	EW PLANT	2974-05	North London Heat and Power Project, Energy from Waste Plant	Bottom Ash Chute	4.10.2022	12.05.2023	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	NORTH LONDON WASTE AUTHORITY / ACCIONNA	Fabrication	On Going
ENGLAND	EW PLANT	2974-04	North London Heat and Power Project, Energy from Waste Plant	Grate riddings Plate Works	4.10.2022	9.06.2023	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	NORTH LONDON WASTE AUTHORITY / ACCIONNA	Fabrication	On Going
ENGLAND	EW PLANT	2974-02	North London Heat and Power Project, Energy from Waste Plant	Feed Hopper	4.10.2022	10.06.2023	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	NORTH LONDON WASTE AUTHORITY / ACCIONNA	Fabrication	On Going
TÜRKİYE	GLASS PRODUCTION PLANT	3009-01	ŞİŞECAM ESKİŞEHİR FACILITY E-FURNACE INVESTMENT MEP WORKS	TURNKEY BASED MEP WORKS	15.09.2022	13.06.2023	Sub Contractor	SERA YAPI	ŞİŞECAM	Workshop Drawings, Procurement, Installation, Commissioning	On Going
ENGLAND	EW PLANT	2808-06	Westfield Energy Recoery Energy from Waste Plant	Furnace Doors & Grate Service Bridge	19.08.2022	20.04.2023	Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	WESTFIELD ENERGY RECOVERY LIMITED	Fabrication	On Going
ENGLAND	EW PLANT	2680-08	SKELTON GRANGE Energy from Waste Plant	Boiler Non-pressure Parts	21.07.2022	13.07.2025	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	WEST FIELD ENERGY RECOVERY LIMITED	Fabrication	On Going
TÜRKİYE	EW PLANT	2956-01	İSTANBUL ENERGY from WASTE POWER PLANT	Boiler Bypass Duct for Grate	1.07.2022	2022	Sub Contractor	MAKYOL	İSTANBUL Municipality İBB	Fabrication	On Going
ENGLAND	EW PLANT	2808-01	Westfield Energy Recoery Energy from Waste Plant	• Ram Type Bottom Ash Extractor • Slide Gate	29.06.2022	13.03.2023	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	WESTFIELD ENERGY RECOVERY LIMITED	Fabrication	On Going
TÜRKİYE	NATURAL GAS STORAGE FACILITY	3030-01	KUZEY MARMARA NATURAL GAS STORAGE FACILITY PROJECT	Onshore Pressure Vessel	17.06.2022	24.03.2022	Sub Contractor	KOLIN KALYON	KOLIN KALYON	Fabrication	Completed
TÜRKİYE	Oil and Gas, Petroleum, Refinery	2554-01	İZMİT OIL REFINERY	Sour Water Stripping Unit Drums	30.05.2022	2022	Sub Contractor	TÜPRAŞ	TÜPRAŞ	Fabrication	Completed
ENGLAND	EW PLANT	2680-01	SKELTON GRANGE	Furnace Door Grate Service Bridge	22.04.2022	13.07.2025	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	WEST FIELD ENERGY RECOVERY LIMITED	Fabrication	On Going
TURKMENISTAN	Oil and Gas, Petroleum, Refinery	2763-01	TURKMENBASHY OIL PROCESSING COMPLEX	Condensate Tank	23.03.2022	14.07.2022	Sub Contractor	ÇALIK ENERGY	ONYX TRADING INNOVATION FZE	Fabrication	On Going
TÜRKİYE	FERTILIZER PLANT	2590-01	DAP FERTILIZER PLANT DRY CUTTING MANUFACTURING INSTALLATION WORKS	Preparation of MANUFACTURING drawings of Dry Cutting equipment, material supply, manufacturing, assembly, transportation, lifting, lowering, horizontal vertical transport, welding sandblasting and painting works.	24.12.2021	1.04.2023	Main Contractor & Manufacturer	ETİ BAKIR	ETİ BAKIR	Engineering Fabrication Procurement Erection Testing	On Going
ENGLAND	EW PLANT	2321-09	SLOUGH, ENGLAND ENERGY from WASTE PLANT	• CaOH2 Silo • Residue Silo • PAC Silo	22.12.2021	21.11.2024	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	SSE THERMAL & COPENHAGEN INFRASTRUCTURE PARTNERS	Fabrication	On Going

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TÜRKİYE	Oil and Gas, Petroleum, Refinery	2513-01	HORIZONTAL FREE WATER SEPARATORS for Oil Drilling Plant	Project design, manufacture, preparation of interior and exterior surfaces, tests, paint, and transportation of 13 Horizontal Free Water Separators	19.10.2021	16.07.2022	Main Contractor &Manufacturer	TÜRKİYE PETROLLERİ ANONİM ORTAKLIĞI	TÜRKİYE PETROLLERİ ANONİM ORTAKLIĞI	Design & Engineering Procurement Fabrication Testing	On Going
ITALY	TBD	1900-49	FILTER SEPARATORS	3 Pcs. Filter Separator Cartridges Triphase Filter Separator Filter Separator Cyclone Filter Separator Cartridge + Vane	1.10.2021	22.02.2022	Sub Contractor	METANOIMPIANTI	METANOIMPIANTI	Procurement Manufacturing	Completed
RUSSIA	DUST RECOVERY PLANT	2081-00	110.000 TPA EAF DUST RECOVERY PLANT WITH CALCINATION UNIT	Engineering, equipment procurement, erection, commissioning, process/performance guarantee	15.08.2021	14.01.2023	Sub Contractor	NIKROTEK MAKİNA	MZ BALAKOVO IRON AND STEEL LLC	Design & Engineering Fabrication Procurement Erection Testing	Completed
U.A.E	EW PLANT	2202-06	DUBAI, UAE ENERGY from WASTE PROJECT	Furnace Door Grate Service Bridge Mobile Air Canon	3.06.2021	21.08.2022	Sub Contractor	HITACHI ZOSEN INOVA - DUBAI BRANCH	Dubai Waste Management Company	Engineering Procurement Manufacturing	On Going
SWITZERLAND	EW PLANT	2274-03	KEBAG ENOVA EMMENSPTIZ ENERGY from WASTE (EFW) PLANT	Manufacturing of Boiler Non-Pressure Parts.	27.09.2021	3.10.2022	Sub Contractor	HITACHI ZOSEN INOVA AG- SWITZERLAND	KEBAG AG	Procurement Manufacturing	On Going
TÜRKİYE	HEAT EXCHANGER	2404-01	HEAT EXCHANGER	Design, engineering, procurement and production of 2 Carbon Steel Heat Exchangers	18.06.2021	22.10.2021	Main Contractor &Manufacturer	TARKİM	TARKİM	Design & Engineering Procurement Fabrication Testing	Completed
TÜRKİYE	STORAGE TANK	2589-01	TREATMENT TANK	Production, disassembly and assembly of the Treatment Tank	22.10.2021	TBD	Main Contractor &Manufacturer	KOLSAN	KOLSAN	Procurement Manufacturing	On Going
TÜRKİYE	PIPE WORKS	2581-01	PIPE MANUFACTURING	Manufacturing Works of P355NH Pipes	29.09.2021	29.10.2021	Main Contractor &Manufacturer	KLINGER TÜRKİYE	KLINGER TÜRKİYE	Procurement Manufacturing	On Going
TÜRKİYE	Iron and Steel	2514-01	STEEL STRUCTURE	Contract Steel Construction Manufacturing	3.09.2021	30.09.2021	Main Contractor &Manufacturer	SİSTEM TEKNİK	SİSTEM TEKNİK	Procurement Manufacturing	On Going
TÜRKİYE	FIRE EXTINGUISHING SYSTEM	2528-01	FIRE WATER STORAGE TANK	Fire Water Storage Tank (10m³) Fire Water Storage Tank (20m³)	26.08.2021	7.10.2021	Main Contractor &Manufacturer	ARASCO	ARASCO	Procurement Fabrication & Testing	On Going
TÜRKİYE	NATURAL GAS STORAGE FACILITY	2129-06 2129-07 2129-08	KUZEY MARMARA NATURAL GAS STORAGE FACILITY PROJECT	• Drain Vessel - Slop Tanks • Diesel Storage Tanks	23.09.2021	TBD	Sub Contractor	KOLİN KALYON	KOLİN KALYON	Design & Engineering Fabrication Procurement Erection Testing	Completed
TÜRKİYE	Iron and Steel	2478-01	COLD ROLLING COMPLEX	Exit Looper Fixed Frame	31.08.2021	31.12.2021	Main Contractor &Manufacturer	YILDIZ DEMİR ÇELİK	YILDIZ DEMİR ÇELİK	Fabrication	On Going
GERMANY	Iron and Steel	2475-01	STEEL STRUCTURE	Steel Structure Ladders, Handrails and platform	16.08.2021	31.05.2022	Sub Contractor	H+R GMBH	H+R GMBH	Design & Engineering Fabrication	On Going
ENGLAND	EW PLANT	2321-01	Slough Multifuel, Energy from Waste Plant	Feed Hopper Grate Riddlings Plate Work Bottom Ash Chute	15.07.2021	TBD	Sub Contractor	HITACHI ZOSEN INOVA AG- SWITZERLAND	SSE THERMAL & COPENHAGEN INFRASTRUCTURE PARTNERS	Fabrication	On Going
TÜRKİYE	Mining Industry	1900-40	SAMSUN SMELTER AND ELECTROLYSIS PLANT	Up Take	1.07.2021	28.09.2021	Sub Contractor	ETİ BAKIR	ETİ BAKIR	Procurement Manufacturing	On Going
TÜRKİYE	Oil and Gas, Petroleum, Refinery	2402-01	İZMİT OIL REFINERY	High Pressure Separator	9.07.2021	29.12.2021	Main Contractor &Manufacturer	TÜPRAŞ	TÜPRAŞ	Procurement Manufacturing	On Going
TÜRKİYE	NATURAL GAS STORAGE FACILITY	2129-04	KUZEY MARMARA NATURAL GAS STORAGE FACILITY PROJECT	• Construction of Tank Farms at new surface plan area of Kuzey Marmara Underground Gas Storage expansion (Phase III) • Fire Water Tank (1 Unit) • HC Condensate Tank (1 Unit) • Water Condensate Tank (1 Unit) • Drinking Water Tank (1 Unit)	18.06.2021	TBD	Sub Contractor	KOLİN KALYON	KOLİN KALYON	Design & Engineering Fabrication Procurement Erection Testing	On Going
TÜRKİYE	HEAT EXCHANGER	2401-01	BURSA HEAT EXCHANGER PROJECT	• All Nozzles and flanges • Tube expanding works • Tube welding after expanding works	18.06.2021	22.10.2021	Main Contractor &Manufacturer	TARKİM	TARKİM	Design & Engineering Procurement Fabrication & Testing	On Going
TÜRKİYE	Oil and Gas, Petroleum, Refinery	2327-01	TÜPRAŞ KIRIKKALE OIL REFINERY	Carbon Steel Drum	24.05.2021	6.01.2022	Main Contractor &Manufacturer	TÜPRAŞ	TÜPRAŞ	Procurement Manufacturing	On Going

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TÜRKİYE	Oil and Gas, Petroleum, Refinery	2389-01	TÜPRAŞ KIRIKKALE OIL REFINERY	Pressure Vessels	31.05.2021	1.10.2021	Main Contractor & Manufacturer	TÜPRAŞ	TÜPRAŞ	Procurement Manufacturing	Completed
TÜRKİYE	TANK	2405-01	OTOKLAV TANK	Tank Manufacturing	24.05.2021	23.07.2021	Main Contractor & Manufacturer	SİSTEM TEKNİK	TAI (TURKISH AEROSPACE INDUSTRIES)	Procurement and manufacturing.	On Going
U.A.E	EW PLANT	2202-05	DUBAI, UAE ENERGY from WASTE PROJECT	Lot Plate Work Bent Fabrication FGT	12.07.1905	16.07.1905	Sub Contractor	HITACHI ZOSEN INOVA - DUBAI BRANCH	Dubai Waste Management Company	Material and Manufacturing Engineering & Documentation Corrosion Protection Seaworthy Packaging - Delivery FAS	On Going
CHILE	ENERGY, POWER PLANT	2343-01	HARU ONI PROJECT , CHILE, PATAGONIA DEMO PLANT POWER TO GREEN METHANOL (PHASE 0)	Fabrication and Pre-fabrication of Demin Water Tanks and API Site Erected Tanks	25.04.2021	20.09.2021	Sub Contractor	SIEMENS ENERGIE / PORSCHE	UNDISCLOSED	Procurement / Manufacturing / Manufacturing	Pre On Going
TÜRKİYE	BIOMASS POWER PLANT	2373-01	BOLU MAV BIOMASS POWER PLANT	Duct fabrication and erection for the bunker building of MAV Biomass Power Plant	15.04.2021	20.05.2021	Sub Contractor	MAV Elektrik Üretim A.Ş.	MAV Elektrik Üretim A.Ş.	Procurement / Manufacturing / Erection	Completed
RUSSIA	UREA PLANT	2318-01	AMMONIA AND UREA PRODUCTION, KINGISEPP II	Manufacturing Works of Steel Structure for Ammonia and Urea Production	12.04.2021	30.09.2021	Sub Contractor	PROGER RUSSIA	TECNIMONT	Fabrication	On Going
FRANCE	Iron and Steel	2303-02	SILCO & SPARK ARRESTOR FOR "FOS SUR MER PROJECT" Steel Plant in FRANCE	Manufacturing, Supply, Packing and Delivery according delivery term of spark arrestor and silo for Bag House Filter	11.03.2021	30.06.2021	Sub Contractor	HAMON THERMAL EUROPE	Arcelor Mittal	Fabrication	On Going
SWITZERLAND	EW PLANT	2274-01	KEBAG ENOVA EMMENSPTIZENERGY from WASTE (EFW) PLANT	Supply of Furnace Door and Grate Service	16.02.2021	13.02.2023	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	KEBAG AG	Fabrication	Completed
ENGLAND	EW PLANT	2079-10	NEWHURST ENERGY from WASTE PLANT	Supply of 1Nos of Mobile Air Cannon	11.02.2021	TBD	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	BIFFA Waste Services; COVANTA Powering, Green Investment Group	Fabrication	On Going
ENGLAND	EW PLANT	2079-09	NEWHURST ENERGY from WASTE PLANT	Engineering and Manufacturing Works of Silos	9.02.2021	1.10.2021	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	BIFFA Waste Services; COVANTA Powering, Green Investment Group	Fabrication	On Going
TÜRKİYE	TBD	2306-02	RAW & DEMIN WATER TANKS FUNCTIONAL DRAWINGS	Providing Drawings for 2 Nos. Raw Water Tanks and 2 Nos. Demin Water Tanks	2.02.2021	2.03.2021	Sub Contractor	ENPRODE	UNDISCLOSED	Engineering	Completed
TÜRKİYE	TBD	2306-01	RAW & DEMIN WATER TANKS FUNCTIONAL DRAWINGS	Providing Drawings for 2 Nos. Raw Water Tanks and 2 Nos. Demin Water Tanks	2.02.2021	2.03.2021	Sub Contractor	ENPRODE	UNDISCLOSED	Engineering	On Going
ENGLAND	EW PLANT	2279-01	ROCKINGHAM ENERGY from WASTE PLANT	Fabrication of Condensate tank	5.02.2021	28.04.2021	Sub Contractor	ESINDUS S.A	STIRLING Consortium (Newenergy/Tribe/Hitachi Zosen Inova)	Fabrication	Completed
TÜRKİYE	Mining Industry	1900-63	ETİ BAKIR KÜRE PLANT	Carrier rope mole with 8 stud washer nuts.	3.02.2021	21.04.2021	Main Contractor & Manufacturer	ETİ BAKIR	ETİ BAKIR	Procurement / Manufacturing	On Going
ISRAEL	SHIP UNLOADER	2259-01	SUPPLY OF N.1 MECHANICAL CONTINUOUS SHIP UNLOADER FOR ASHDOD PORT	Procurement, Manufacturing and Erection Works for 1 Mechanical Continous Ship Unloader	27.01.2021	16.09.2021	Sub Contractor	BEDESCHI	BEDESCHI	Procurement / Manufacturing / Erection	On Going
ENGLAND	EW PLANT	2079-08	NEWHURST ENERGY from WASTE PLANT	Fabrication of Combustion Air Duct	28.10.2020	16.06.2021	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	BIFFA Waste Services; COVANTA Powering, Green Investment Group	Fabrication	On Going
TÜRKİYE	BIOMASS POWER PLANT	2108-04	BOLU MAV BIOMASS POWER PLANT	Heat Tracing Works of Ash Silos	27.10.2020	11.03.2021	Sub Contractor	AALBORG ENERGIE TECHNIK A/S	MAV Elektrik Üretim A.Ş.	Fabrication	Completed
UZBEKISTAN	CEMENT PLANT	2301-01	Tashkent Grinding Plant, NAVOI 5000 TPD Clinker Production Line	Concerning Supplies&Services For 4th Pyroline of OCC Plant Engineering, Procurement and Construction Of The 4th Technological Line For Production Of The Clinker	6.10.2020	27.08.2022	Sub Contractor	Joint Stock Company Management Company NATEC	OZILQUMSEMENT PLANT	EPC	Completed

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UZBEKISTAN	CEMENT PLANT	2301-02	Tashkent Grinding Plant, NAVOI 5000 TPD Clinker Production Line	Construction Of The 4th Technological Line For Production Of The Clinker For the Construction of the Piling Works for 4th Technological Line for Production of the Clinker	6.10.2020	27.08.2022	Sub Contractor	Joint Stock Company Management Company NATEC	QIZILQUMSEMENT PLANT	EPC	Completed
RUSSIA	SHIPLOADER BUCKET STRUCTURE AND BUCKETS	1900-28	Bucket Wheel Structure & Bucket	Fabrication of Buckets & Bucket Structure	28.08.2020	17.12.2020	Sub Contractor	BEDESCHI	BEDESCHI	Fabrication	Completed
SWITZERLAND	POWER PLANT	2014-01	ACC Steam Duct Supply for a Power Plant	ACC Steam Duct	1.09.2020	15.11.2020	Sub Contractor	WOOD	MÜVE-BIEL	Fabrication	Completed
AUSTRALIA	EW PLANT	2073-07	ROCKINGHAM ENERGY from WASTE PLANT	Combustion Air Ducts Fabrication	24.07.2020	31.05.2021	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	STIRLING Consortium (Newenergy/Tribe/Hita chi Zosen Inova)	Fabrication	Completed
TÜRKİYE	UNDERGROUND STORAGE EXPANSION PLANT	2109-04	TUZ GÖLÜ UNDERGROUND STORAGE EXPANSION PLANT	Fabrication of 40 nos. Degassing Vessels	26.06.2020	2.01.2021	Sub Contractor	JV of CAMCE & IC İtış	BOTAŞ	Fabrication	Completed
AUSTRALIA	EW PLANT	2073-05	ROCKINGHAM ENERGY from WASTE PLANT	Fabrication of Bottom Ash Chute	18.06.2020	23.12.2020	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	STIRLING Consortium (Newenergy/Tribe/Hita chi Zosen Inova)	Fabrication	Completed
AUSTRALIA	EW PLANT	2073-04	ROCKINGHAM ENERGY from WASTE PLANT	Grate riddlings Plate Works	18.06.2020	23.12.2020	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	STIRLING Consortium (Newenergy/Tribe/Hita chi Zosen Inova)	Fabrication	Completed
AUSTRALIA	EW PLANT	2073-03	ROCKINGHAM ENERGY from WASTE PLANT	Fabrication of Feed Hopper	18.06.2020	23.12.2020	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	STIRLING Consortium (Newenergy/Tribe/Hita chi Zosen Inova)	Fabrication	Completed
TÜRKİYE	BIOMASS POWER PLANT	2108-01	BOLU MAV BIOMASS POWER PLANT	Fabrication of Gas Duct	4.06.2020	5.12.2021	Sub Contractor	AALBORG ENERGIE TECHNIK A/S	MAV Elektrik Üretim A.Ş.	Fabrication	Completed
TÜRKİYE	NUCLEAR POWER PLANT	2098-01	MERSİN AKKUYU NUCLEAR POWER PLANT	Fabrication of Tanks With Mixers	3.06.2020	25.12.2023	Sub Contractor	JV OF TITAN2 RUSSIA & IC İCTAS TÜRKİYE	Akkuyu Nükleer A.Ş.	Fabrication	On Going
PERU	THERMAL POWER PLANT	2127-01	Ducts Fabrication for Las Flores Project	Fabrication of Condensate Tank	26.05.2020	1.09.2020	Sub Contractor	ESINDUS	KALLPA GENERACIÓN	Fabrication	Completed
PERU	THERMAL POWER PLANT	2127	Ducts Fabrication for Las Flores Project	Fabrication of Duct	26.05.2020	1.09.2020	Sub Contractor	ESINDUS	KALLPA GENERACIÓN	Fabrication	Completed
AUSTRALIA	EW PLANT	2073-06	ROCKINGHAM ENERGY from WASTE PLANT	Fabrication of Furnace Door and Grate Service Bridge	15.05.2020	13.05.2021	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	STIRLING Consortium (Newenergy/Tribe/Hita chi Zosen Inova)	Fabrication	Completed
TÜRKİYE	BIOMASS POWER PLANT	2108	BOLU MAV BIOMASS POWER PLANT	Fabrication of Flue Gas Duct System Ash Silo	20.05.2020	11.03.2021	Sub Contractor	AALBORG ENERGIE TECHNIK A/S	MAV Elektrik Üretim A.Ş.	Fabrication	Completed
ENGLAND	EW PLANT	2079-01	NEWHURST ENERGY from WASTE PLANT	Fabrication of Ram Type Bottom Ash Extractor	18.05.2020	12.02.2021	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	BIFFA Waste Services; COVANTA Powering, Green Investment Group	Fabrication	Completed
AUSTRALIA	EW PLANT	2073-02	ROCKINGHAM ENERGY from WASTE PLANT	Fabrication of Ram Type Bottom Ash Extractor	18.05.2020	23.12.2020	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	STIRLING Consortium (Newenergy/Tribe/Hita chi Zosen Inova)	Fabrication	Completed
ENGLAND	EW PLANT	2079-03	NEWHURST ENERGY from WASTE PLANT	Furnace Door Grate Service Bridge	15.05.2020	12.02.2021	Sub Contractor	Hitachi Zosen Inova	Hitachi Zosen Inova	Fabrication	Ongoing
TÜRKİYE	UNDERGROUND STORAGE EXPANSION PLANT	2109-01	TUZ GÖLÜ UNDERGROUND STORAGE EXPANSION PLANT	Fabrication of Surge Tanks Building Mechanical , 8pcs. Various vertical tanks for Pump station 1 to 4 and 2pcs horizontal surge tanks for pipe line between PS1-PS2 & PS2-PS3	7.05.2020	31.08.2020	Sub Contractor	JV of CAMCE & IC İtış	BOTAŞ	Fabrication	Completed
USA	CEMENT PLANT	2056	RAGFA CEMENT PLANT	Fabrication and Delivery of Fabricated Works (Steel Plate Works) for Additive Crushing Plant, additive mixing bed, Conveying to feed bin, Conveying to raw mill, Raw mill binding, Conveying to raw mill silo, Raw mill silo, Raw mill conveying system, Dedusting of kiln and raw grinding, Preheater, Rotary Kiln, Clinker cooler, Clinker cooler dedusting, Conveying to clinker storage	30.04.2020	30.12.2020	Sub Contractor	THYSSEN Krupp Industrial Solution	NATIONAL CEMENT Company	Fabrication	Completed
RUSSIA	PORT	1984	SUKHODOL PORT	Installation of mechanical equipment in Sukhodol PORT	5.02.2020	1.12.2020	Sub Contractor	MORSKOY PORT SUKHODOL	MORSKOY PORT SUKHODOL	Installation	On Going
TÜRKİYE	STORAGE VESSEL	1900-14	STORAGE VESSEL OUTER JACKET	Fabrication of Storage Vessel Outer Jacket	3.01.2020	10.02.2020	Sub Contractor	ARİTAŞ CRYOGENICS	Undisclosed	Fabrication	Completed
ENGLAND	EW PLANT	1875-7	ROOKERY ENERGY from WASTE POWER PLANT	Fabrication of Furnace Door and Grate Service Bridge	31.01.2020	31.07.2020	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	COVANTA Energy& VEOLIA Environnement	Fabrication	Completed

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TÜRKİYE	Mining Industry	1900-15	SUPPLY OF CARBON SCREEN	Manufacturing Works of 2 carbon Screens	10.01.2020			MNG GOLD	MNG GOLD	Fabrication	Completed
FRANCE	EW PLANT	1934-06	IVRY II ENERGY from WASTE POWER PLANT	Fabrication of Furnace Door And Grate Service Bridge	2.04.2020	10.03.2021 22.02.2023	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	SYCTOM	Fabrication	Completed
FRANCE	EW PLANT	1934-5	IVRY II ENERGY from WASTE PLANT	Fabrication of 2 nos. Feed Hopper	20.12.2019	Dec.2020	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	SYCTOM	Fabrication	Completed
FRANCE	EW PLANT	1934-4	IVRY II ENERGY from WASTE PLANT	Supply and Fabrication of Boiler Non-Pressure Part	20.12.2019	9.11.2020	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	SYCTOM	Fabrication	Completed
FRANCE	EW PLANT	1934-3	IVRY II ENERGY from WASTE PLANT	Supply and Fabrication of Combustion Air Duct	20.12.2019	Dec.2020	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	SYCTOM	Fabrication	Completed
FRANCE	EW PLANT	1934-2	IVRY II ENERGY from WASTE PLANT	Bottom Ash Chute & Grate Riddling removal works	20.12.2019	Dec.2020	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	SYCTOM	Fabrication	Completed
RUSSIA	EW PLANT	1845-4-4	Moscow ENERGY from WASTE PLANT	Supply of 6 nos. Ram type bottom ash extractors.	2.12.2019	27.05.2021	Sub Contractor	HITACHI ZOSEN KRB AG	RT-Invest	Fabrication	Completed
RUSSIA	EW PLANT	1845-4-3	Moscow ENERGY from WASTE PLANT	Supply of 6 nos. Ram type bottom ash extractors.	2.12.2019	27.05.2021	Sub Contractor	HITACHI ZOSEN KRB AG	RT-Invest	Fabrication	Completed
RUSSIA	EW PLANT	1845-4-2	Moscow 2 ENERGY from WASTE PLANT	Supply of 6 nos. Ram type bottom ash extractors.	2.12.2019	27.05.2021	Sub Contractor	HITACHI ZOSEN KRB AG	RT-Invest	Fabrication	Completed
RUSSIA	EW PLANT	1845-4-1	Moscow 1 ENERGY from WASTE PLANT	Supply of 6 nos. Ram type bottom ash extractors.	2.12.2019	27.05.2021	Sub Contractor	HITACHI ZOSEN KRB AG	RT-Invest	Fabrication	Completed
FRANCE	EW PLANT	1934-1	IVRY II ENERGY from WASTE PLANT	Supply and Manufacturing of •4 Nos Bottom Ash Extractor •4 Nos Slide Gate	26.11.2019	Dec.2020	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	SYCTOM	Fabrication	Completed
TÜRKİYE	TBD	1900-11	PRESSURE PIPE AND BRACING	Fabrication of Pressure Pipes and Bracings	22.11.2019	12.07.1906	Sub Contractor	OLMETSAN	OLMETSAN	Fabrication	Completed
TÜRKİYE	COMPENSATION TANK	1900-10	MANISA ALASEHIR ALA-2 JES	SUPPLY AND MANUFACTURING OF 2 NOS COMPENSATION TANKS	14.11.2019	12.07.1906	Sub Contractor	MASPO ENERJİ SANAYİ	MASPO ENERJİ SANAYİ	Fabrication	Completed
RUSSIA	SHIPLOADER	1929-1	SUPPLY AND MANUFACTURING OF SHIPLOADER	4 Nos. Shiploader 2800 tons Procurement & Fabrication 4000 tons Installation	14.11.2019	12.07.1906	Sub Contractor	BEDESCHI	BEDESCHI	Fabrication / Installation	Completed
GERMANY	BIOMASS POWER PLANT	1956	Blowdown Tank	Vertical Tank on 3 Legs Fabrication	29.10.2019	12.07.1906	Sub Contractor	AALBORG ENERGIE TECHNIK A/S	AALBORG ENERGIE TECHNIK A/S	Fabrication	Completed
TÜRKİYE	FILTER	1926	De-dusting Unit	De-dusting Unit, Fabrication, Installation, Commissioning	23.10.2019	6.03.2020	Sub Contractor	KARDEMİR	KARDEMİR	Fabrication / Installation	Completed
TÜRKİYE	Iron and Steel	1974-1	NEVA TOWERS PARCEL 4	Steel structure, Welded Manufacturing, Cleaning	8.10.2019	13.11.2019	Sub Contractor	METAL YAPI INOX	METAL YAPI INOX	Fabrication / Maintenance	Completed
GERMANY	EW PLANT	1895	Bottom Ash Extractor	Bottom Ash Extractor Fabrication	13.06.2019	11.07.1906	Sub Contractor	HITACHI ZOSEN KRB AG	HITACHI ZOSEN KRB AG	Fabrication	Completed
ENGLAND	EW PLANT	1875-06	ROOKERY ENERGY from WASTE POWER PLANT	Additive Ca(OH)2 (lime) Silo, Silo(PAC), CaO Silo, Residue Silo	14.10.2019	16.03.2020	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	COVANTA Energy & VEOLIA Environnement	Fabrication	Completed
ENGLAND	EW PLANT	1875-01 & 02	ROOKERY ENERGY from WASTE POWER PLANT	FEED Hopper, Bottom Ash Extractor	10.05.2019	27.11.2019	Sub Contractor	HITACHI ZOSEN INOVA AG-SWITZERLAND	COVANTA Energy & VEOLIA Environnement	Fabrication	Completed
BULGARIA	WAEZ PLANT	1821	Waelz Facility for Processing of Zinc Bearing Materials	WAEZ PLANT	2019	5.08.2022	Sub Contractor	HARMONEE	HARMONEE	EPC	Completed
TÜRKİYE	POWER PLANT	1816	WIND POWER PLANT EQUIPMENT FAB. PLANT	ROTOR, STATOR VESSELS AND RESIN STORAGE TANKS	24.09.2018	9.01.2019	Sub Contractor	ENERCON GMBH	ENERCON GMBH	Fabrication / Installation	Completed
UZBEKISTAN	POWER PLANT	1738	TURAKURGAN CCPP	• Field Erected Storage Tanks • 2 Nos Pretreated Water Tank, • 1 Nos Service Water Tank, • 2 Nos Demineralised Water Tank, • 1 Nos Tap Water Tank, • 1 Nos Softened Water Tank, • 1 Nos Dirty Condensate Tank, • 2 Nos Clean / Dirty Oil Tank, • 2 Nos Sulphuric Acid Tank - CT Area, • 2 Nos Sodium Hypochlorite Tank - CW Area, • 2 Nos Ferric Chloride Tank - CT&RW Area	25.10.2017	15.07.2018	Sub Contractor	MTG	ÇALIK ENERGY	Fabrication	Completed

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FRANCE	CEMENT PLANT	1823	CEMENT PLANT	ROTARY DRYER • Supply of a half bottom outlet hood, and the symmetric half bottom outlet hood. • Plates (Rept.2,3) in CREUSABRO 4000 OR HARDOX 400 • Supply of a half bottom outlet hood, and the symmetric half bottom outlet hood. • Other parts (gussets, flanges,...) in S355	27.11.2017	28.02.2018	Sub Contractor	SERCER INDUSTRIE	SERCER INDUSTRIE	Fabrication	Completed
SPAIN	POWER PLANT	1782	JAMAICA GEOTHERMAL POWER PLANT	AIR TANKS/ PRESSURE VESSELS	1.02.2018	30.06.2018	Sub Contractor	SEC GROUP	SEC GROUP	Fabrication	Completed
TÜRKİYE	WELZ PLANT	1415	BEFESA WELZ PLANT	WELZ PLANT	21.06.2018	1.12.2018	Sub Contractor	SARTECH	KARDOĞMAK	EPC	Completed
TÜRKİYE	EW PLANT	1774	ISTANBUL ENERGY from WASTE POWER PLANT	1774-04 FEED Hopper 1774-05 Bottom Ash Chute, Grate Riddling 1774-09 Boiler Non Pressure Parts 1774-10 Silos	31.05.2018	31.10.2022	Sub Contractor	JV HITACHI ZOSEN INOVA AG-SWITZERLAND & MAKYOL-TÜRKİYE	ISTANBUL Municipality IBB	Fabrication	Completed
SUDAN	POWER PLANT	1756	GARRI III OCCP	Tank Farm and Unloading Stations SIEMENS 935 MW UNLOADING STATIONS AND TANK FARM EPC • Fuel Treatment and Storage System • Water Treatment and Storage System • Compressed Air System • Black Start Diesel Generator • Fire Fighting System • Cranes and Lifting Equipment • Ventilation and A.C. System • Cathodic Protection	31.05.2018	15.07.1905	Sub Contractor	SEMI ENERGY	STPG SUDANESE THERMAL POWER GENERATION	EPC	Completed
TÜRKİYE	POWER PLANT	1553	DENİZLİ GEOTHERMAL POWER PLANT	Pipe spool and supports	1.02.2017	28.02.2017	Sub Contractor	MTG	MTG	Fabrication	Completed
TURKMENISTAN	POWER PLANT	1699	MARY3 POWER PLANT	Field Erected Storage Tanks • 2 Nos Acid Tanks • 2 Nos Alkali Tanks • 2 Nos Clarified Tanks • 3 Nos Condensated Tanks • 2 Nos Demineralised Tanks • 1 Nos Potable Water Tank	1.02.2017	30.06.2017	Sub Contractor	MTG	ÇALIK ENERGY	Fabrication	Completed
TÜRKİYE	POWER PLANT	1718	TURKUAZ OIL STORAGE FACILITY	OIL Tanks Maintenance Works	30.05.2017	30.07.2017	Sub Contractor	TURKUAZ	Zülfikar Holding	Fabrication / Installation	Completed
IRAQ	POWER PLANT	1500-01	KHABAT THERMAL POWER PLANT • Engineering, Site Erection works of 1Nos Limestone Storage Silo	Extra Works, Lime Stone Storage Silo, BOP Piping	5.05.2016	30.01.2017	Sub Contractor	GAMA/POSCO	GAMA/POSCO	Fabrication / Installation	Completed
TÜRKİYE	STORAGE TANK	1640	HAMITABAT FIELD ERRECTED TANK FOR 1200MW POWER PLANT	•Field Erected Storage Tanks •1 Nos 2500 m3 Demineralized Water Tank •1 Nos 3000 m3 Raw & Fire Water Tank	10.05.2016	30.10.2016	Sub Contractor	GAMA Power System	GAMA Power System	Fabrication / Installation	Completed
TÜRKİYE	RES Plant	1482	WIND FARM PROJECT	Wind Measurement Masts	20.01.2016	30.04.2016	Sub Contractor	Enerpro	INEGI	Fabrication	Completed
IRAQ	POWER PLANT	1500	KHABAT THERMAL POWER PLANT • Engineering, Site Erection works of 5 Nos API 650 type Fuel Oil and Diesel Storage Tanks	Field Erected Storage Tanks	2.09.2015	19.12.2016	Sub Contractor	GAMA/POSCO	MOE MINISTER OF ELECTRICITY	Engineering / Erection	Completed
IRAQ	TBD	1638	BASRAH WTP	KD Tanks	10.12.2015	15.02.2016	Sub Contractor	OVIVO WATER	OVIVO WATER	Fabrication / Installation	Completed
TÜRKİYE	FERTILIZER PLANT	1550	BAGFAS CALCIUM AMMONIUM NITRATE PLANT	Fertilizer Plant • 450 ton steel structure building erection. •250 ton Process Duct & Chute site erection. • 15.000 WDI CS & SS Spool piping installation. • 12.000 m2 building roof and facade cladding installation	2.09.2014	20.05.2015	Sub Contractor	Thyssen Krupp UHDE / MTG	BAGFAS	Erection	Completed

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TÜRKİYE	CEMENT PLANT	1508	ÇİMENTAŞ KARS CEMENT FACTORY FILTER CONVERSION	• Bag Filter & Cooler • Fabrication, Site erection, Commissioning of 300000 m3 Kiln Bag Filter and 150000 m3 Clinker Cooler with below mentioned scope: • 1 x Kiln Bag Filter and 1 x Clinker Cooler Bag Filter With Casing, Plenum, Hoppers, Gates and Flaps and 1 Tube Type Heat Exchanger • 2 x Radial Fans • 2 x Stacks, Flue Gas Ducts, • Conveying Systems, Structural Steel	26.05.2014	2.10.2014	Sub Contractor	CTP	CEMENTIR	Fabrication / Installation	Completed
TÜRKİYE	RES Plant	1570	WIND FARM PROJECT	Wind Measurement Masts	15.11.2014	20.01.2015	Sub Contractor	Enerpro	INEGI	Fabrication	Completed
TÜRKİYE	CEMENT PLANT	1509	ÇİMENTAŞ ELAZIĞ CEMENT FACTORY FILTER CONVERSION	• Bag Filter • Fabrication, Site erection, Commissioning of 480.000 m3 Kiln Bag Filter with below mentioned scope: • 1 x Bag Filter with casing, Plenum (Stainless Steel), Hoppers, Gates and Flaps • 1 x Radial Fans • 1 x Stacks, Flue Gas Ducts • Conveying Systems, Structural Steel	20.02.2014	30.06.2014	Sub Contractor	CTP	CEMENTIR	Fabrication / Installation	Completed
TÜRKİYE	RES Plant	1482	WIND FARM PROJECT	Wind Plant	20.09.2013	30.11.2013	Sub Contractor	Enerpro	INEGI	Fabrication	Completed
ENGLAND	WASTE RECOVERY PLANT	1503	WASTE RECOVERY PLANT	ACC Structural Steel	8.11.2013	17.03.2014	Sub Contractor	Clyde Bergemann	Clyde Bergemann	Fabrication	Completed
GERMANY	WASTE RECOVERY PLANT	1464 1469	WASTE RECOVERY PLANT	ACC Structural Steel	25.10.2013	6.01.2014	Sub Contractor	Clyde Bergemann	Clyde Bergemann	Fabrication	Completed
TÜRKİYE	CEMENT PLANT	1380	5.000 TPD CEMENT PLANT	Preheater Unit Engineering, Fabrication, Surface Preparation, Shop Prime	30.06.2013	30.06.2014	Sub Contractor	AVIC	SONMEZ	Fabrication	Completed
IRAQ	POWER PLANT	1126-01	750MW NAINAWA POWER PLANT	• Fire Fighting 20.000WDL • Erection works of Fire Fighting System of the Project Site including piping, hydrants and valves • Erection works of Fire Fighting Pump House	10.10.2012	30.09.2013	Sub Contractor	CALIK ENERGY	CALIK ENERGY	Fabrication / Installation	Completed
TÜRKİYE	POWER PLANT	1223	ASLANCIK HYDRO POWER PLANT	Cooling water system	10.05.2012	15.11.2013	Sub Contractor	RAINPOWER	RAINPOWER	EPC	Completed
TÜRKİYE	POWER PLANT	1391	900MW EGEMER PROJECT ERZIN CCPP	• Storage Tanks API650 EPC, turnkey • Engineering • Fabrication • Erection • Tank inner piping works of 7 units of Field erected storage tanks	12.09.2012	30.10.2013	Sub Contractor	GAMA	GE	EPC	Completed
TURKMENISTAN	Oil and Gas, Petroleum, Refinery	1195	DRAGON OIL REFINERY	40000 m3 Crude Oil Tank Farm Terminal			Sub Contractor	Ilk Construction		Fabrication Erection	Completed
IRAQ	POWER PLANT	1126	750MW NAINAWA POWER PLANT	• Storage Tanks 95.000cbm • Fabrication, transportation, site erection and painting works of 12 Nos API 650 type Fuel and Water Storage Tanks • Erection works of 4 Nos Fuel Storage Tanks (2 Raw HFO Tank, 2 LDO Tanks) Floating Roof	10.05.2011	15.01.2013	Sub Contractor	CALIK ENERGY	MOE MINISTER OF ELECTRICITY	Fabrication / Installation	Completed
TÜRKİYE	POWER PLANT	1153	AKSA ENERGY POWER PLANT ANTALYA	• 3000 m³ Raw Water Tank • Engineering, Fabrication, Erection	5.11.2010	12.03.2011	Sub Contractor	AKSA Energy	AKSA Energy	Fabrication / Installation	Completed
TÜRKİYE	POWER PLANT		AKSA ENERGY POWER PLANT SAMSUN	• LO Service Tank • 20 m³ LO Service Tank (Engineering, fabrication, erection)		3.07.1905	Sub Contractor	AKSA Energy	AKSA Energy	Fabrication / Installation	Completed
CYPRUS	POWER PLANT		AKSA ENERGY POWER PLANT CYPRUS	• De-Sox Tower • Tower & Pump station (engineering, fabrication, erection) - 13.5 m³ / 12 Bar steam Drum (engineering, fabrication)	1.08.2011	30.04.2012	Sub Contractor	AKSA Energy	AKSA Energy	Fabrication / Installation	Completed

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TÜRKİYE	POWER PLANT		EÜAS AMBARLI POWER PLANT	Steam Turbine HP-LP Crossover Piping	14.03.2011	8.10.2012	Sub Contractor	BGM	EÜAS	Fabrication	Completed
TÜRKMENİSTAN	BUILDING		South Yoloten Substation Building	Structural Steel	8.09.2011	4.05.2012	Sub Contractor	Ilk Construction	PETROFAC	Fabrication	Completed
TÜRKİYE	CEMENT FACTORY	1124	Afyon Cement Factory Filter Conversion	Bag Filter - Fabrication, Site erection, Commissioning of 250.000 m3 Kiln Bag Filter with below mentioned scope: 1 x Bag Filter with casing, Plenum (Stainless Steel), Hoppers, Gates and Flaps 1 x Radial Fans 1 x Stacks, Flue Gas Ducts Conveying Systems, Structural Steel	17.02.2011	31.08.2011	Sub Contractor	CTP	ITALCEMENTI	Fabrication / Installation	Completed
TÜRKİYE	CEMENT PLANT	1298	Ado 2500tpd Cement Plant Erection	•FUEL Oil Storage Tank •Fabrication •Erection of 2 Nos 5000 m3 storage Tanks		2.07.1905	Sub Contractor	DAL	YURT CIMENTO	Fabrication / Installation	Completed
TÜRKİYE	POWER PLANT	1147	TAI Power Plant Gas Treatment	De-Sox & Bag Filter Fabrication, Site Erection, Commissioning of FGD System with below mentioned scope 2 x Bag Filters with casing, Plenum, Hoppers, Gates and Flaps 2 x Radial Fans 2 x Stacks, Flue Gas Ducts, Lime Silo, Absorber, Desulfurization System, Conveying systems	5.11.2010	12.03.2011	Sub Contractor	CTP	TAI (TURKISH AEROSPACE INDUSTRIES	Fabrication / Installation	Completed
TÜRKİYE	POWER PLANT		Aksa Energy Power Plant Antalya	Drain Tank with 9 m³ 5.5 Bar Engineering, Fabrication	26.09.2010	30.11.2010	Sub Contractor	AKSA Energy	AKSA Energy	Fabrication	Completed
TÜRKİYE	POWER PLANT		Aksa Energy Power Plant Antalya	HRSB Blow down Tank with 9 m³ 5.5 Bar Engineering, Fabrication	5.11.2010	12.03.2011	Sub Contractor	AKSA Energy	AKSA Energy	Fabrication	Completed
TÜRKİYE	POWER PLANT	1188	Aksa Energy Power Plant Mardin	Power Plant 1 Nos. 200 m3 HFO Buffer Tank (Engineering, Fabrication, Erection) 1 Nos. 1000 m3 HFO Day Tank (Engineering, Fabrication, Erection) DeSOx Tower and Pumping Station (Engineering, Fabrication, Erection)	2.03.2011	7.07.2011	Sub Contractor	AKSA Energy	AKSA Energy	EPC	Completed
TÜRKİYE	FACTORY CONSTRUCTION		Areva MV Transformer Factory Construction	Factory Construction	29.06.2010	30.11.2010	Sub Contractor	AREVA / SCHNEIDER	AREVA / SCHNEIDER	Revamping / Installation	Completed
MOROCCO	CEMENT PLANT	1148	Morocco Cement Plant	Bag Filter - Fabrication, Site erection, Commissioning of 190.000 m3 Kiln & Raw Meal Bag Filter with below mentioned scope: 1 x Bag Filter with casing, Plenum, Hoppers, Gates and Flaps 1 x Radial Fans Flue Gas Ducts	5.11.2011	10.05.2011	Sub Contractor	CTP	CTP	Fabrication / Installation	Completed
TÜRKİYE	Oil and Gas, Petroleum, Refinery		LPG Tanks for OVM POAŞ Gas Storage Facility	LPG Tank System of oil Stations 10m3 LPG Tanks - Engineering - Procurement of Equipment - Fabrication of Tank and piping according to AD MB Standard and PED 97/23/EC Directive	10.10.2009	25.03.2010	Sub Contractor	OMV POAŞ	OMV POAŞ	EPC	Completed
TÜRKİYE	BIO Gas POWER PLANT		Bio Gas Power Plant	Boiler	15.07.2009	30.10.2009	Sub Contractor	TUBITAK / DAL	TUBITAK / DAL	Fabrication / Installation	Completed
TÜRKİYE	CEMENT PLANT		Oyak 3500tpd Cement Plant Construction	Erection			Sub Contractor	Mardin Plant		Fabrication / Installation	Completed
TÜRKİYE	POWER PLANT		Delta Energy Power Plant Buyukkaristiran	ACC			Sub Contractor	AKSA	SPIG	Manufacture	Completed

CEO

Mr. Hakan YILDIRIM
hakanyildirim@dehatech.com

Managing Partner for DHB

Mr. Fatih Ermiş
fatihermis@dehatech.com

Managing Partner

Mr. Berk DAL
berkdal@dehatech.com

Projects Coordinator

Mr. Evren GÜRBÜZ
evrengurbuz@dehatech.com

Electric & Automation Manager

Mr. Salih DEĞER
salihdeger@dehatech.com

BD Manager

Mrs. Suzan YILMAZ
suzanyilmaz@dehatech.com



Deha Tech Headquarters

Müeyyedzade Mah. Kemeraltı Cad.
No:28 PK:34425 Karaköy, İstanbul,
TÜRKİYE
+90 212 252 48 00
info@dehatech.com

Kartepe 1 & 2 Factories

Arslanbey Mah. Yeşilevler Sk. No:5
PK:41285, Kartepe, Kocaeli, TÜRKİYE
Arslanbey OSB Mah. 3. Sk. No:12
PK:41285, Kartepe, Kocaeli, TÜRKİYE

Gebze Factories

Barış, Koşuyolu Cad. No:23
PK: 41400 Gebze, Kocaeli, TÜRKİYE



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