



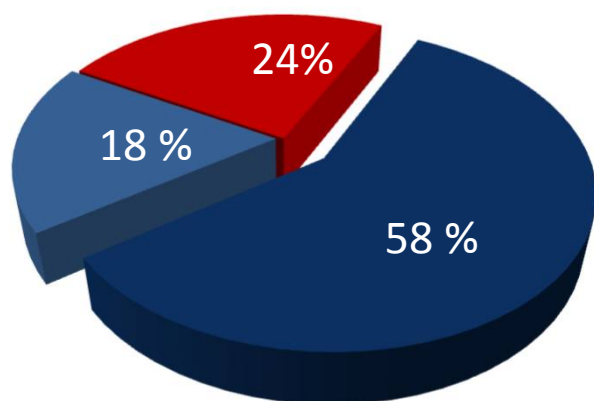
# Innovativeness and experience

## Company Profile

October 2017

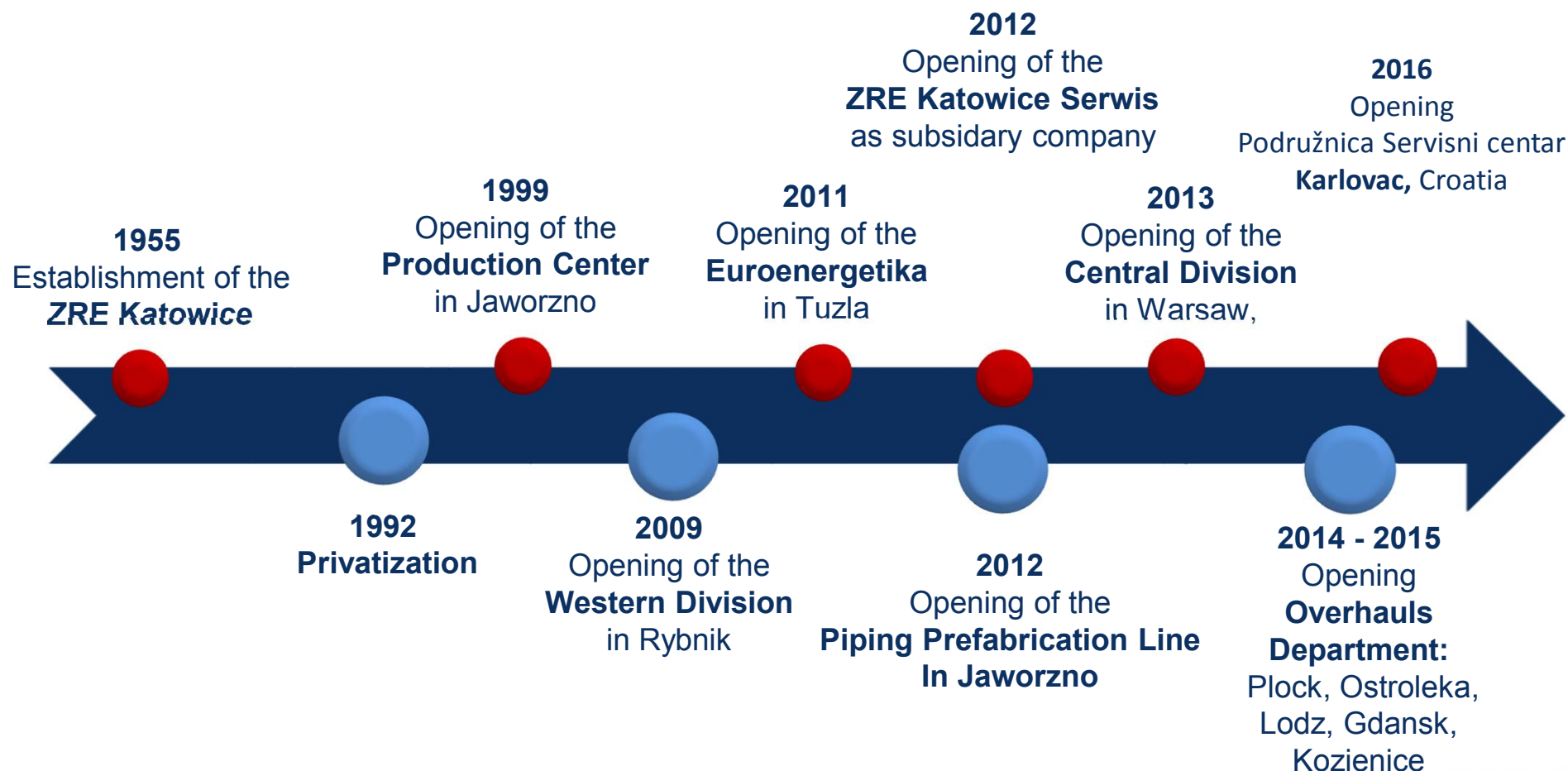
# Our core business

**WE ARE STRATEGIC  
PARTNER  
ON THE ENERGY,  
PETROCHEMICAL  
AND INDUSTRY  
MARKET**



- Assembly of the new unit
- Modernization
- Production

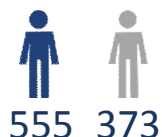
## On the market since 60 years



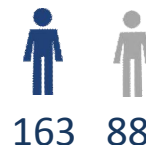


# Where are we?

- HQ: **Katowice, Poland**



- Production Centre: **Jaworzno, Poland**



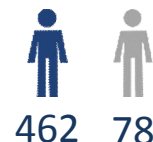
- Western Department: **Rybnik, Poland**



- Central Department: **Warszawa, Poland**

Overhauls Department:

**Ostroleka, Lodz, Kozienice, Gdansk, Plock , Polska**



- English Branch: **Winnersh, England**

- ZRE Katowice Serwis: **Katowice, Poland\***

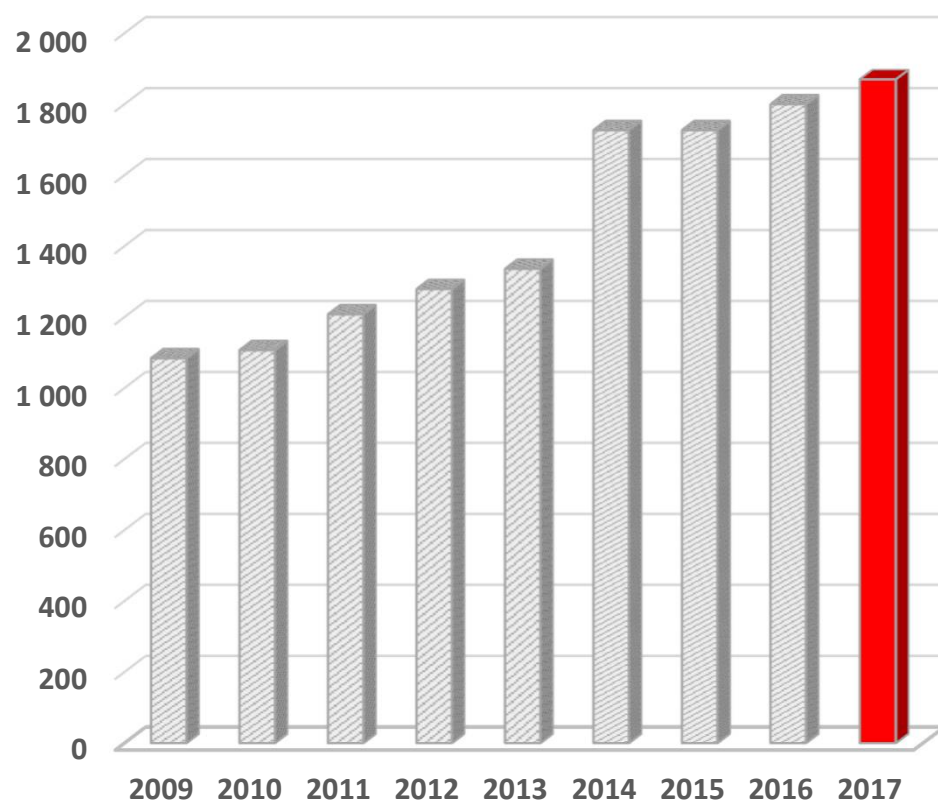
- Euroenergetika: **Tuzla, Bosnia and Hercegovina\***

- Podružnica Servisni centar **Karlovac, Croatia**



\* Subsidiary company **562** white-collar workers **1280** blue-collar workers

# Our capability



■ **More than 1 842**  
**employees including:**

- Project Managers - 8
- Designers / engineers – 65
- Health and safety – 5
- Quality Control, Welding  
supervision – 55
- Welder 215
- Welding engineer 18

# Potential of ZRE-hardware resources

## Important Projects

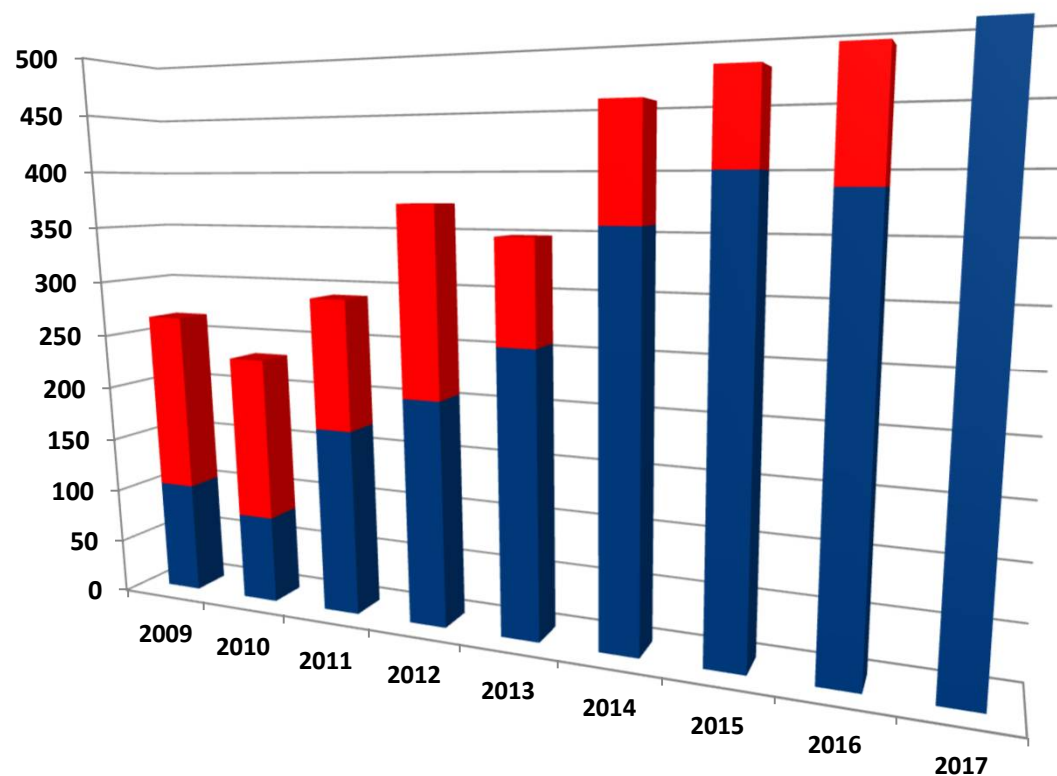


- One of Europe's most modern machine parks located in an area of 25 000 m<sup>2</sup>
- Modern CNC machines:  
Waldrich-Coburg, Lazzatti, Rafamet, Skoda, Georg-Schenck
- Automated heat-treatment furnace:  
C.H.Evensen Industriovner
- Pipe bending machines using cold method: Schwarze-Robitec
- Induction bending machine up to diameter 1 220mm: Cojafex
- We have specialists in the field of regeneration valves ( valves , gate valves , actuators )
- We Realization out repair service warranty and post warranty





**100% private Polish capital**  
**Turnover in the year 2016 – 489 Mio PLN**



■ W tym Eksport   ■ Sprzedaż

# Who we work with?

## Local market

### Main clients

- TAURON
- PGE GiEK
- PGNiG Termika
- ENERGA
- ENEA
- EDF
- GDF Suez
- CEZ
- PKN ORLEN
- GRUPA LOTOS
- GRUPA AZOTY
- FORTUM
- VEOLIA
- ALSTOM KONSTAL
- RAFAKO
- POLIMEX

## Foreign markets

### Main areas of activity

- European Union
- Balkans
- Middle East

### Main clients

- General Electric (Alstom )
- Mitsubishi – Hitachi Power System
- Valmet (Metso OY)
- AMEC FOSTER WHEELER (Foster Wheeler)
- Siemens
- Yara Technologies (Strabag Energy Technologies)
- Aalborg Energie Technik
- Leroux & Lotz Technologies
- Babcock Wilcox & Volund





# What do we do?

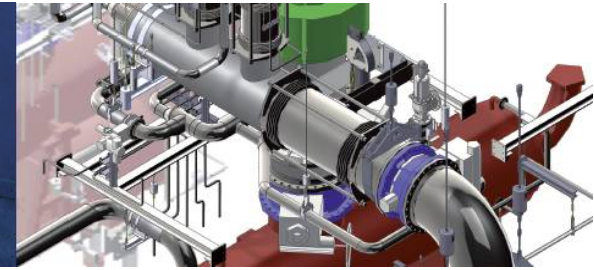
Installation of power equipment



Comprehensive piping delivery



Production and machining



Technical supervision  
and design services



Modernizations and retrofits



production and assembly of the boiler



horizontal transport and vertical



Production and assembly  
of I&C equipment



Service and diagnostics



NDT and DT testing

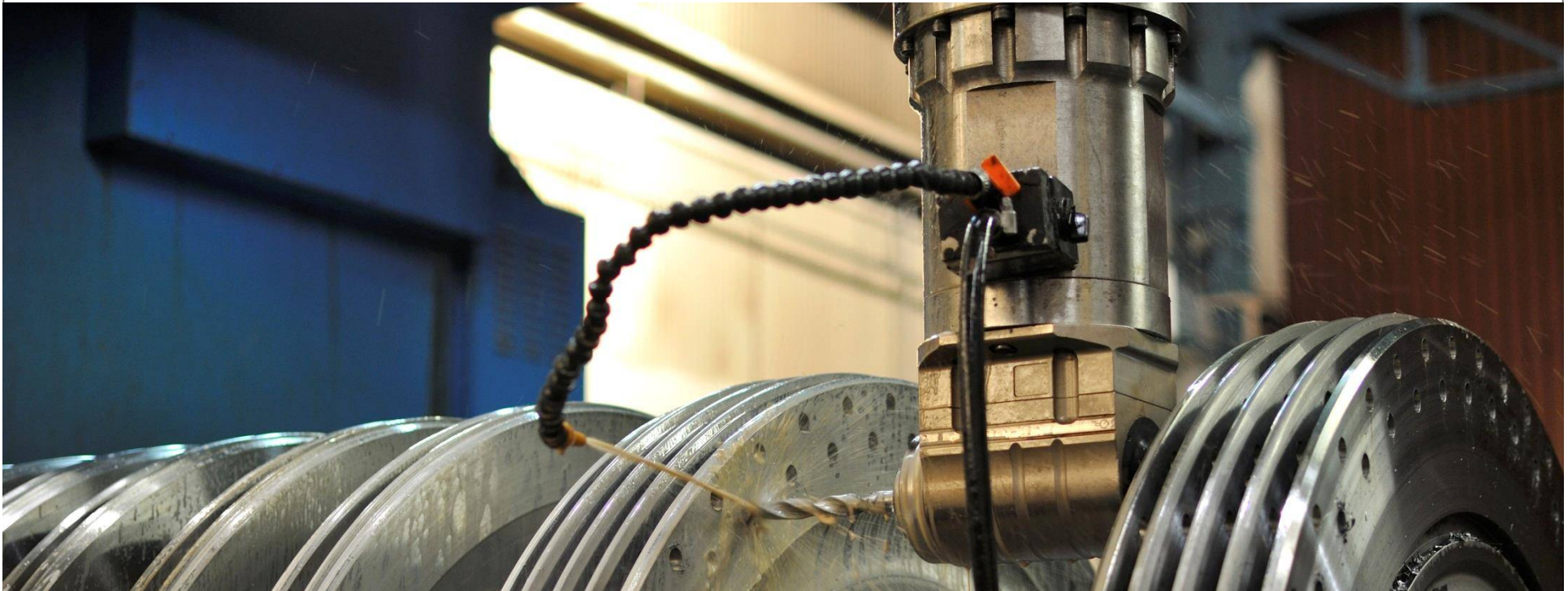


# Installation of power equipment



- Installation of gas and steam turbines
- Installation of boilers
- Comprehensive erections of boiler and turbine island

# Modernizations and retrofits



- Extending operation time
- Emissions reduction
- Comprehensive modernizations of the turbine and boiler Island I&C equipment

TURBINE



# Comprehensive piping deliveries



- Design
- Prefabrication
- Installation
- Commissioning

Prefabrication piping

Comprehensive piping delivery

# Production and machining



- Production of ready-to-assembly machine components
- Specialized and large-scale mechanical and thermal treatment
- Casting bearings

Productions and  
machining



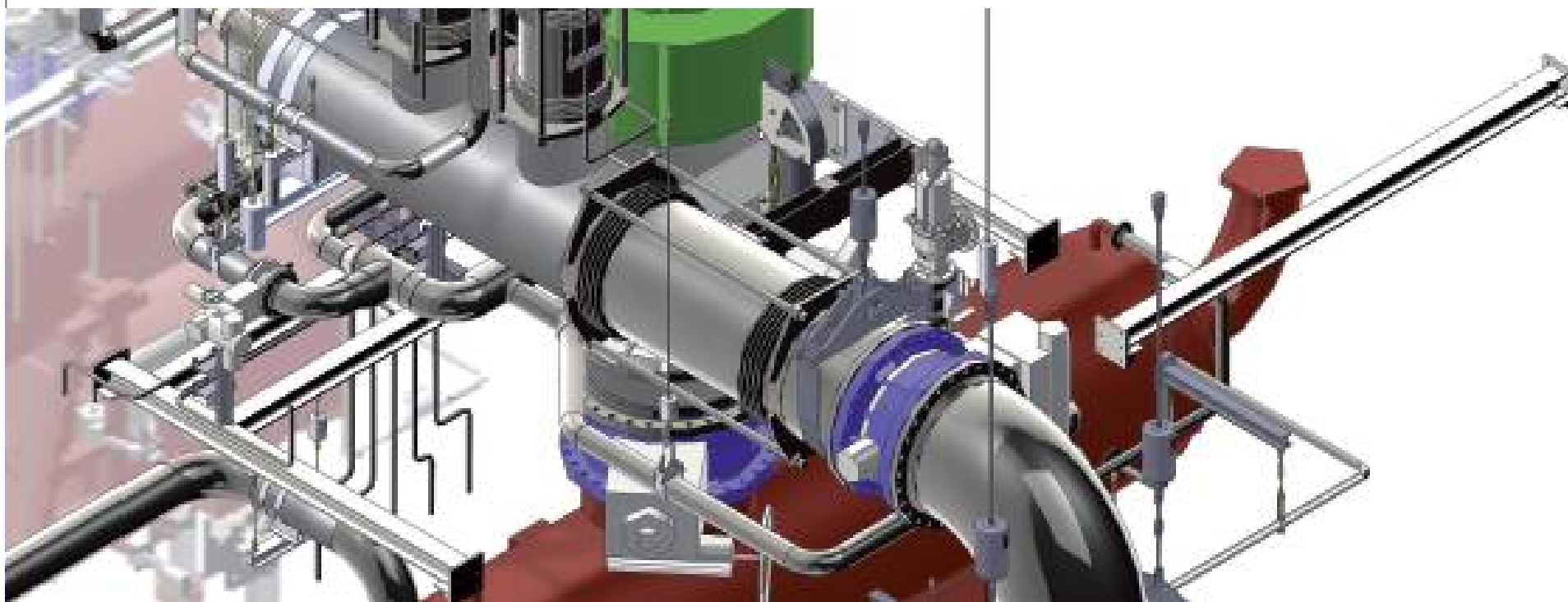
# Production and installation of I&C equipment



- Production of measuring equipment (temperature, flow)
- Comprehensive assembly and modernization of metering and control systems

I&C equipment

# Technical supervision and design services



- Design services
- Technology services
- Multi-sectoral coordination of works



# Service and diagnostics



- Evaluation of the technical condition
- Post-failure analysis
- Full diagnosis of rotating machinery

# Testing laboratory



- NDT testing
- Destruction testing
- Laser aided geometry measuring

Laboratory



# horizontal transport and vertical

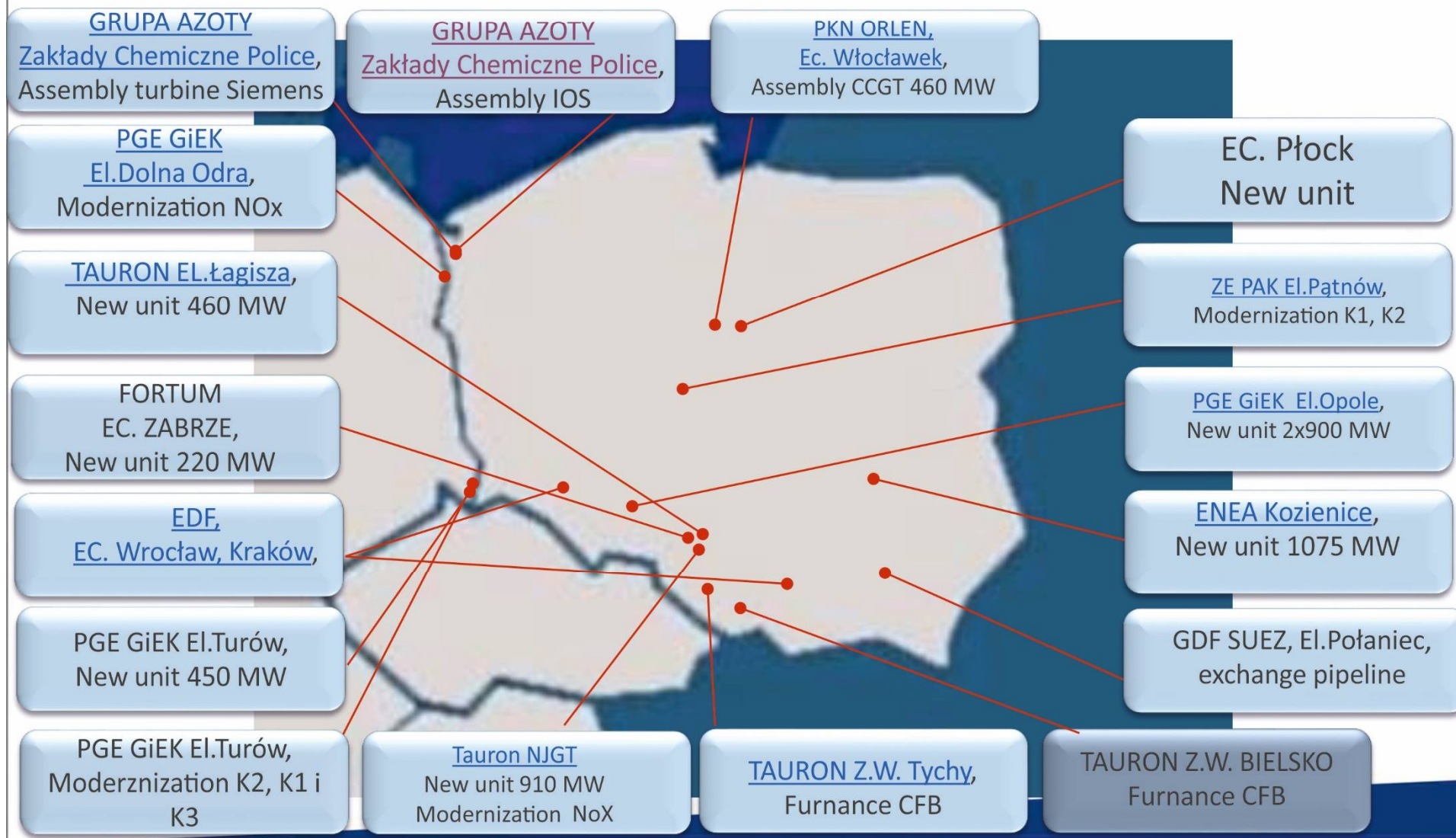


- primary Assembly Generators
- Rotating and Lift of generator stator
- Engineering, Supervision and Realization

Transport

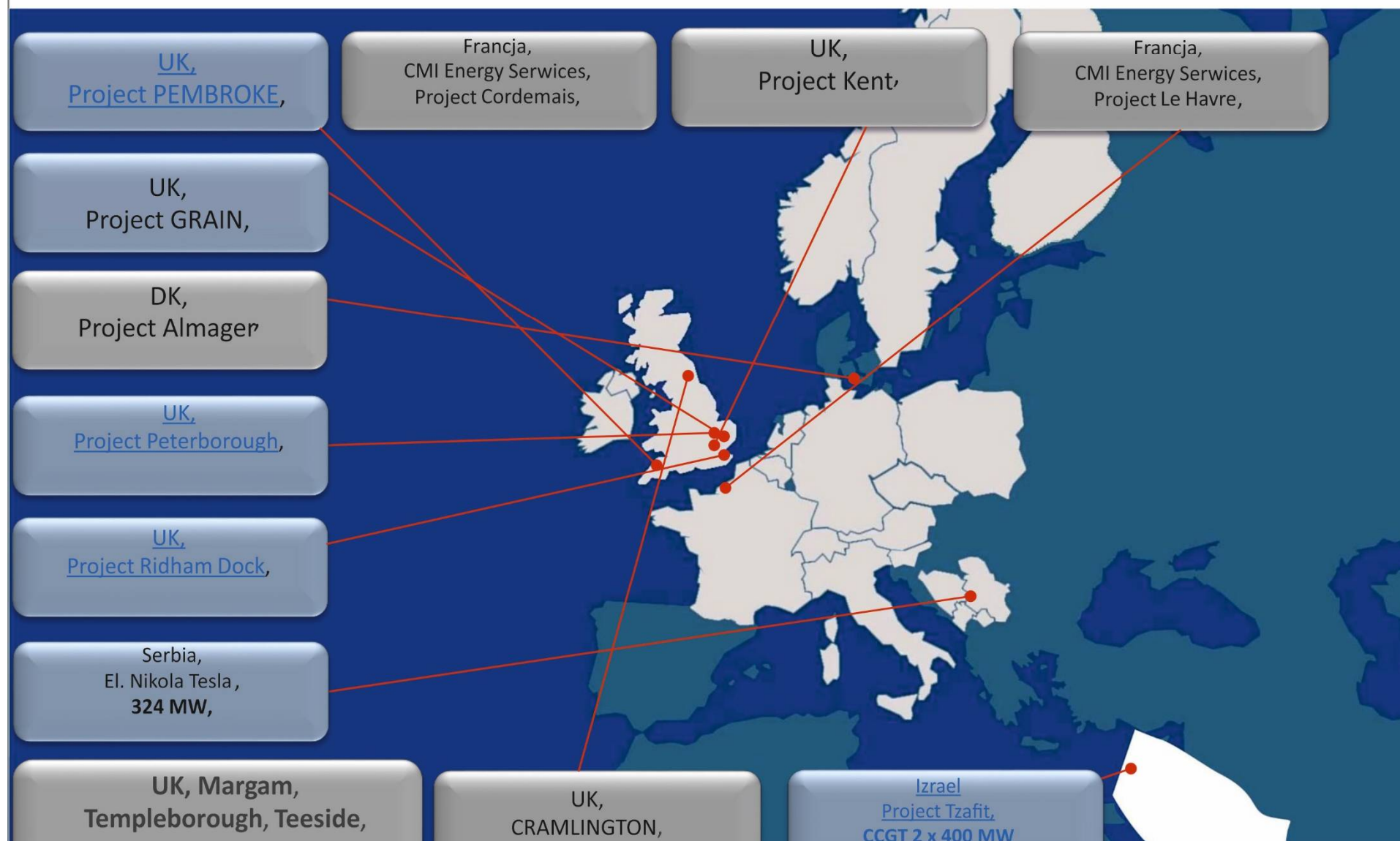
# Our Realization

## POLAND





# Our Realization Foreign



# Certificates and Decisions

1. Certificates ISO, OHSAS
2. Certificates technical EN ISO, PED
3. Decisions
4. Welding Certificates
5. Certificates and authorities
6. Quality guaranty
7. Quality guaranty PRS
8. Welding QA/QC
9. Quality and Welding technology

## Own accredited NDT and DT laboratory

Certificate of UDT Approval  
Registry No. LBU- 024/09-15





# Laboratory potential

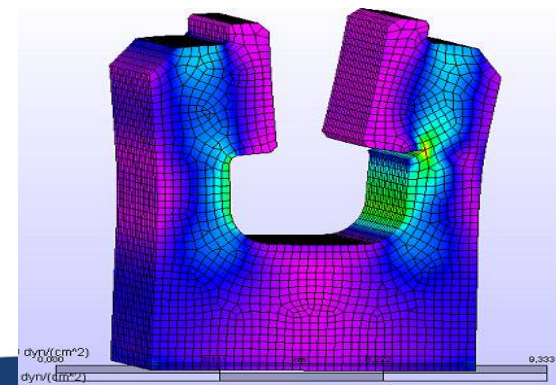
## Destructive testing:

- Bending test
- Tensile testing
- Impact testing
- Hardness measurements
- Metallographic examination



## Non-destructive testing:

- Radiographic examination
- Ultrasonic testing (PA, TOFD)
- Magnetic particle testing
- Penetration testing
- Ultrasonic thickness testing
- Hardness measurements
- Endoscopic testing, structural and other replica method
- Diagnostic tests and expertise related  
eration of power equipment



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Welcome to cooperate

