

Our Realization POLAND

GRUPA AZOTY
Zakłady Chemiczne Police,
Assembly turbine Siemens

GRUPA AZOTY
Zakłady Chemiczne Police,
Assembly IOS

PKN ORLEN,
Ec. Włocławek,
Assembly CCGT 460 MW

PGE GiEK
El.Dolna Odra,
Modernization NOx

TAURON EL.Łagisza,
New unit 460 MW

FORTUM
EC. ZABRZE,
New unit 220 MW

EDF
EC. Wrocław, Kraków,

PGE GiEK El.Turów,
New unit 450 MW

PGE GiEK El.Turów,
Moderznization K2, K1 i
K3

Tauron NJGT
New unit 910 MW
Modernization Nox

TAURON Z.W. Tychy,
Furnance CFB

TAURON Z.W. BIELSKO
Furnance CFB

EC. Płock
New unit

ZE PAK El.Pątnów,
Modernization K1, K2

PGE GiEK El.Opole,
New unit 2x900 MW

ENEA Kozienice,
New unit 1075 MW

GDF SUEZ, El.Połaniec,
exchange pipeline

Project Zabrze – Assembly boiler CFB

Client :

- EC. Fortum Zabrze

Employer:

- EC. Fortum Zabrze

Site :

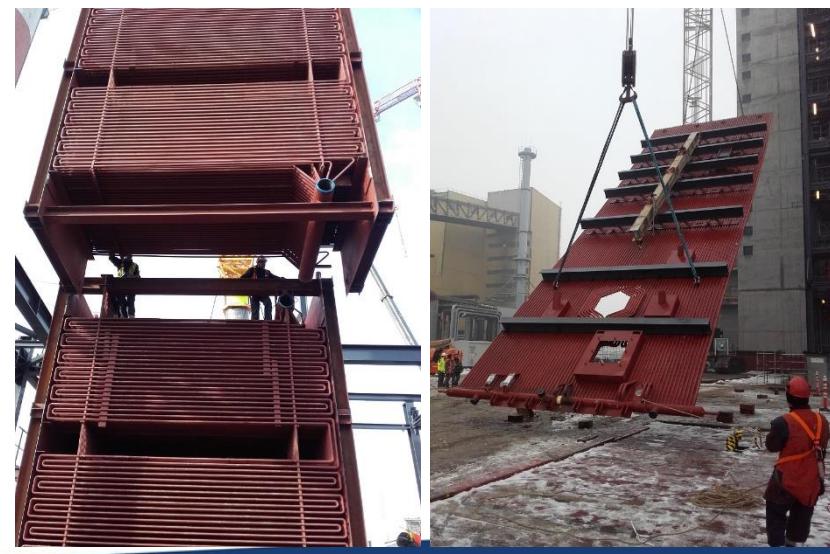
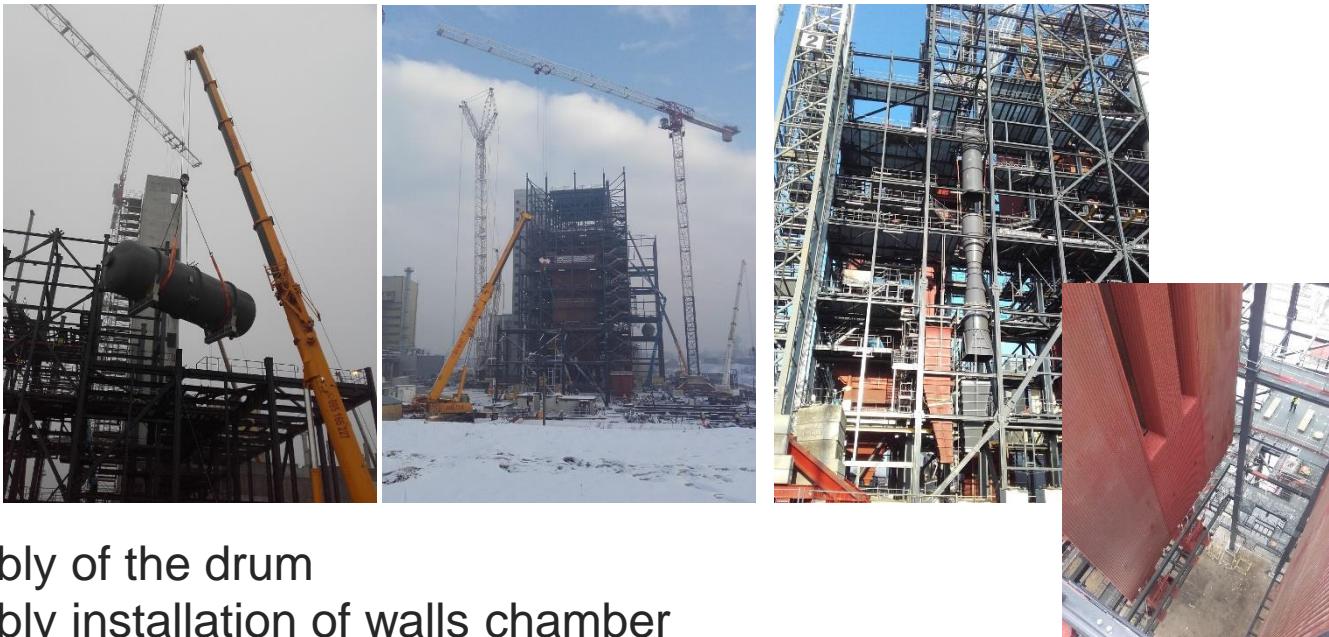
- EC. Zabrze

Work od scope:

- Transport and assembly of the drum
- Transport and assembly installation of walls chamber
- Assebmly supercheater SH i SH II
- Asssembly pipeline circulatory boilers
- Assembly primary air duct
- Assebmly secondary air duct
- Assembly of the ash hopper
- Assembly of the ash blowers
- Assembly of separators

Execution period:

- 2016 – 2018 w realizacji



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Kozienice Project – Mitsubishi Hitachi Power Systems

Client :

- ENEA WYTWARZANIE

Employer:

- MHPS

Site :

- El. Kozienice



Scope of works:

- Assembly of the 1075 MW steam turbine
- Assembly of the generator
- Heavy assembly of steam condensers
- Assembly of I&C

Execution period:

- 2015 – 2017 Completed



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Client :

- Tauron Wytwarzanie S.A.



Employer :

- E003B7 Sp. z o.o.

Site :

- Jaworzno



Scope of works :

- Delivery and installation of high-pressure pipelines for the new block 910 MW
- Transport of generator stator river to port Opole
- Placing the generator stator at the top of the main of the foundation turbine set
- Installation of rotary air preheaters LUVO
- Assembly turbo-set including its associated installations.



Execution period:

- 2016 – 2018 in implementation

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Client :

- PKN Orlen

Employer:

- SNC- Lavalin Polska



Site :

- Włocławek

Scope of works:

- Assembly of the 460 MW steam-gas turbine
- Assembly of the air intake
- Assembly of the condenser and the generator
- Assembly of high pressure and high temperature pipings



Execution period:

- 2015 completed



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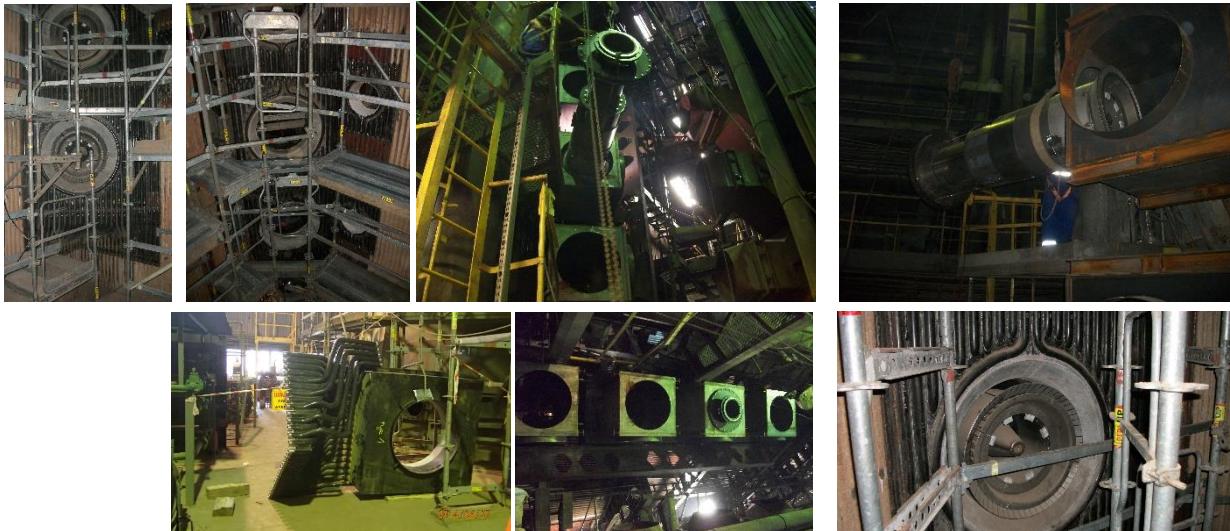
- EDF

Employer:

- Fortum Polska

Site :

- Wrocław / Kraków



Scope of works:

- Design works: corner cladding design, upper and lower OFA deflections, pressure part and brickwork, air duct design,
- Delivery of new corner screens of combustion chamber with deflections for OFA nozzles and start-up burners of burner secondary suspension parts and secondary support parts, evaporator pipe deflections for new OFA nozzles, new air ducts, thermal-insulation materials.
- Site works related to installation, dismantling and assembly of the designed and delivered parts.



Execution period:

- 30th October 2017 completed

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exchange pipeline

Foster Wheeler – Project Tychy



Client :

- Tauron Ciepło sp. z o.o.

Employer:

- Foster Wheeler Energia Polska

Site:

- ZW Tychy

Scope of works:

- Erection of the CFB boiler drum 60,8 kg/s at 122 BAR, 547 C.
- Boiler mechanical erection with appendant pipings of 1 690 000 kg weight.

Execution period:

- 2015 completed



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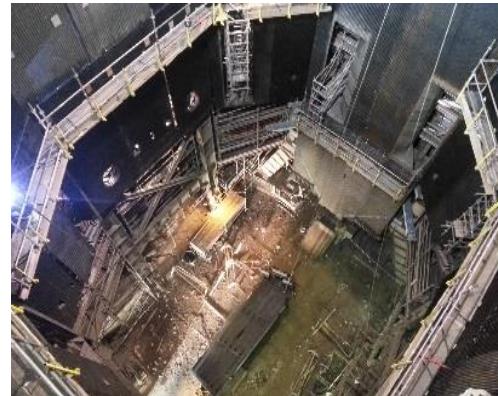
- PAK S.A.

Employer:

- Remak Rozruch

Site :

- Pałtów Power Plant



Scope of works:

- Modernization of boilers 1 and 2 with Nox reduction system installation
- Dismantling of the combustion chamber with heavy brickwork of boiler 1 and 2 and the suspension system.
- Dismantling and assembly of the construction around the boiler.
- Installation of a new pressure part in the tight wall system and modernization of central down pipes.

Execution period:

- December 2014 completed



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exchange pipeline

Client :

- GDF SUEZ Energia Polska

Employer:

- GDF SUEZ Energia Polska

Site :

- Połaniec PP

Execution period:

- 2015 completed

Scope of works:

- Prefabrication of bent elbows (realization in Production Centre in Jaworzno).
- Dismantling of pipings from boiler chambers to main steam valves.
- Assembly of new live steam piping [change of material 13 HMF for X10CrMoVNb9-1 (P91)].
- Pressure test at 199 bar and NDT test of the pipings.
- Developing of detailed design (own design of ZRE Katowice).
- Delivery of materials.
- Replacement/modernization of the mountings.
- Making adjustments of the mountings.
- Assembly of the blowing system.
- Operation of the blowing process.
- Dismantling of the blowing system and restoring the pipings to their original condition.



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GDF SUEZ, El.Połaniec,
exchange pipeline

Building of a 460 MWe unit in Tauron Wytwarzanie Łagisza Power Plant

Client:

Tauron Wytwarzanie

Employer:

Forster Wheeler

Execution period:

2008 – 2009 completed

Scope of works:

- Complete performance - delivery and assembly of HP, IP and LP pipings with suspension adjustment and fittings,
- Assembly of boiler pressure parts,
- Assembly of compressed air systems, ash blower system
- Assembly of oil systems and ignition gas system,
- Assembly of feed water turbo pump and electrical pump,
- Assembly of rotating air heater.



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exchange pipeline

Power station Opole

Client:

- PGE GiEK S.A.

Employer:

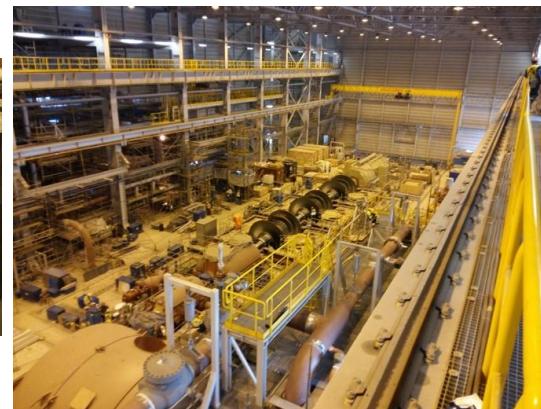
- Polimex Opole
- GE Power

Execution period:

- 2016-2019 in implementation

Scope of works:

- Installation pipeling highly resilient to the engine
- Installation of equipment and rotating machinery and condenser
- Installation of water supply pumps
- Installation of cooling water pumps
- Assembly of the ZWZ tank
- Installation of exchangers WP i NP
- Horizontal and vertical transport of 2x450t generators on blocks 5 and 6
2x 900 MW
- The continuous monitoring progress emission computer



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New unit 1075 MW

GDF SUEZ, El.Połaniec,
exchange pipeline

Modernization of the furnace system of unit 6 and 7 in Dolna Odra Power Plant

Client:

PGE GiEK S.A.

Employer:

Energotechnika -Energorozruch

Execution period:

2012 completed



Scope of works:

- Dismantling and assembly of burner parts
- Dismantling and assembly of combustion chamber insulations and screens
- Dismantling and assembly of air ducts
- Deliveries of combustion chamber screen deflections
- Deliveries and assembly of ash burner parts
- Deliveries and assembly of OFA nozzles
- Deliveries and assembly of protection air nozzles
- Deliveries and assembly of air ducts and headers.

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Police Chemical Plant

Client:

- Grupa Azoty Police

Employer:

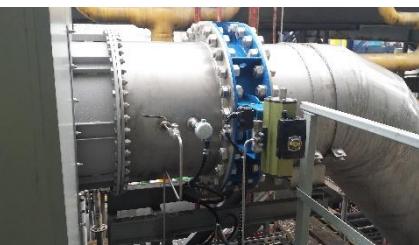
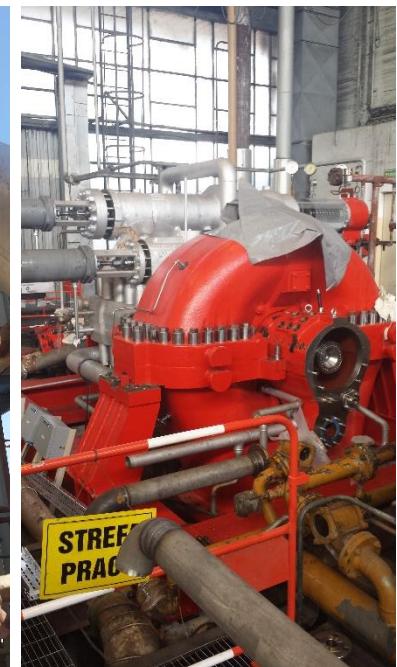
- Grupa Azoty Police

Scope of works:

- Assembly of SST 300 (SIEMENS)
- Assembly of pipings around turbine
- Assembly of 10" to 32" diameter compressed air pipings with pressure from 2 to 16 BAR
- Assembly of exhaust pipings – group P91 and P11.

Execution period:

- 2015 completed



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GDF SUEZ, El.Połaniec,
exchange pipeline

Modernization Boiler CFB-670 – Turów Power Plant

Client:

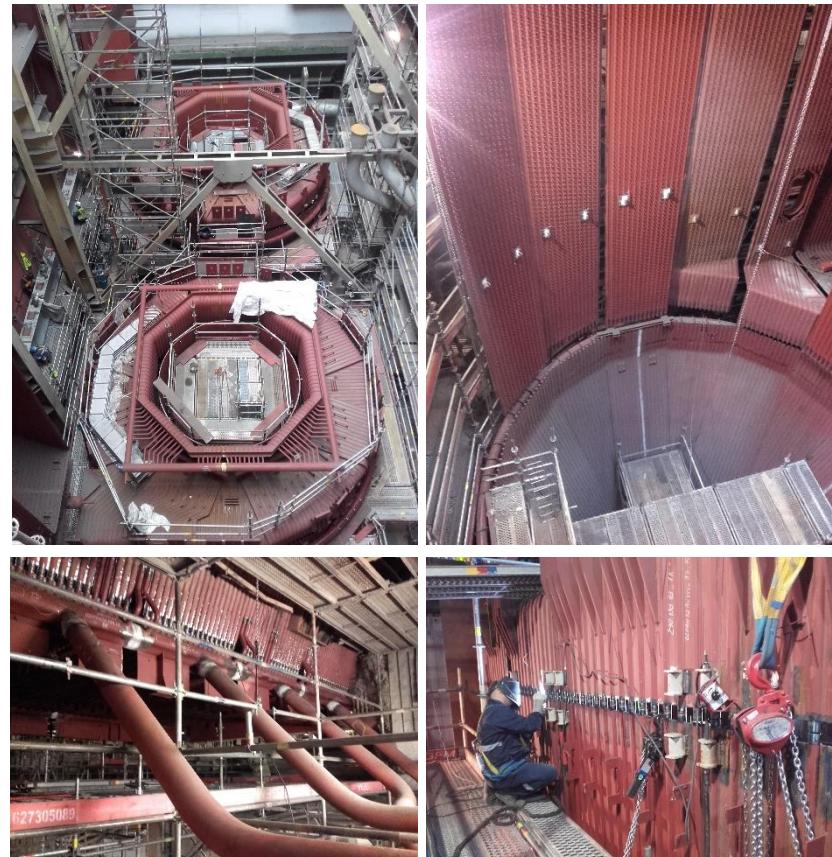
- PGE GiEK Turów

Employer:

- PGE GiEK Turów

Scope of works:

- Replacement of the rear wall of the boiler and outlet windows
- Assembly of new nozzle boiler
- Assembly steam pipeline
- Replacement of the superheater
- Assembly of steel structures and suspended bars
- Assembly of a new separator
- Assembly of the flue gas channel
- Assembly of compensators



Execution period:

- 31.12.2017 in complementation

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exchange pipeline

Police Chemical Plant- IOS

Client:

- Grupa Azoty Police

Employer:

- Grupa Azoty Police

Scope of works:

- Revitalization of boilers K-1 and pressure and dedusting parts
- Build of knots Nox
- Reconstruction of the chimney
- Warranty assurance and confirmation of goal achievement

Execution period:

- 31.10.2018 – in complementation



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Power Station Płock – 596MWe

Client:

- PKN Orlen

Employer:

- Siemens

Miejsce :

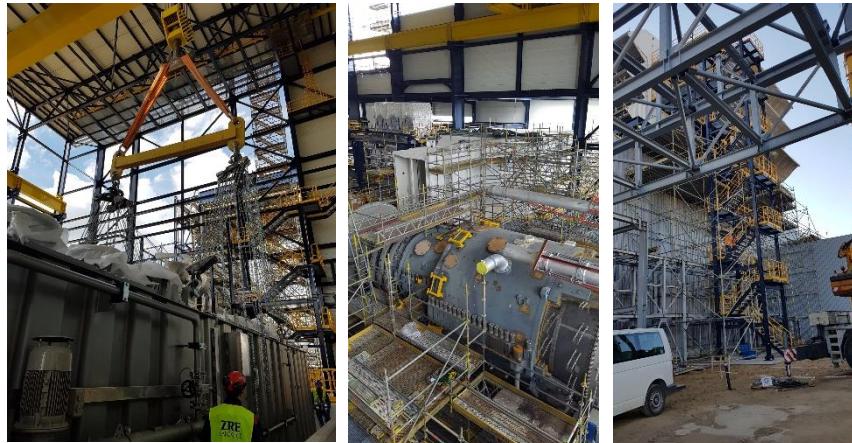
- Power Plant Płock

Czas realizacji projektu:

- 2016 -2017 in implementation

Scope of works:

- Assembly of the generator
- Assembly of a gas turbine
- Assembly of steam turbine
- Assembly installation of cooling system
- Assembly of air ducts
- Assembly of the steam-gas turbine casings



Our Realization POLAND

GRUPA AZOTY
Zakłady Chemiczne Police,
Assembly turbine Siemens

GRUPA AZOTY
Zakłady Chemiczne Police,
Assembly IOS

PKN ORLEN,
Ec. Włocławek,
Assembly CCGT 460 MW

PGE GiEK
El.Dolna Odra,
Modernization NOx

TAURON EL.Łagisza,
New unit 460 MW

FORTUM
EC. ZABRZE,
New unit 220 MW

EDF
EC. Wrocław, Kraków,

PGE GiEK El.Turów,
New unit 450 MW

PGE GiEK El.Turów,
Moderznization K2, K1 i
K3

Tauron NJGT
New unit 910 MW
Modernization Nox

TAURON Z.W. Tychy,
Furnance CFB

TAURON Z.W. BIELSKO
Furnance CFB

EC. Płock
New unit

ZE PAK El.Pątnów,
Modernization K1, K2

PGE GiEK El.Opole,
New unit 2x900 MW

ENEA Kozienice,
New unit 1075 MW

GDF SUEZ, El.Połaniec,
exchange pipeline