
ZEC ENERGOSERVICE
GRUPA ENERGOINSTAL S.A.

ABOUT COMPANY

Our firm is connected closely with power industry traditions of the Podbeskidzie and Cieszyn Silesia region. Energy sources require continuous servicing, overhaul and investment works from their formation in order to operate faultlessly.

Those works have been dealt with, among others, specialized overhaul Department operating:

- since 1910 in the Cieszyn Heat and Power Generating Plant
- since 1960 in the Bielsko-Biała Heat and Power Generating Plant
- since 1976 in the Czechowice-Dziedzice Heat and Power Generating Plant

and the Overhaul-Regeneration Plant set into motion at the Complex of the Bielsko-Biała Heat and Power Generating Plants in 1984, located near the Heat and Power Generating Plant near Czechowice-Dziedzice.

Highly qualified specialists employed at the above mentioned entities, joining together different professions, enabled to succeed in performing difficult service and production tasks, also outside the Complex of the Bielsko-Biała Heat and Power Generating Plants.

In November 1995, as a result of restructuring activities, taking place at the Complex of the Bielsko-Biała Heat and Power Generating Plants S.A. (Joint Stock Company), all overhaul services were separated organizationally, and in December 1995 on their basis a company under the following name was established and entered into the Commercial Register:
Przedsiębiorstwo Remontowo - Regeneracyjne (Overahul-Regenration Enterpise)
Zespołu Elektrociepłowni Bielsko-Biała (the Complex of the Bielsko-Biała Heat and Power Generating Plants)

ENERGOSERVICE
Spółka z ograniczoną odpowiedzialnością (Limited liability company)
On 30th July 2009 the enterprise was included in the ENERGOINSTAL S.A. (Joint stock Company) Capital Group and it operates under the name of:
ZEC ENERGOSERVICE.

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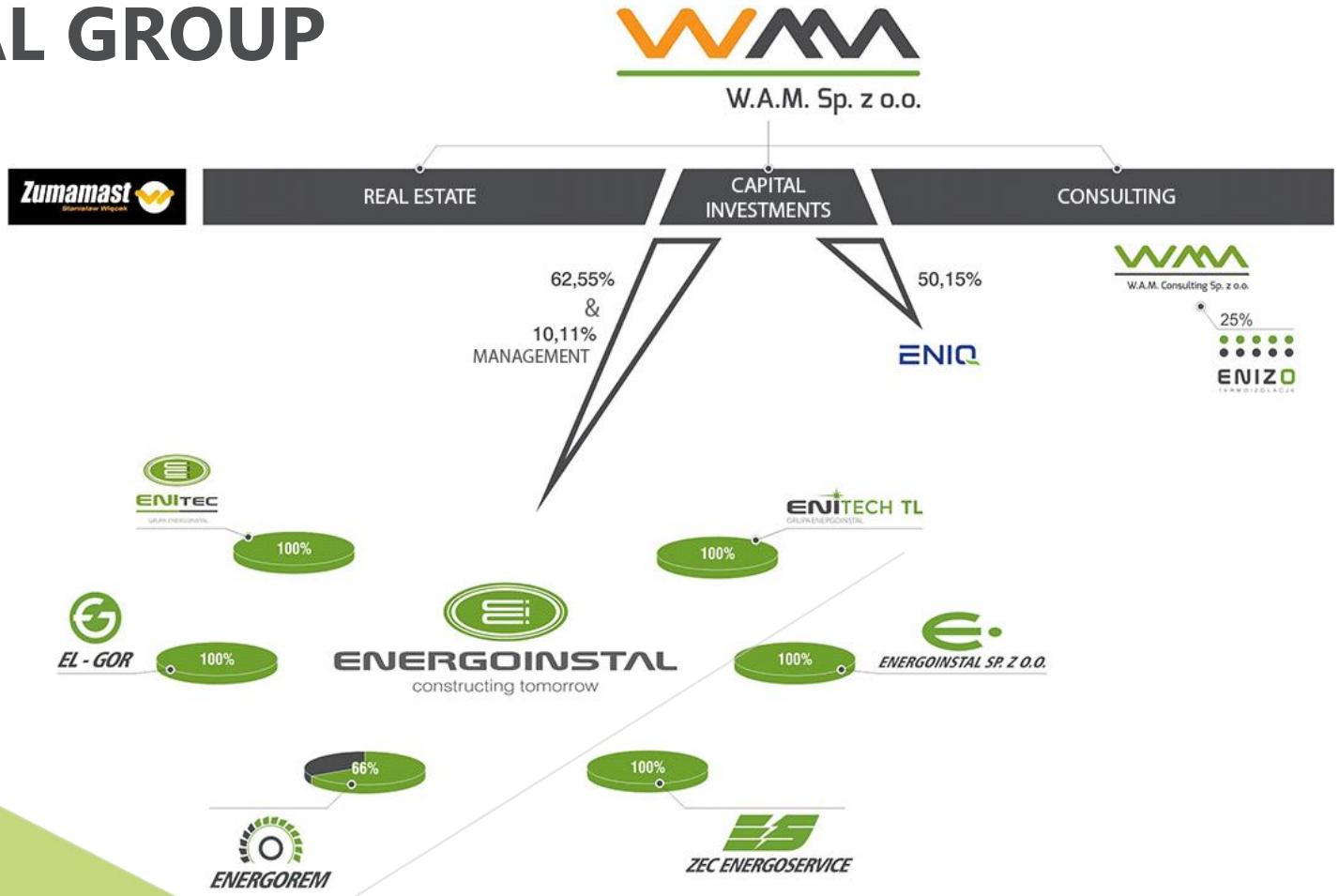
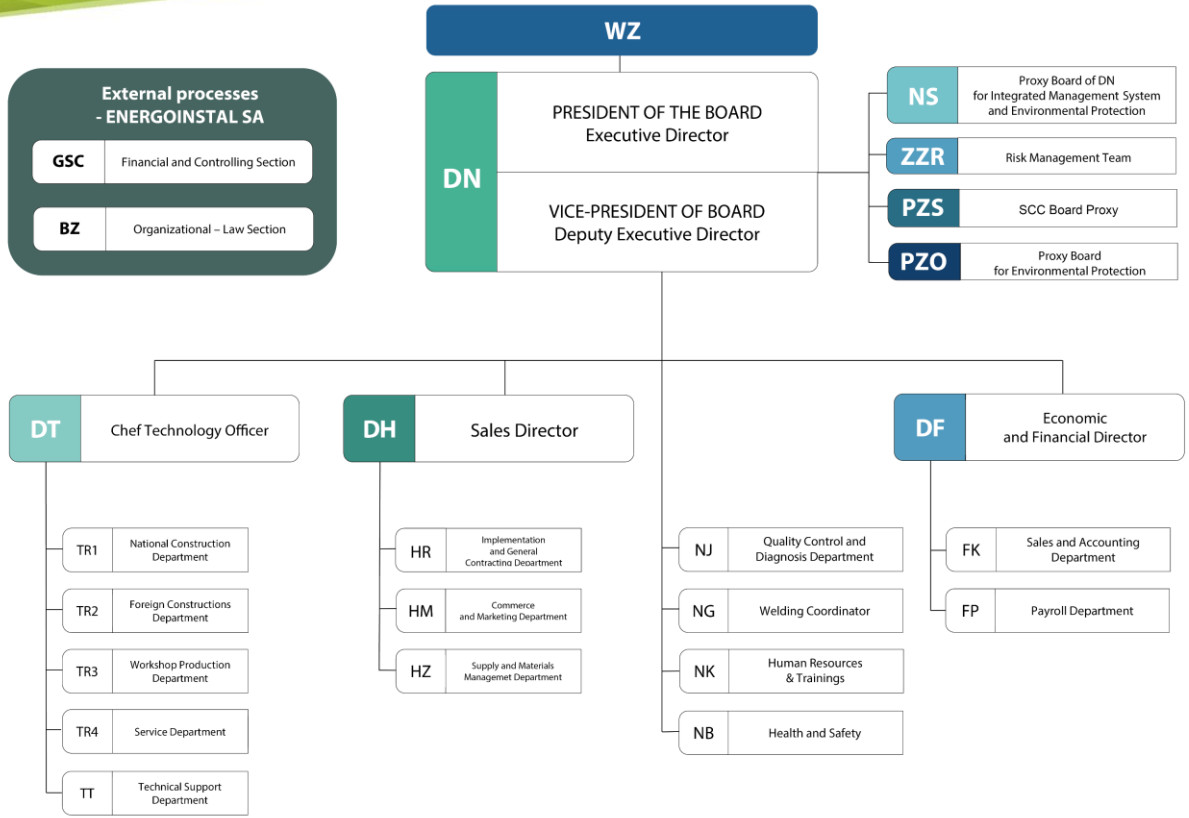
GRUPA ENERGOINSTAL S.A.

CAPITAL GROUP



ORGANIZATION CHART



ZEC ENERGOSERVICE
GRUPA ENERGOINSTAL S.A.

GENERAL LAYOUT

ZEC ENERGOSERVICE
GRUPA ENERGOINSTAL S.A.

QUALITY

The fundamental goal of the Quality Policy ZEC Energoservice Sp. z o.o. is the continuous fulfillment of the needs and requirements of all our customers, the safety of people related to our business and management of environmental aspects for their complete satisfaction in the assembly and production of equipment for the energy industry, as well as all types of technological installations, e.g. for environmental protection - at the highest European and world level.

AUTHORIZATIONS INCLUDED:

1. Quality Management System Certificate according to PN-EN ISO 9001: 2015
2. Quality Management System Certificate according to PN-N ISO 18001: 2004
3. Quality Management System Certificate according to PN-EN ISO 14001: 2015
4. Certificate of conformity of the Factory Production Control according to EN 1090-2
5. Certificate of quality requirements for fusion welding of metallic materials according to EN ISO 3834-2: 2005
6. Welding certificate according to EN 1090-2
7. Authorization of UDT to manufacture:
   - non-pressure tanks and low-pressure tanks for toxic or corrosive materials,
   - non-pressure tanks and low-pressure tanks for flammable liquids,
   - industrial pipelines for combustible materials, industrial pipelines for toxic or corrosive materials.
8. Authorization of UDT to repair and modernize:
   - non-pressure tanks and low-pressure tanks for toxic or corrosive materials,
   - non-pressure tanks and low-pressure tanks for flammable liquids,
   - steam boilers,
   - water boilers,
   - steam pipelines connecting the boiler with the turbogenerator,
   - constant pressure tanks,
   - industrial pipelines for combustible materials,
   - industrial pipelines for toxic or corrosive materials.
9. Authorization of UDT to perform repairs:
   - mobile platforms,
   - storehouse stacker cranes,
   - gantry cranes,
   - fixed cranes,
   - self-driven cranes,
   - mobile cranes
   - winches/hoists
10. EU Certificate of conformity - requirements of module A2 of the Directive 2014/68/EU
11. Certificate verification of a manufacturing plant in connection with module G according to Directive 2014/68/EU
12. Certificate of quality requirements for appropriate transferring of stamping of materials
13. SCC Certificate

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GRUPA ENERGOINSTAL S.A.

CAPABILITIES

FACILITY

- 3500 m^2 area
- Gantries
  8 tons
  5 tons

TOOLS

- Bending
- Driling
- Milling/Turning
- Cutting
- Heat treatment
- Welding
- NDT - tests

STAFF

- 50 TIG
  PRESSURE
  WELDERS
- 100 FITTERS
- 20 ENGINEERS

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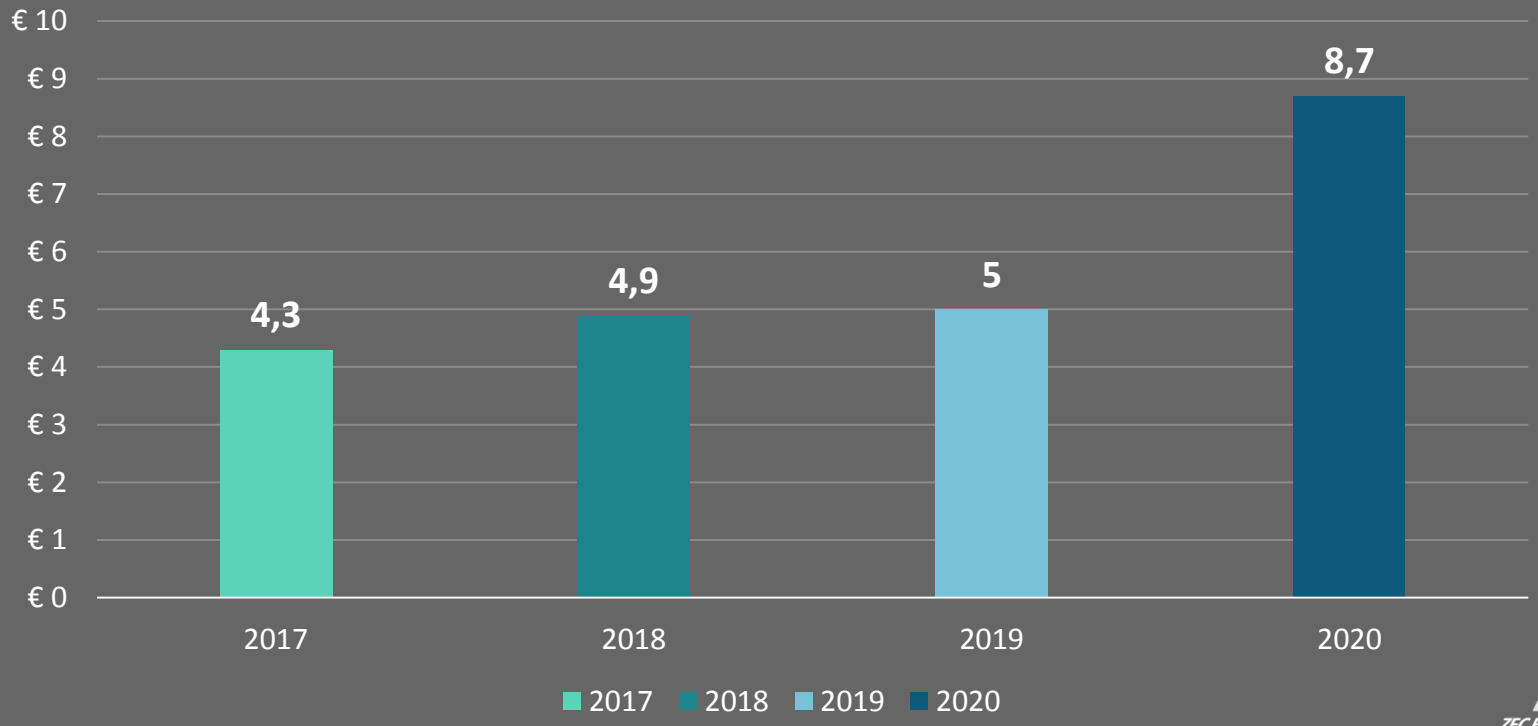
TURNOVER (MLN EUR)



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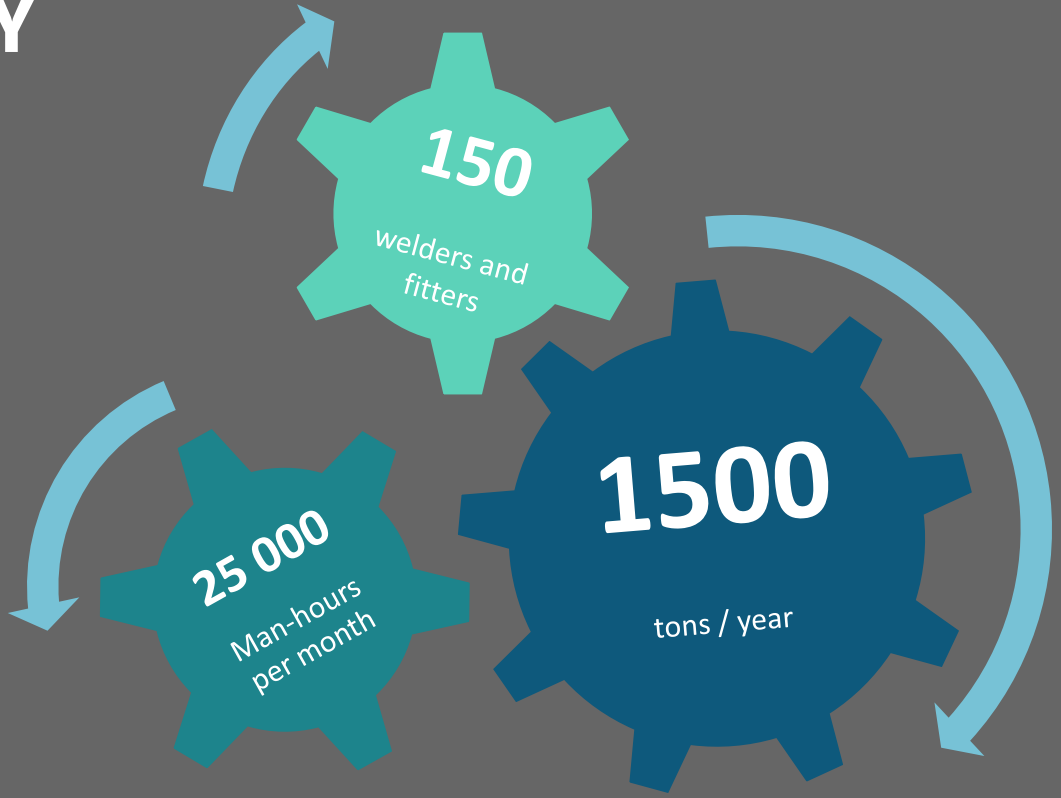
CAPACITY



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CURRENT PROJECTS

ZEC ENERGOSERVICE
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PROJECT EVONIK

Efficiency steam:

226 t/h

Working Pressure:

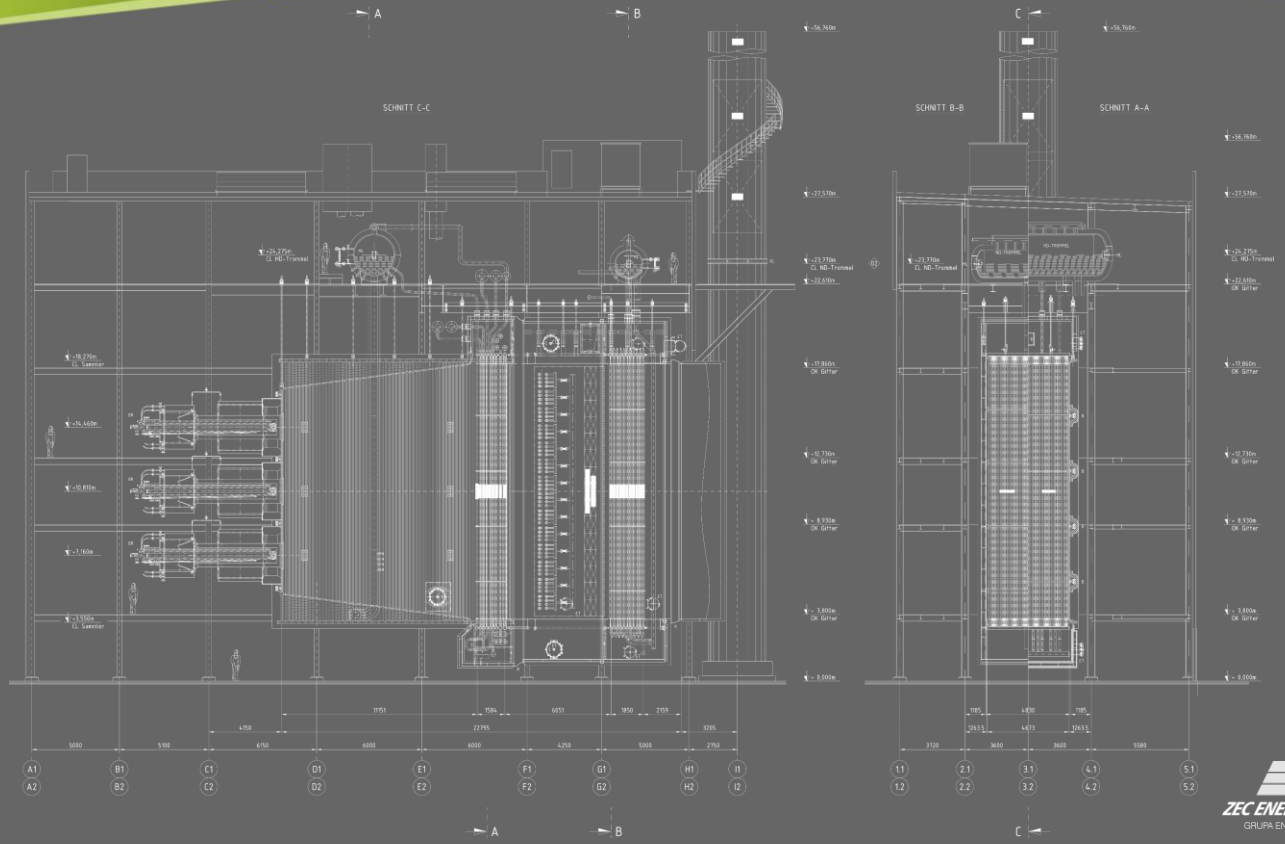
93 Bar

Working Temperature:

500 °C

Weight:

600 t



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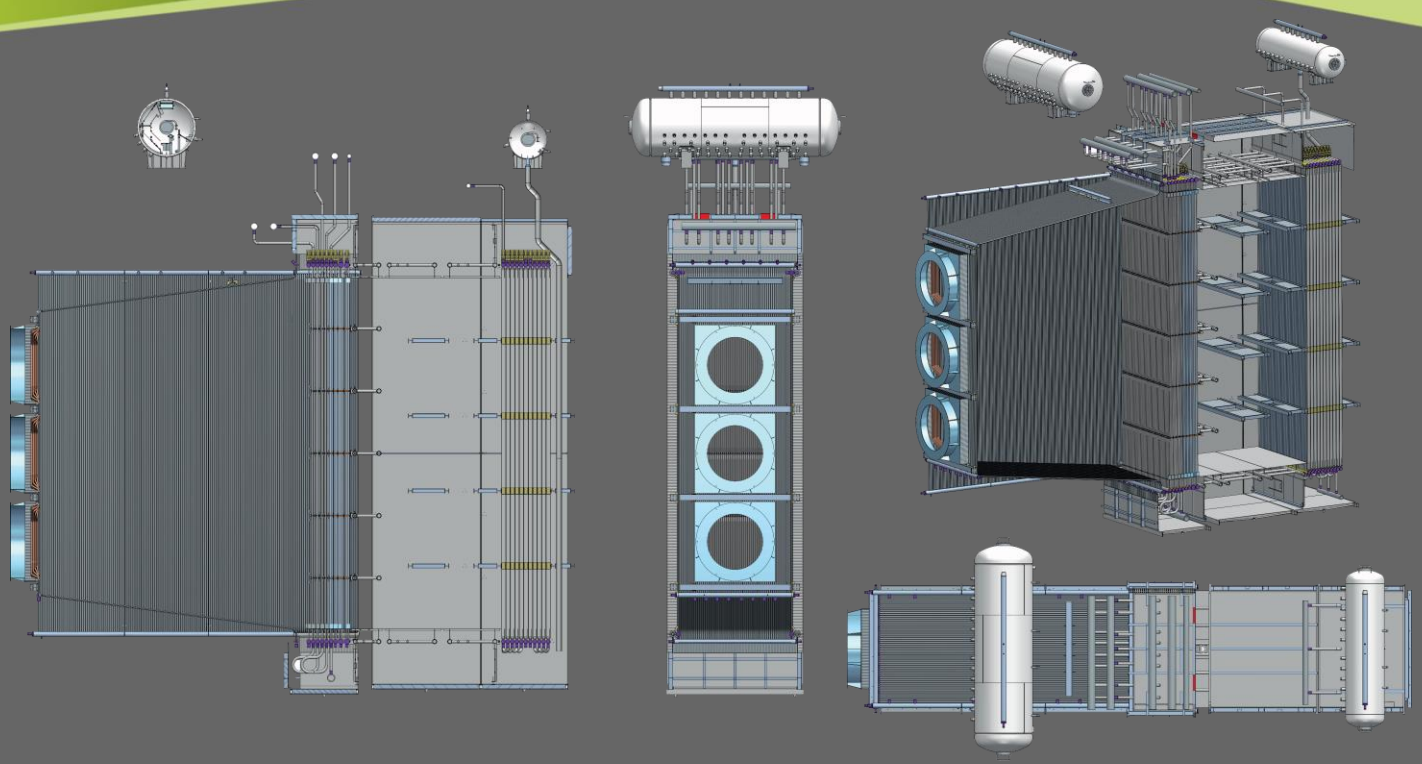

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PROJECT INEOS

Working Pressure:

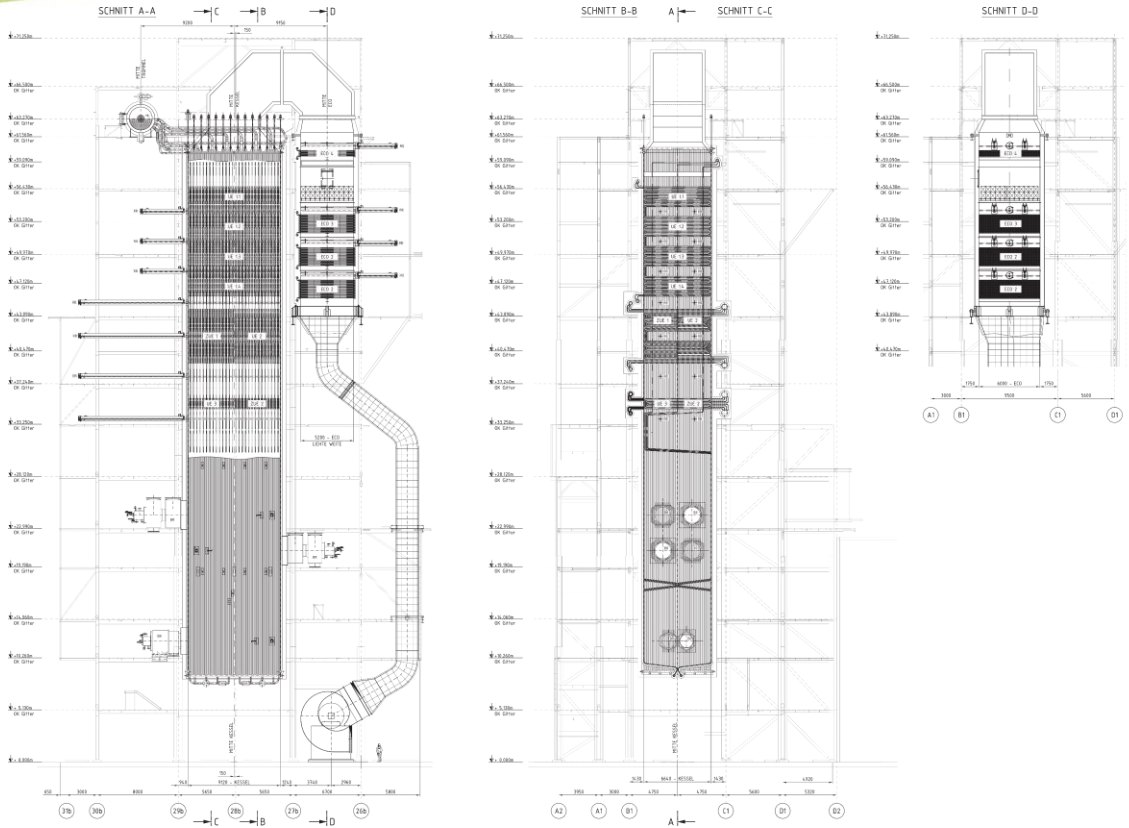
110,2 Bar

Working Temperature:

532 °C

Weight:

1350 t



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PROJECT GEEL

Efficiency steam:

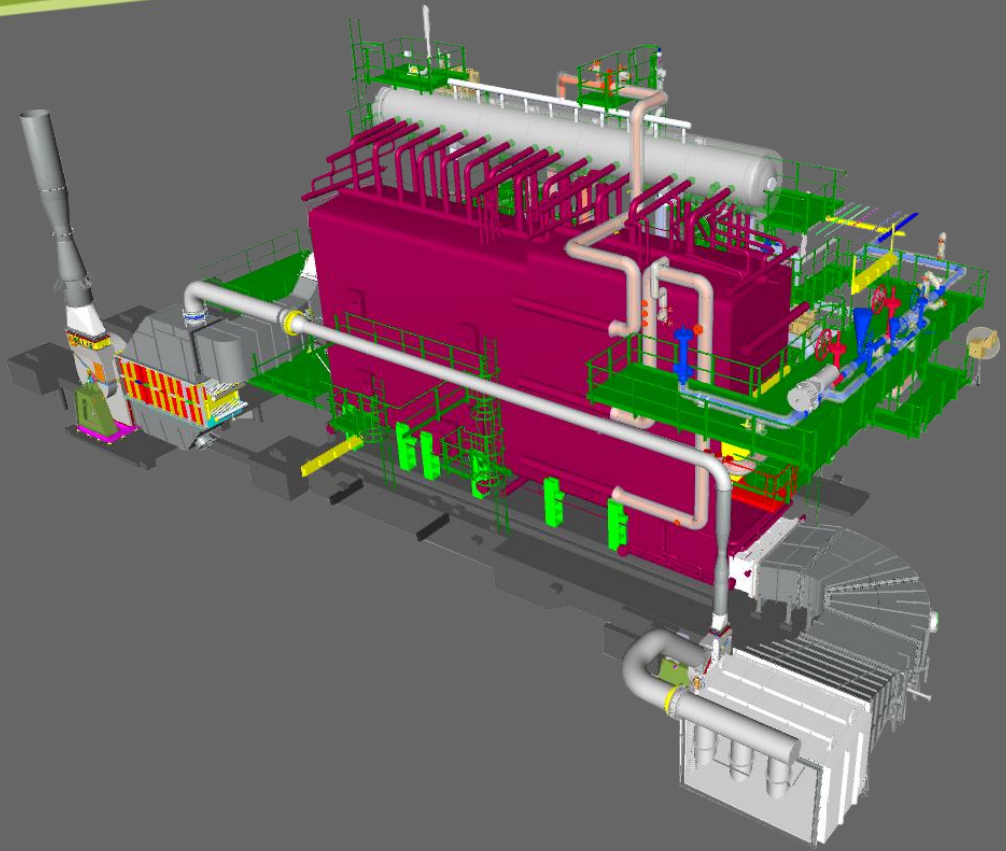
80 t/h

Working Pressure:

71 Bar

Working Temperature:

380 °C



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REALIZATIONS

ZEC ENERGOSERVICE
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POWER PLANT – „Zielona Gora”

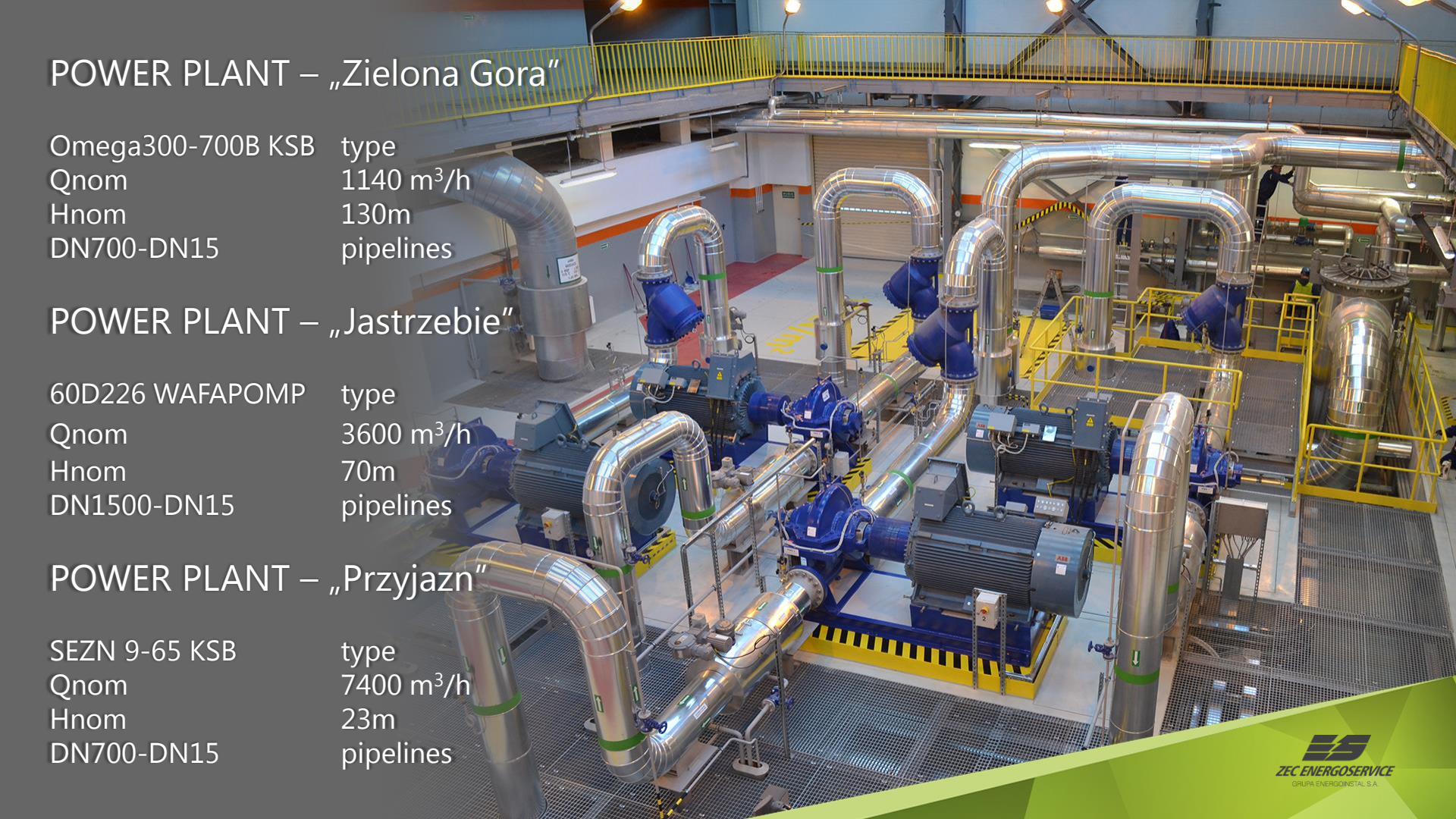
Omega300-700B KSB	type
Qnom	1140 m^3/h
Hnom	130m
DN700-DN15	pipelines

POWER PLANT – „Jastrzebie”

60D226 WAFAPOMP	type
Qnom	3600 m^3/h
Hnom	70m
DN1500-DN15	pipelines

POWER PLANT – „Przyjazn”

SEZN 9-65 KSB	type
Qnom	7400 m^3/h
Hnom	23m
DN700-DN15	pipelines



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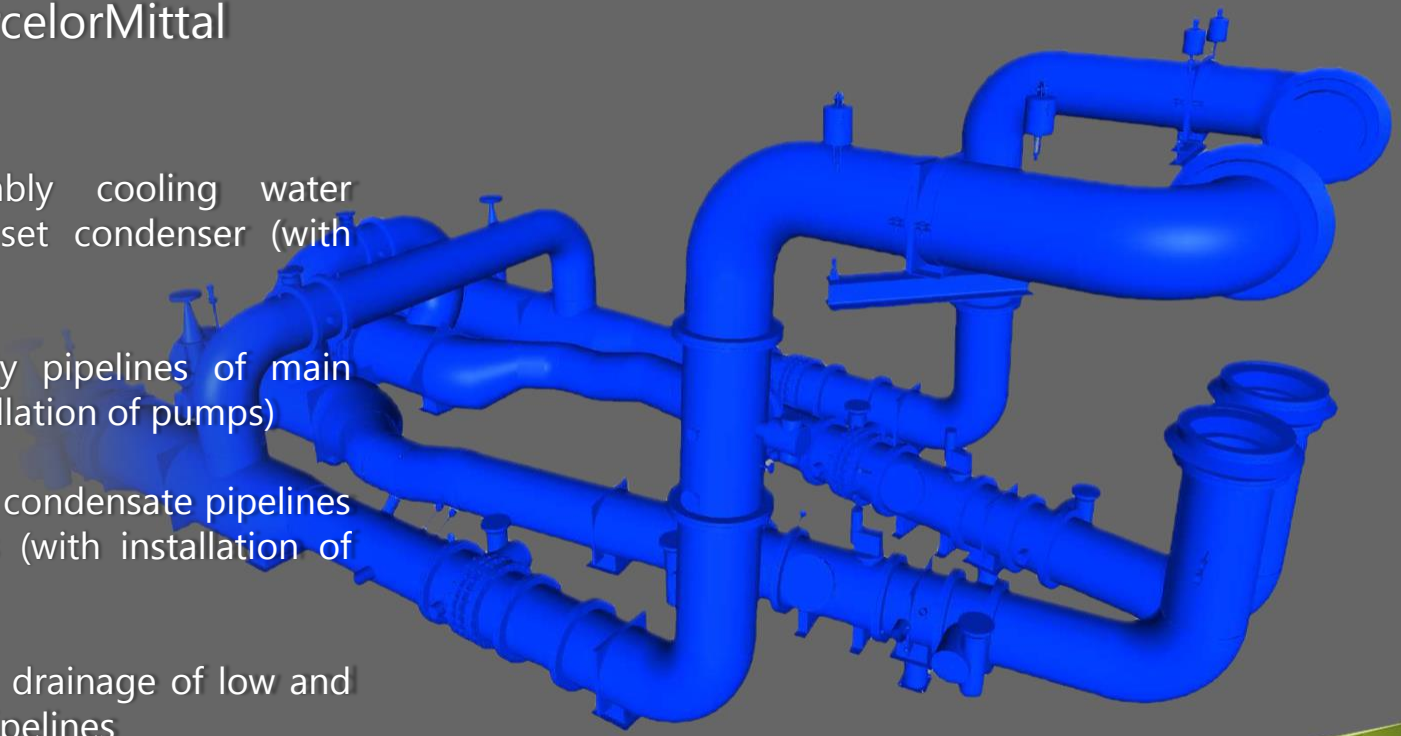
Project Budimex / ArcelorMittal Krakow

- delivery and assembly cooling water pipelines to turbine set condenser (with Taprogge instalation)
- delivery and assembly pipelines of main condensate (with installation of pumps)
- delivery and assembly condensate pipelines from heat exchangers (with installation of pumps)
- delivery and assembly drainage of low and high pressure steam pipelines



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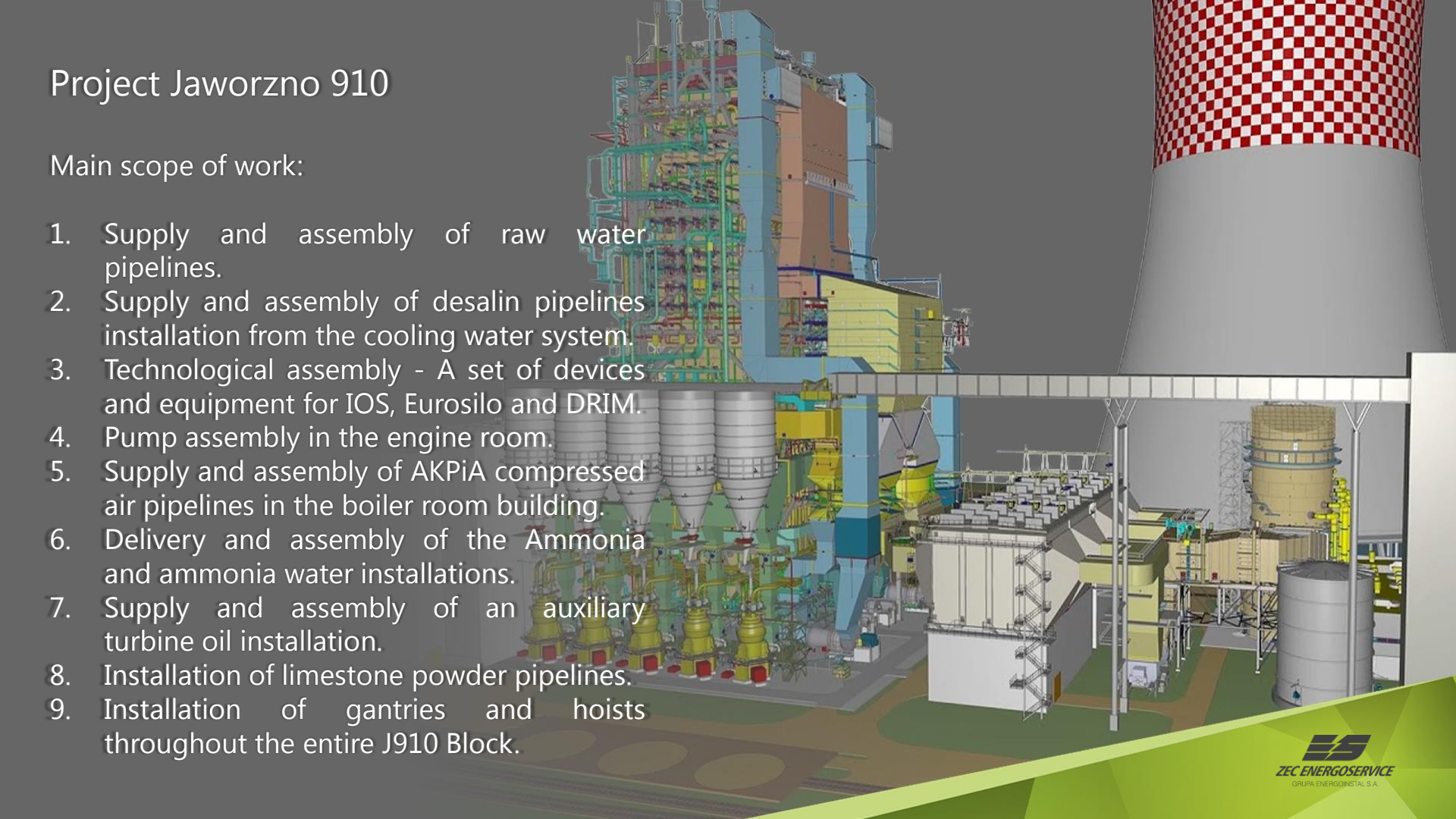
Project Jaworzno 910

Main scope of work:

1. Supply and assembly of raw water pipelines.
2. Supply and assembly of desalin pipelines installation from the cooling water system.
3. Technological assembly - A set of devices and equipment for IOS, Eurosilo and DRIM.
4. Pump assembly in the engine room.
5. Supply and assembly of AKPiA compressed air pipelines in the boiler room building.
6. Delivery and assembly of the Ammonia and ammonia water installations.
7. Supply and assembly of an auxiliary turbine oil installation.
8. Installation of limestone powder pipelines.
9. Installation of gantries and hoists throughout the entire J910 Block.



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PROJECT GLOGOW
Gas-Steam Block
(41MWe, 40MWt)

Pipelines of fresh steam and technological steam

pressure	0,8 - 7,25MPa
temperature	493 °C
material	13CrMo5-4/P235GH
dimension	DN500 / DN80

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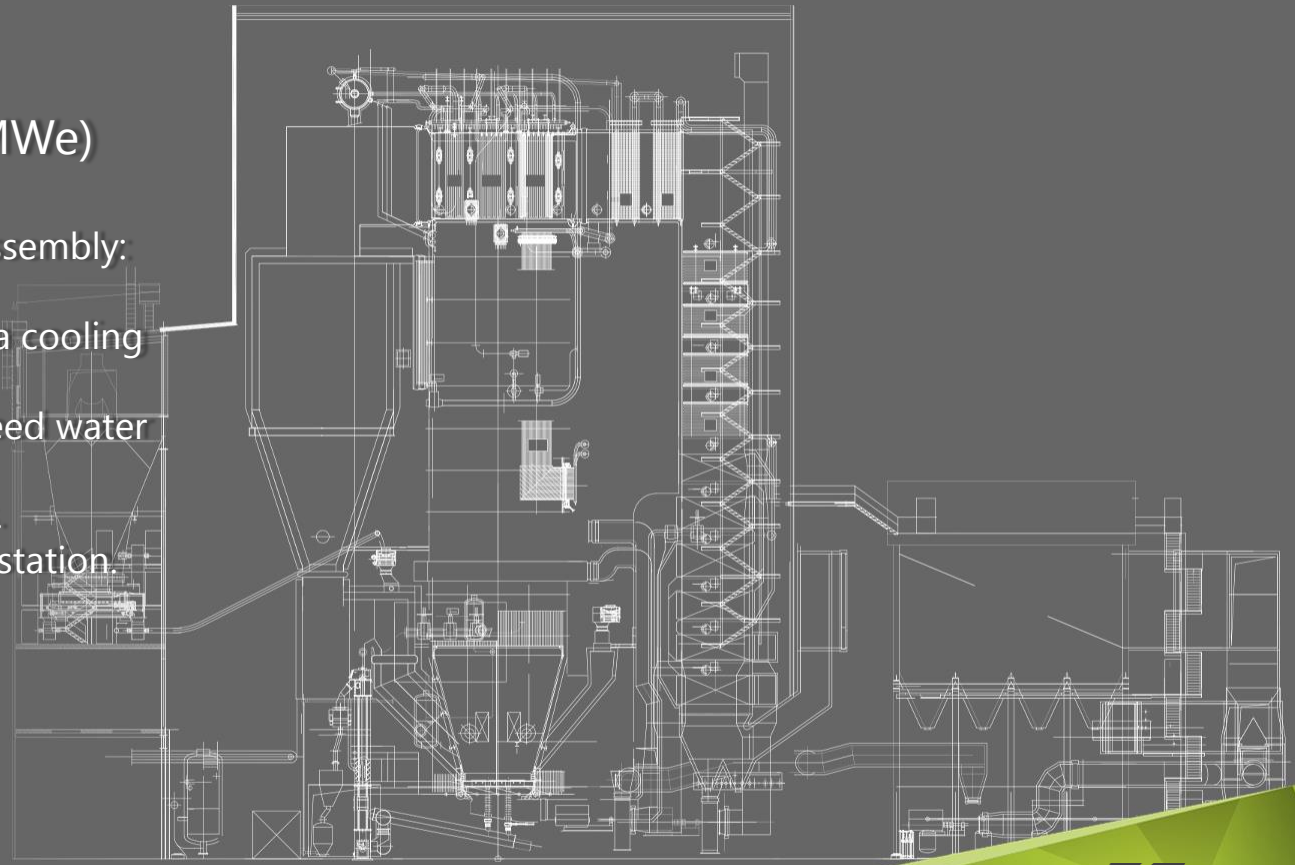
PROJECT „Jastrzebie” (75MWe)

The main scope of delivery and assembly:

1. Cooling water pipelines with a cooling tower.
2. Feed water pipelines with a feed water tank.
3. Boiler ash transport pipelines.
4. Oil pipelines with a pumping station.
5. Compressed air pipelines.
6. Condensate pipelines.
7. Natural gas pipelines.
8. Supporting structures.



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