



**ZARMEN** 

General contracting of industrial investment projects  
Comprehensive maintenance services for industrial plants



# GRUPA ZARMEN

Ladies and Gentlemen,

For many years we have held a belief that it is a business group that generates true strength and potential for development. It is with great pleasure that we give you this publication presenting the ZARMEN Group.

The ZARMEN Capital Group comprises 10 business entities:

Energomontaż Zachód Wrocław Sp. z o.o., Koksownia Częstochowa Nowa Sp. z o.o., Zarmen FPA Sp. z o.o., HPH-Hutmaszprojekt Sp. z o.o., Opolrem Sp. z o.o., Rybnickie Zakłady Naprawcze Sp. z o.o., RUE Sp. z o.o. Progresja Sp. z o.o. Sp. K. and Remak S.A.

The Group's strength and potential result first of all from the diversification in the companies' scopes of business activities and, consequently, from the diversified market segments catered for by the particular entities. The Group's unquestioned advantages are its highly qualified personnel, extensive back-up facilities and machinery park, as well as know-how allowing ZARMEN to offer the execution of turn-key industrial investment projects from designing through commissioning. We employ 2600 people holding specialist qualifications and having many years of experience in various industrial sectors. The Group's companies hold numerous certificates recognized all over the world.

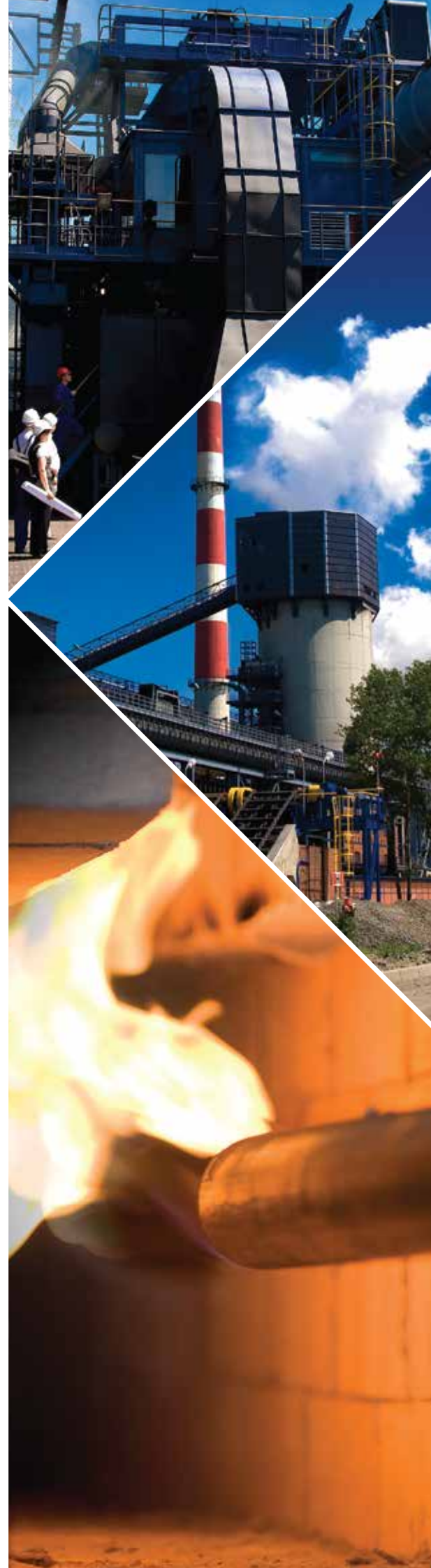
The Group performs its services for the benefit of business entities representing the power generation, coking, metallurgical, mining, railway, ship building, cement and lime production, and foundry industries.

The potential of the ZARMEN Capital Group allows us to offer our customers a comprehensive range of services meeting their requirements and expectations. We employ teams of specialists representing all operating areas and branches from designing through prefabrication and assembly to start-up and commissioning. After the completion of an investment process we provide our customers with continuous maintenance services, which constitutes a guarantee of their installations' safe and reliable operation.

The ZARMEN Group has at its disposal considerable production facilities allowing it to manufacture yearly about 6000 tons of civil engineering structures, 2000 tons of machinery structures, 3000 tons of open-die forgings, 15000 tons of industrial installations and tanks, as well as 650,000 tons of blast-furnace and foundry coke.

Our motto is a strong orientation towards the customer. We meet our customers' expectations by ensuring a high quality of manufactured products and provided services.

Management Board Zarmen Sp. z o.o.



## HISTORY

2003	Establishment of ZARMEN Sp. z o.o.
2003	Establishment of the Repair and Assembly Company in Dąbrowa Górnicza, on the premises of the "Przyjaźń" Coking Plant
2004	Establishment of the Repair and Assembly Company at the Lucchini-Warszawa Steel works (now ArcelorMittal Warszawa)
2004	Establishment of the Repair and Assembly Companies in Strzelce Opolskie and Chorzów
2005	The Repair and Assembly Company in Strzelce Opolskie takes over responsibility for all maintenance operations in the Górażdże Cement and Lime Production Plant
2007	Completion and commissioning of ZARMEN's own investment project – the Forged Products Production Plant (Forging Shop) in Zdziechowice (now Zarmen FPA Sp. z o.o.)
2008	Establishment of the Transport and Machinery Depot (the Company's logistics centre) in Zdziechowice
2009	Acquisition of 100% of shares in Koksownia Częstochowa Nowa Sp. z o.o. - Częstochowa Nowa Coking Plant - in Częstochowa from ISD Huta Częstochowa Sp. z o.o.
2009	Acquisition of 100% of shares in HPH Hutmaszprojekt Sp. z o.o. - HPH Hutmaszprojekt Design Office
2010	Acquisition of an organized part of Mostostal Energomontaż S.A., the Production Division in Żmigród, and its merger with Energomontaż Zachód Wrocław Sp. z o.o.
2010	Acquisition of shares in RUE Sp. z o.o.
2011	Acquisition of 100% of shares in Rybnickie Zakłady Naprawcze Sp. z o.o. - Rybnik Repair Company
2011	ZARMEN's own investment project - construction of a coke oven battery in Koksownia Częstochowa Nowa Sp. z o.o.
2011	Acquisition of 100% of shares in Opolrem Sp. z o.o.
2012	ZARMEN's own investment project - construction of a production plant called Steel Machinery and Structures Production Plant in Żmigród for Energomontaż Zachód Wrocław Sp. z o.o.
2014	ZARMEN's joining Progresja Sp. z o.o. Sp.K in the capacity of its limited partner
2014	Acquisition of close to 50% of shares in Remak S.A., a company listed on the Warsaw

## MAJOR COMPLETED INVESTMENT PROJECTS

Construction of the Technological Division of the Clean Carbon Technologies Research and Development Centre in Zabrze for the Institute for Chemical Processing of Coal in Zabrze

A pilot plant for the capture of CO<sub>2</sub> from flue gases for the Institute for Chemical Processing of Coal in Zabrze

Construction of a biological waste water treatment plant for ArcelorMittal Poland S.A.

Construction of Hall D in the Clean Carbon Technologies Research and Development Centre on the premises of the Barbara Experimental Coal Mine in Mikołów

Construction of the Steel Machinery and Structures Production Plant in Żmigród for Energomontaż Zachód Wrocław Sp. z o.o.

Construction and commissioning of the coke oven battery no. 1 together with the auxiliary facilities for Koksownia Częstochowa Nowa Sp. z o.o.

Construction of a pipeline installation within investment project no. 11327 called "the construction of a paraxylene (PX) production plant with a capacity of 400,000 tons per year" for PKN Orlen S.A.

Comprehensive services of a supply and assembly of pipelines including support steel structures, painting and insulation work in the LOTOS OIL S.A. Czechowice – Dziedzice Poland Petrochemical Company.

Repair of heat exchangers at the Plant Olefins, replacement of technological pipelines, along with performing pressure tests. BAZAN GROUP OIL RAFINERIES Ltd, in City Haifa Israel

Construction of the coke oven battery no. 12 in the Trzyniec Coking Plant

Construction of an installation for the capture of hydrogen sulphide from coke oven gas for ArcelorMittal Poland, Kraków Division

Construction of the rammed-system large-chamber coke oven battery no. 1 bis together with the auxiliary facilities in the Radlin Coking Plant in Radlin, for Kombinat Koksochemiczny "Zabrze" S.A. (now JSW Group)

Construction of the coke oven batteries no. 7, 8, 11 and 12 for Zakłady Koksownicze "Zdzieszowice" Sp. z o.o. (now division of ArcelorMittal Poland) together with delivery of the batteries' machinery and equipment

Overhauls of fans for Południowy Koncern Węglowy S.A.

Construction of a new rolling mill with a production capacity of about 800,000 tons of steel per year for Arcelor Huta Warszawa (now ArcelorMittal Warszawa)

Construction of a battery's side utilities, delivery of a battery's top equipment, installation of a wet coke quenching system, construction of furnace machinery (a through car and charging cars) in Koksownia Przyjaźń Sp. z o.o. in Dąbrowa Górnicza (now JSW Group)

Ceramic repairs of battery chambers, replacement of exhaust pipes in coke oven batteries, overhaul of coke oven gas suction nozzles for Koksownia Przyjaźń Sp. z o.o. in Dąbrowa Górnicza (now JSW Group)

Repairs of furnaces as well as metallurgical, power generation and electrical equipment in Huta L.W. Sp. z o.o. (now ArcelorMittal Warszawa)



## EXPERIENCE, PROFESSIONALISM AND COMPREHENSIVENESS

The company ZARMEN was established in 2003. Since the very beginning of its existence it has concentrated on the provision of construction, assembly, and maintenance services in the industrial sector.

As a general contractor, ZARMEN carries out industrial investment projects, ensuring the construction of industrial facilities on a turn-key basis.





Addressed to business entities in the metallurgical, coke production, mining, cement and lime production industries, the Company's offer includes the following:

- ◆ construction of coke oven batteries,
- ◆ manufacture of steam generators, manufacture of boilers generating steam and other vapours,
- ◆ high pressure pipe systems and other pipe systems for boilers and steam generators,
- ◆ provision of services in the area of the installation, repair and maintenance of engines, turbines, steam generators, general purpose machinery, and machine tools,
- ◆ provision of services in the area of the installation, repair and maintenance of mining and construction machinery,
- ◆ provision of services in the area of the installation, repair, maintenance and rewinding of electric motors, generators and transformers,
- ◆ construction works, inclusive of the erection of steel structures.

The Company's employees hold building sector licences, electrical sector licences, including those of the "E" category for works conducted on power generation facilities and equipment, and the "D" category for supervision of works on electrical and power generation facilities, as well as welding licences.

## CERTIFICATES

- ◆ The Integrated Business Management System based on the ISO 9001, ISO 14001 and ISO 18001 standards
- ◆ The Qualification Certificate (The Welding Certification Commission for Industrial Plants, the Welding Institute in Gliwice) for the performance of welding works in accordance with the PN-M-69008 standard and the production of civil engineering steel structures in accordance with the PN-B-06200 standard
- ◆ The Technical Inspection Office's Certificate of authorization for the manufacture of mobile platforms, overhead cranes, hoists, hoisting winches, cranes, steam boilers, water boilers, pressure tanks, atmospheric tanks, and low pressure tanks for poisonous or caustic materials
- ◆ STALKO's authorization for the performance of repairs, inspections and installation of fans, schedules WPK, WOK and WPR.

## AWARDS

- ◆ 2009 Forbes Diamond in the category of companies with revenues of over PLN 200m (3rd place in Śląskie Province and 32nd place in Poland)
- ◆ The Golden Laurels of Skills and Competencies (2006)
- ◆ The Business Gazelle in the "Puls Biznesu" daily's ranking of dynamically growing companies (2007)
- ◆ The Silver Laurels for President of the Company's Management Board





WITH TRADITIONS INTO  
THE MODERN TIMES

With over 40 years of experience, Energomontaż Zachód Wrocław is one of Poland's leading companies in the area of the construction and modernization of facilities for the power generation industry. We own a steel machinery and structures production plant and an extensive machinery park.

We manufacture and erect complete power generation and industrial facilities.





Energomontaż Zachód Wrocław has four divisions located in Katowice, Żmigród, Zdieszowice and Wrocław. The company employs over 400 specialists.

This year in Żmigród it has opened a new manufacturing facility called the Steel Machinery and Structures Production Plant. Its products are sold on the domestic market and those of the European Union. Covering the area of 11000 m<sup>2</sup>, the facilities allow the production of structures and machinery with a weight of up to 25 tons and a length of up to 25 m.

#### CHECK OUR POSSIBILITIES!

#### The company's basic production range:

- ♦ large-size tanks, silos and bunkers,
- ♦ flue gas ducts and pipelines,
- ♦ double-wall steel chimneys,
- ♦ bag filters,
- ♦ equipment for the power generation and mining industries,
- ♦ crusher housings,
- ♦ steam boilers,
- ♦ construction of buildings, industrial halls and warehouses,
- ♦ bridge structures, trestles, and working platforms,
- ♦ structures for hosting towers, masts, and chimneys,

- ♦ equipment based on individual designs.

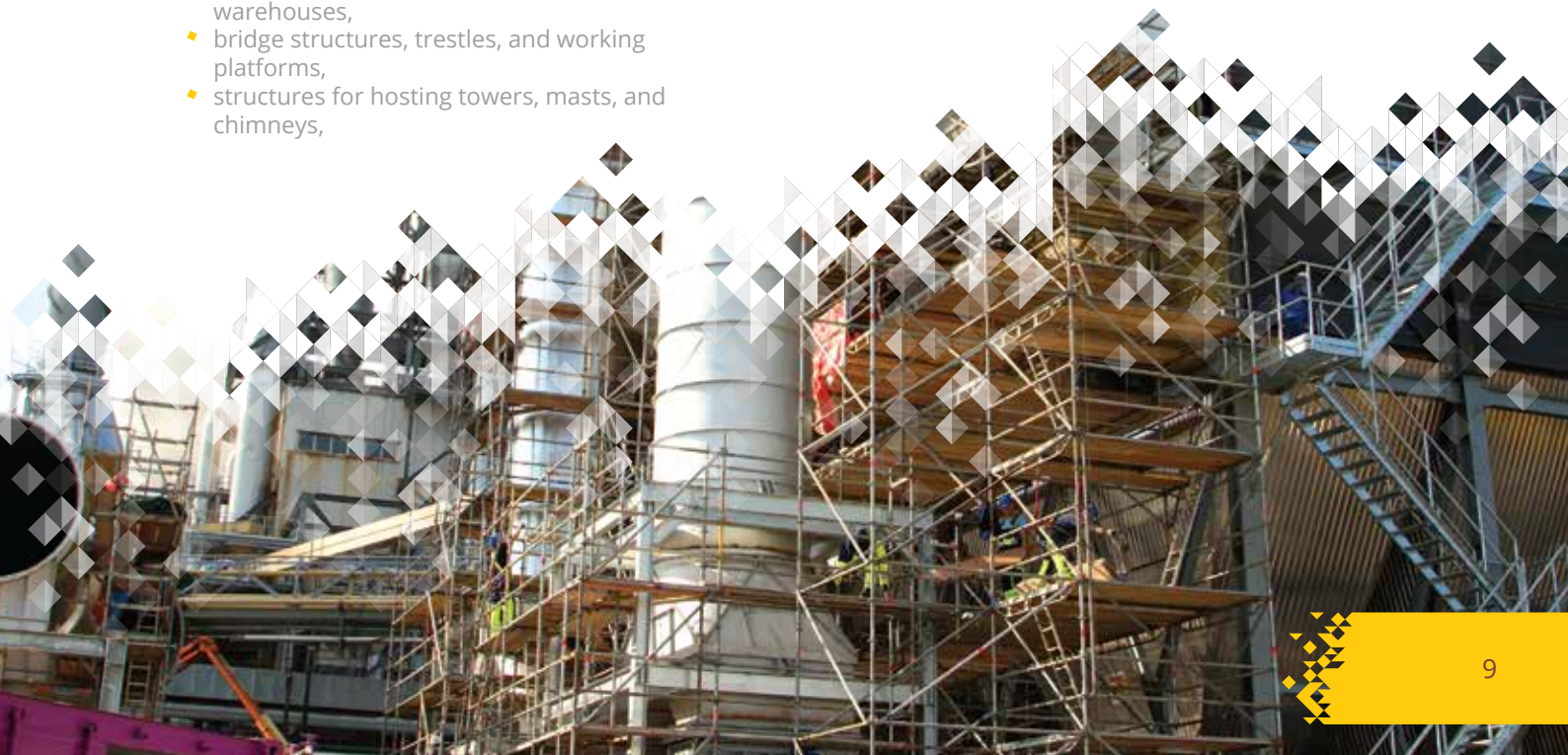
#### Selected items of the plant's production equipment:

- ♦ metal sheet rollers,
- ♦ CNC 3000x 8000 cutting machine,
- ♦ CNC 300 T press brake,
- ♦ PERSON press brake,
- ♦ horizontal and vertical hydraulic press,
- ♦ column-and-boom manipulator for welding operations,
- ♦ milling machine, boring machine,
- ♦ turning lathes,
- ♦ band sawing machines,
- ♦ metal sheet guillotine.

The company's Katowice Division provides services mainly to the power generation sector, cooperating with almost all power plants located in southern Poland.

The company's Zdieszowice Division owns an extensive park of construction and transport machinery, including:

- ♦ mobile cranes with a lifting capacity of up to 200 tons,
- ♦ truck tractors and trucks for transport of oversized cargo,
- ♦ tracked and wheeled excavators, vibration hammers and other equipment used in demolition and foundation laying works, steel structure erection operations, and specialist drilling operations.



## THE INTELLIGENT COKING PLANT

Koksownia Częstochowa Nowa - the Częstochowa Nowa Coking Plant - is a renowned manufacturer of blast furnace coke on the European market. The company is also developing its segment of foundry coke manufacture.





Located in the city of Częstochowa, the plant covers an area of almost 50 hectares. In 2011 the plant completed its own investment project of constructing a rammed-system coke oven battery. The plant's yearly production capacity amounts to 650,000 tons of coke sold on both the domestic and international markets.

Thanks to the implementation of the ISO Integrated Management System and its employees with many years of experience, the Coking Plant ensures high product quality and the effective use of available resources. Environmental protection is very important for the Plant. The implementation of the ISO 14001 environmental certificate allows the Coking Plant to minimize the impact of its operations on the natural environment. The investment's inclusion in the "Intelligent Coking Plant" project is to help in the establishment of one of the world's state-of-the-art plants specializing in the production and delivery of foundry and metallurgical coke.

In 2012 the Coking Plant started to operate a new coke oven battery. The general contractor for the building of this facility was ZARMEN. The project was completed successfully in 2011. The battery has 57 chambers and its auxiliary facilities include a new-generation quenching tower with a wet dust collection system, fully automated furnace machinery, a hydro-injection residual gas exhaust system, and other modern equipment used in the production process.

#### CHECK OUR POSSIBILITIES!

The Plant's commercial offer includes the following:

- ♦ foundry coke,
- ♦ blast furnace coke,
- ♦ industrial and heating coke.

Implemented management systems:

- ♦ ISO 9001:2009,
- ♦ ISO 14001:2005,
- ♦ ISO 18001:2004.



## FORGED PRODUCTS ACTIVITY

Zarmen FPA Sp. z o.o. is a forge proud of its rich traditions, experience and considerable achievements. It is an innovative enterprise which is not only an attractive employer but also a team of dedicated people building together the company's value.





### CHECK OUR POSSIBILITIES!

The machinery and equipment used in the technological process include, among others, the following:

- ♦ a 1250 MG press with a 5 MG manipulator,
- ♦ a 3000 MG press with 10 MG and 30 MG manipulators,
- ♦ heating furnaces with a maximum capacity of 120 MG,
- ♦ heat-treating furnaces with a maximum capacity of 80 MG,
- ♦ a polymeric quenching tank,
- ♦ machine tools for preliminary mechanical working,
- ♦ laboratory equipment (a ZWICK testing machine, a ZWICK drop-weight impact testing machine, a NIKON metallographic microscope, Spectrotest and Spectromaxx spectrometers made by Spectro).

Zarmen FPA Sp. z o.o. continues the traditions of the former HLW Forge in Warsaw. The company's state-of-the-art technology, experienced workforce and the PN-EN ISO 9001:2009 Quality Management System guarantee the manufacture of products characterized by the highest quality.

The company's major business is the manufacture of open-die forgings such as (round, square and flat) rods of various diameters, shafts, rings, sleeves, discs, etc. Their weight ranges from 200 kg to 25 Mg.

Forgings are made of various types of steel (carbon steel, alloy steel, heat-treatable steel, carburizing steel, bearing steel, hot-work and cold-work tool steel); subsequently they can undergo heat treatment, remain in the raw condition (without mechanical working) or be worked mechanically.

### Certification:

- ♦ LRS,
- ♦ GL,
- ♦ DNV,
- ♦ BV,
- ♦ ABS,
- ♦ TUV.

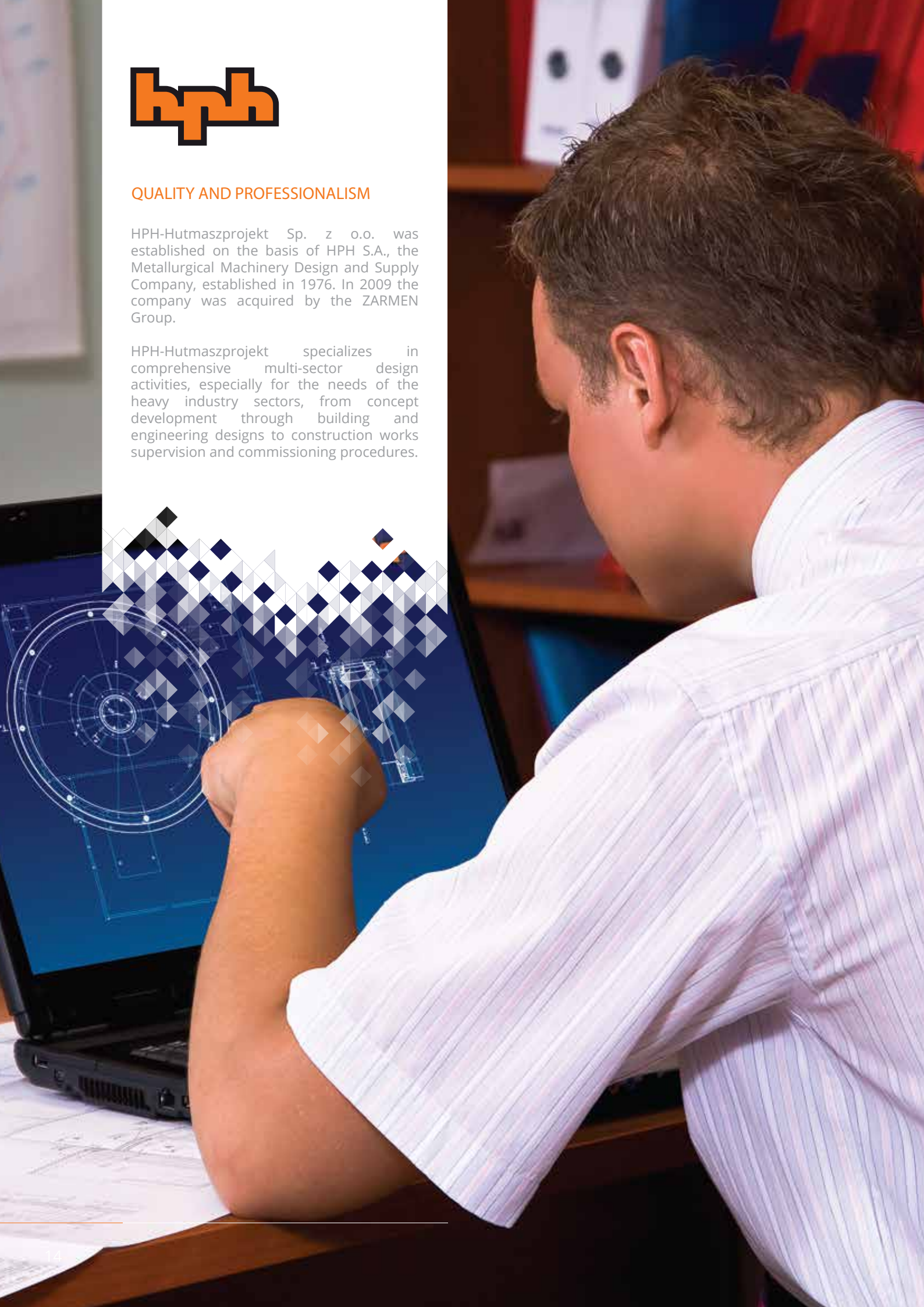




## QUALITY AND PROFESSIONALISM

HPH-Hutmaszprojekt Sp. z o.o. was established on the basis of HPH S.A., the Metallurgical Machinery Design and Supply Company, established in 1976. In 2009 the company was acquired by the ZARMEN Group.

HPH-Hutmaszprojekt specializes in comprehensive multi-sector design activities, especially for the needs of the heavy industry sectors, from concept development through building and engineering designs to construction works supervision and commissioning procedures.





HPH-Hutmaszprojekt provides services in the fields of multi-sector design activities at each stage of project development, machinery selection and delivery, and construction works performance for the heavy industry, including the metallurgical, coking, and related branches, as well as the power generation and environmental protection sectors.

#### CHECK OUR POSSIBILITIES!

The following investment projects carried out by the company are of particular significance:

##### Metallurgical industry:

- ◆ delivery of production lines for the continuous casting and rolling of aluminium wire for Egyptalum in Egypt, and provision of permanent technical and engineering maintenance services,
- ◆ design documentation for metal plate flatteners for Danieli Corporation,
- ◆ a design of an SBQ billet loading system for ArcelorMittal,
- ◆ a design of a thermos truck container for the transport of hot ingots for FPA Zarmen Sp. z o.o..

##### Coking industry:

- ◆ delivery of quenching cars to ZK Zdzieszowice Sp. z o.o., WZK Victoria S.A. in Wałbrzych and KK Zabrze S.A. (JSW Group),
- ◆ manufacture and installation of an exhaust hood for a through car for WZK Victoria S.A. in

Wałbrzych,

- ◆ preparation of a technical documentation of a ceiling car for Concord-Promprojekt,
- ◆ delivery of insulation for coke oven battery valves,
- ◆ preparation of a technical documentation of machinery and auxiliary equipment for the coke oven battery no. 1 in Koksownia Częstochowa Nowa Sp. z o.o.,
- ◆ permanent provision of engineering and design services for Koksownia Częstochowa Nowa Sp. z o.o.,
- ◆ preparation of a design of an electric locomotive for the Trzyniec Steelworks.

##### Others:

- ◆ a design of a carbon electrode technological line and a design of the modernization of a vibratory moulding machine for SGL Carbon Polska S.A. in Racibórz,
- ◆ delivery of a wagon tippel for ArcelorMittal Poland,
- ◆ modernization of the rail car movers in Koksownia Przyjaźń S.A.,
- ◆ comprehensive execution of an investment project in the area of rail car logistics for "Energia" Elektrownia Ostrołęka S.A.,
- ◆ preparation of a complete technical documentation of a chamber-membrane filtration press,
- ◆ participation in an undertaking called "The Construction of the Clean Carbon Technologies" in Zabrze,
- ◆ a design of a technological process unit for the production of aggregate for ZG "Janina" in Libiąż,
- ◆ a design of an office and amenities building in a production and assembly hall in Żmigród for Energomontaż Zachód Wrocław Sp. z o.o..

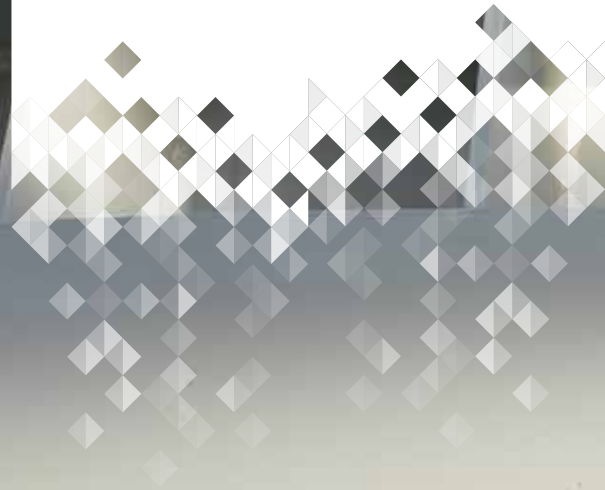




## A CERTIFIED QUALITY OF SERVICES

The history of OPOLREM goes back to the beginnings of the GóraŹdŹe Cement Plant – the enterprise was being established in parallel to the construction of the cement plant.

In 1975 it started to conduct business activities as Przedsiębiorstwo Remontowo-Budowlane Przemysłu Cementowego i Wapienniczego "PREBUT" – "PREBUT" Cement and Lime Production Industry, Repair and Construction Works Enterprise. In 1995 it was transformed into Przedsiębiorstwo Technicznej Obsługi Przemysłu OPOLREM Sp. z o.o. - OPOLREM Technical Industrial Maintenance Services - with its registered office in Chorula.





Since 2011 OPOLREM's sole shareholder has been ZARMEN Sp. z o.o. with its registered office in Warsaw. The company has 2 divisions located in Chorula and Strzelce Opolskie. It employs 90 people.

#### CHECK OUR POSSIBILITIES!

The company's range of business activities includes the following:

- ♦ production of steel building structures with a weight of up to 12 t,
- ♦ production of machine structures - machinery, equipment and technological lines,
- ♦ production of equipment for cement plants, lime plants and coking plants (coke sieves, compressors, pumps, valves, belt conveyors),
- ♦ provision of industrial services in the area of machining by means of conventional and specialist machine tools (turning, milling, boring,

drilling, chiselling, etc.) as well as machining of metal sheets and plates (cutting, bending, welding, pressing, flattening),

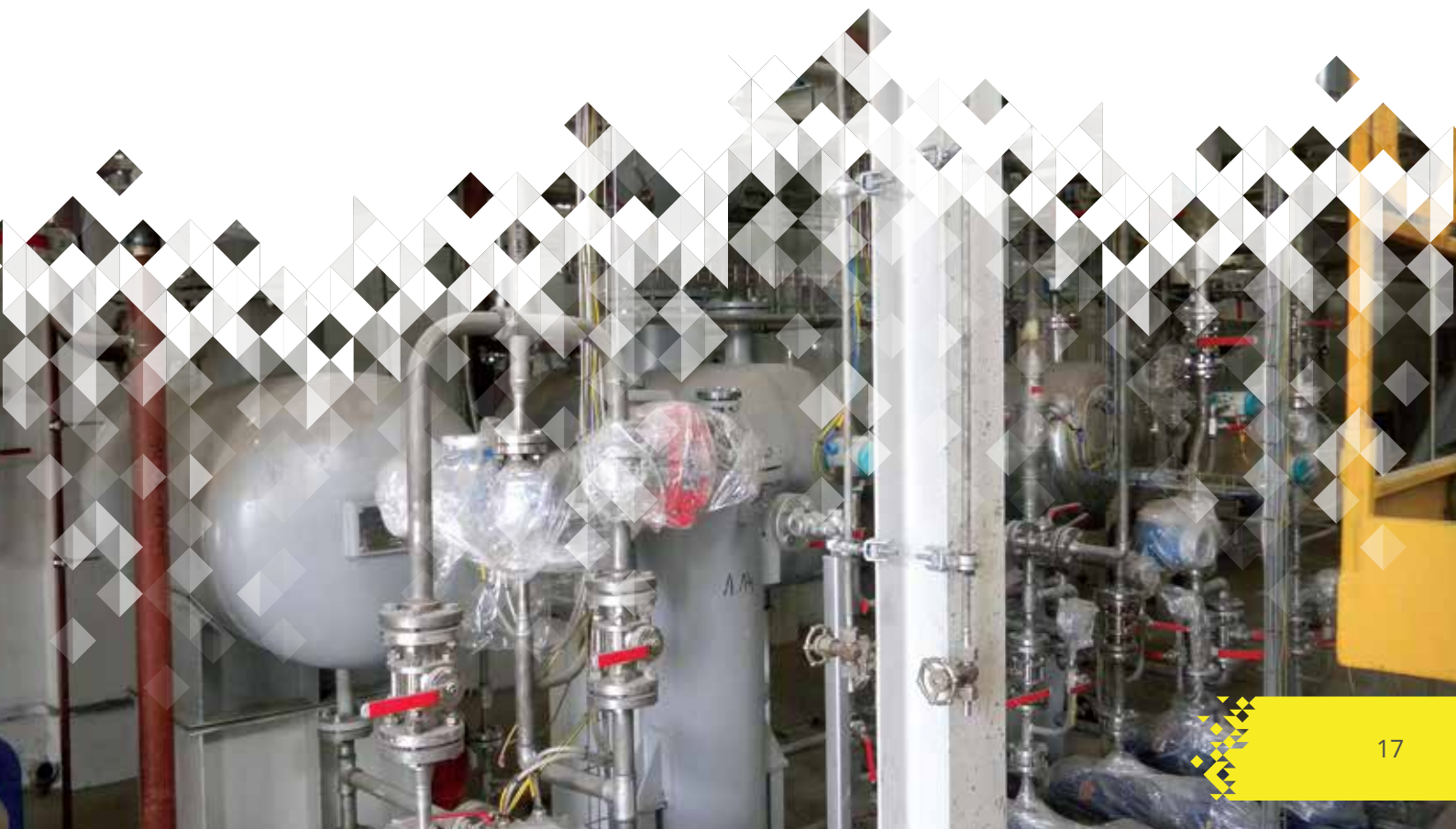
- ♦ designing of equipment and parts in CAD.

#### Annual production capacities:

1200 t of building structures, 500 t of machine structures, 500 t of industrial installations, 4 000 t of construction site assembly operations.

#### Machine tools capacities:

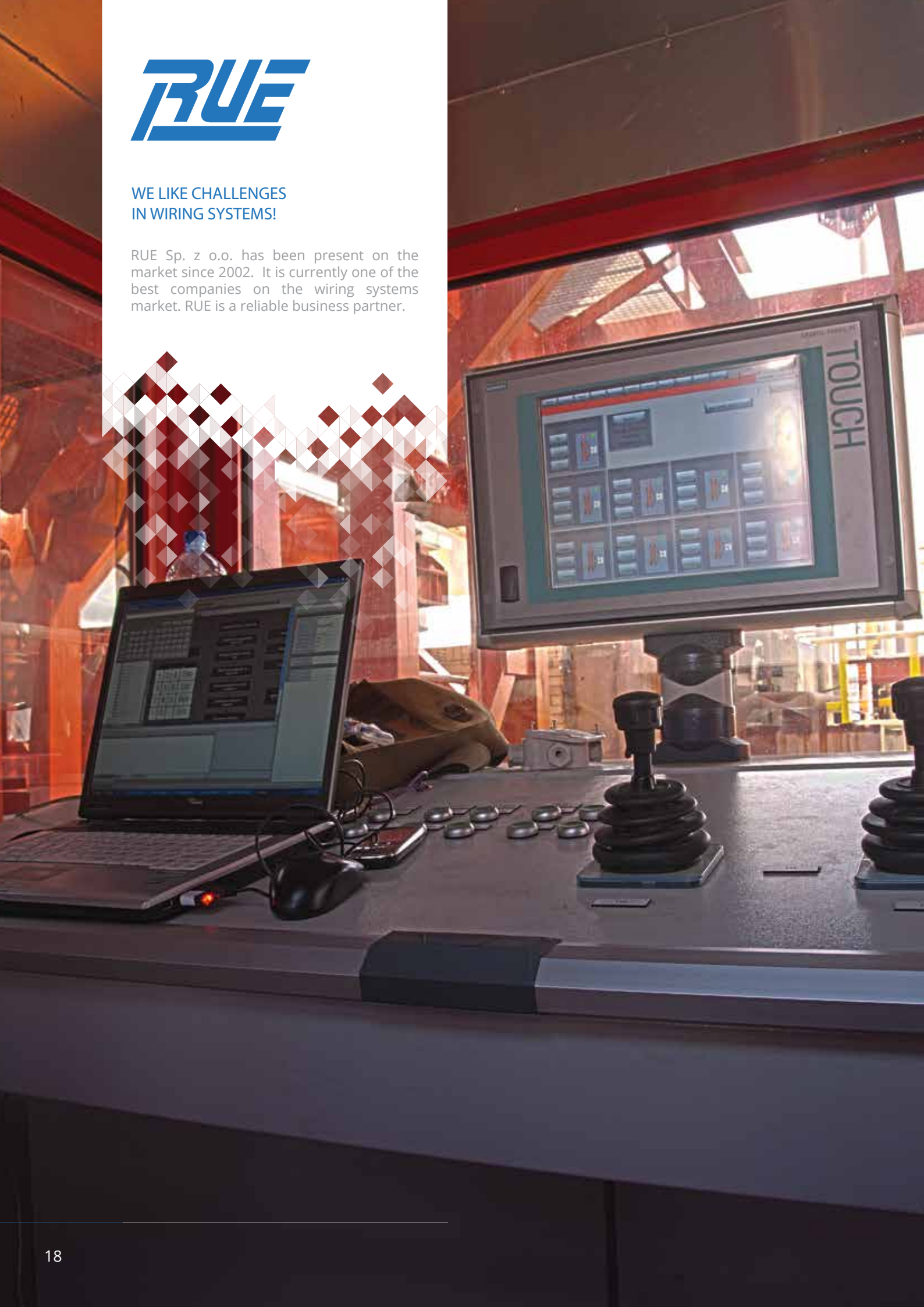
- ♦ turning: claw, max.  $\varnothing$  1000 x 7000 mm; grip, max.  $\varnothing$  1300 x 1000 mm,
- ♦ boring: table's working area: 1600 x 1800 mm, max. weight of element: 4000 kg,
- ♦ chiselling: max. knife travel: 500 mm,
- ♦ machining of metal sheets and plates: cutting and rolling of sheets with a thickness of up to 20 mm, bending of sheets with a force of up to 160 t (vertical press) and 630 t (horizontal press),
- ♦ others: drilling of holes with a diameter of up to 75 mm, bevelling, plasma and oxygen cutting, welding - methods 135, 136, 311, 141 and 111.





**WE LIKE CHALLENGES  
IN WIRING SYSTEMS!**

RUE Sp. z o.o. has been present on the market since 2002. It is currently one of the best companies on the wiring systems market. RUE is a reliable business partner.





In 2010 the company joined the ZARMEN Group after many years of fruitful cooperation and successfully completed projects. RUE employs a team of dedicated and experienced professionals holding all required qualifications and certificates, which allows the company to carry out the most complex projects and guarantee its customers a trouble-free operation of delivered facilities.

#### CHECK OUR POSSIBILITIES!

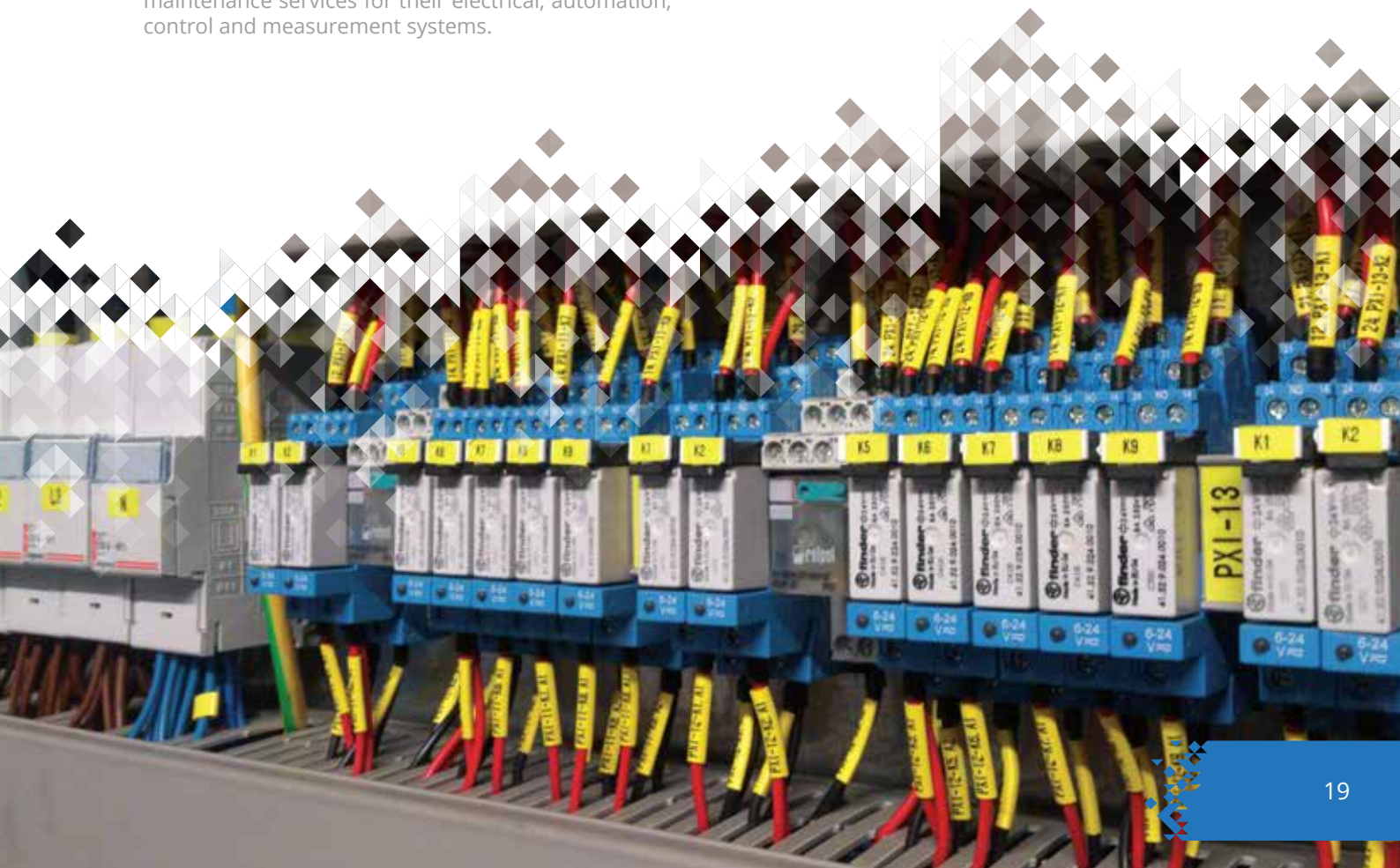
RUE Sp. z o.o. performs comprehensive assembly and repair works on electrical and power generation equipment, control systems, test and measurement equipment as well as other specialist and general technical works for the power generation, metallurgical, coking, mining and chemical industries. We also provide our customers with comprehensive maintenance services for their electrical, automation, control and measurement systems.

#### Range of activities:

- ◆ cable routes,
- ◆ repair and assembly of overhead lines and cable lines,
- ◆ modernization and assembly of substations, transformer stations, and wiring systems,
- ◆ lighting systems,
- ◆ measurements of insulation, fire protection and lightning protection,
- ◆ comprehensive delivery of MV/HV substations and switching stations,
- ◆ designing of wiring systems as well as control and measurement equipment.

#### Implemented management systems:

- ◆ the PN-N 18001:2004 occupational health and safety management system,
- ◆ the EN ISO 9001:2008 quality management systems
- ◆ the EN ISO 14001:2004 environmental management systems.





## 65 YEARS OF TRADITION

Since its establishment 65 years ago Rybnickie Zakłady Naprawcze (RZN) - the Rybnik Repair Company - has been very closely related to the coal mining industry. In its present form, the company has conducted business activities since 2001.

The plant owns a production hall with a floor area of over 4000 m<sup>2</sup> equipped with specialist machinery and installations. It employs the best specialists in both engineering and managerial areas.





The company specializes in the manufacture of large-size machinery and equipment such as:

- ◆ RZN flotation machines,
- ◆ RZN fine coal jiggers,
- ◆ RZN chamber filtration presses,
- ◆ RZN belt conveyors,
- ◆ RZN hydraulic follow up tensioning station for mine belt conveyors,
- ◆ bucket elevators,
- ◆ rotary breakers,
- ◆ DISA concentrators,
- ◆ PRINŻBUD-5/RZN shunting and elevating rail lines and other mining shaft equipment,
- ◆ axial and centrifugal main ventilation fans,
- ◆ impeller and piston pumps,
- ◆ rotodynamic, piston, centrifugal and screw compressors together with tests, diagnostics and refurbishment of components,
- ◆ gas suction nozzles,
- ◆ mining refrigeration and air conditioning equipment.

The RZN brand is famous for the manufacture of coal processing machines, belt conveyors and mining shaft equipment. They are manufactured based on the company's own proprietary technology, know-how and design documentation. RZN provides also repair, assembly, measurement, modernization, and construction services performed on mechanical equipment (e.g. axial and centrifugal main ventilation fans, impeller and piston pumps) fuel pipelines (e.g. thermal and technological systems and installations; thermal, heat exchanger, reducing and cooling stations), heat generation equipment (e.g. mechanical and pneumatic transport equipment, hoisting machinery systems), steel structures and hoisting machinery (refurbishment of brake systems, repair of transport routes and load-bearing structures of hoist towers, rustproofing of hoist towers).

#### Certification:

- ◆ certificate of competence in the performance of welding works issued by the Welding Institute in Gliwice, classifying the company as belonging to the First Group of Small Enterprises,
- ◆ certificate of the evaluation of the repair company's capacities issued by OBAC Ośrodek Badań, Atestacji i Certyfikacji OBAC Sp. z o.o. - Research, Validation and Certification Centre.



# PROGRESJA

## MACHINES, CONSTRUCTION, DESIGN

Progresja Sp. z o.o. Sp. k. has been established within the structure of Zarmen Group for the purpose of the better utilization of the manufacturing and commercial potential of Zarmen Sp. z o.o., the companies belonging to the Group as well as Progresja Sp. z o.o.

The business activities of Progresja Sp. z o.o. Sp. k. concentrate first of all on foreign markets and, on the basis of the Group's synergy, include even the most ambitious undertakings and projects mainly in the mining, metallurgical, and power generation sectors.





## The business offer of Progresja Sp. z o.o. Sp. k. Zarmen Group comprises first of all:

- ◆ comprehensive execution of projects,
- ◆ manufacturing and delivery of steel structures and machine parts,
- ◆ engineering,
- ◆ supervision for contractors,
- ◆ research, expert opinions.

Progresja Sp. z o.o. Sp. k. employs a team of highly qualified engineers with extensive experience resulting from many years of business activities on the majority of the European markets and numerous projects carried out for the leading metallurgical and power companies. The quality of the company's production processes is ensured by the procedures based on the EN 1092; DIN EN ISO 3834-2; AD 2000 standards.

## OFFER

of the potential and competence of both Zarmen Group and Progresja Sp. z o.o. It comprises, among others, the following elements:

- ◆ comprehensive execution of industrial projects, for example: designing, manufacture, assembly and start-up of industrial systems and facilities,
- ◆ supervision of contractors' operations;
- ◆ repairs and modernization of industrial machinery,
- ◆ performance of tests and preparation of expert opinions,
- ◆ steelwork structures manufacturing,
- ◆ structures and bodies of industrial machinery,
- ◆ chimneys and masts,
- ◆ tanks, exhaust ducts, dedusting.

## QUALIFICATIONS AND CERTIFICATES

- ◆ EN 1092 / EX3,
- ◆ DIN EN ISO 3834,
- ◆ AD 2000 HP0,
- ◆ IWE,
- ◆ NDT 2 level.



Industrie Service  
EN 1092



Industrie Service  
EN ISO 3834-2



Industrie Service  
AD 2000 HP0

System





## REMAK - WE CAN DO MORE

Remak started its business activities in 1970 as a state-owned enterprise established for the purpose of providing repair and modernization services as well as assembling power generation equipment.

At the beginning of the 1990s, in order to adjust its business structure to the requirements of the changing market conditions, the enterprise initiated the restructuring process mainly in the areas of organization, employment and financial management. The final stage of the process was privatization, which was completed on 1 December 1993. At that time the company's main shareholders were Elektrim S.A. and Rafako S.A.

Currently the major owner of Remak is Zarmen Sp. z o.o.





Remak SA specializes in the following business operations:

- ◆ repair and overhaul services,
- ◆ the modernization of steam and water boilers,
- ◆ the assembly of power generation equipment, flue gas desulphurization plants, electrostatic precipitators, industrial installations, and pipelines.

The company specializes also in

- ◆ high quality welding and radiographic operations,
- ◆ the development of technologies related to repair and overhaul operations.

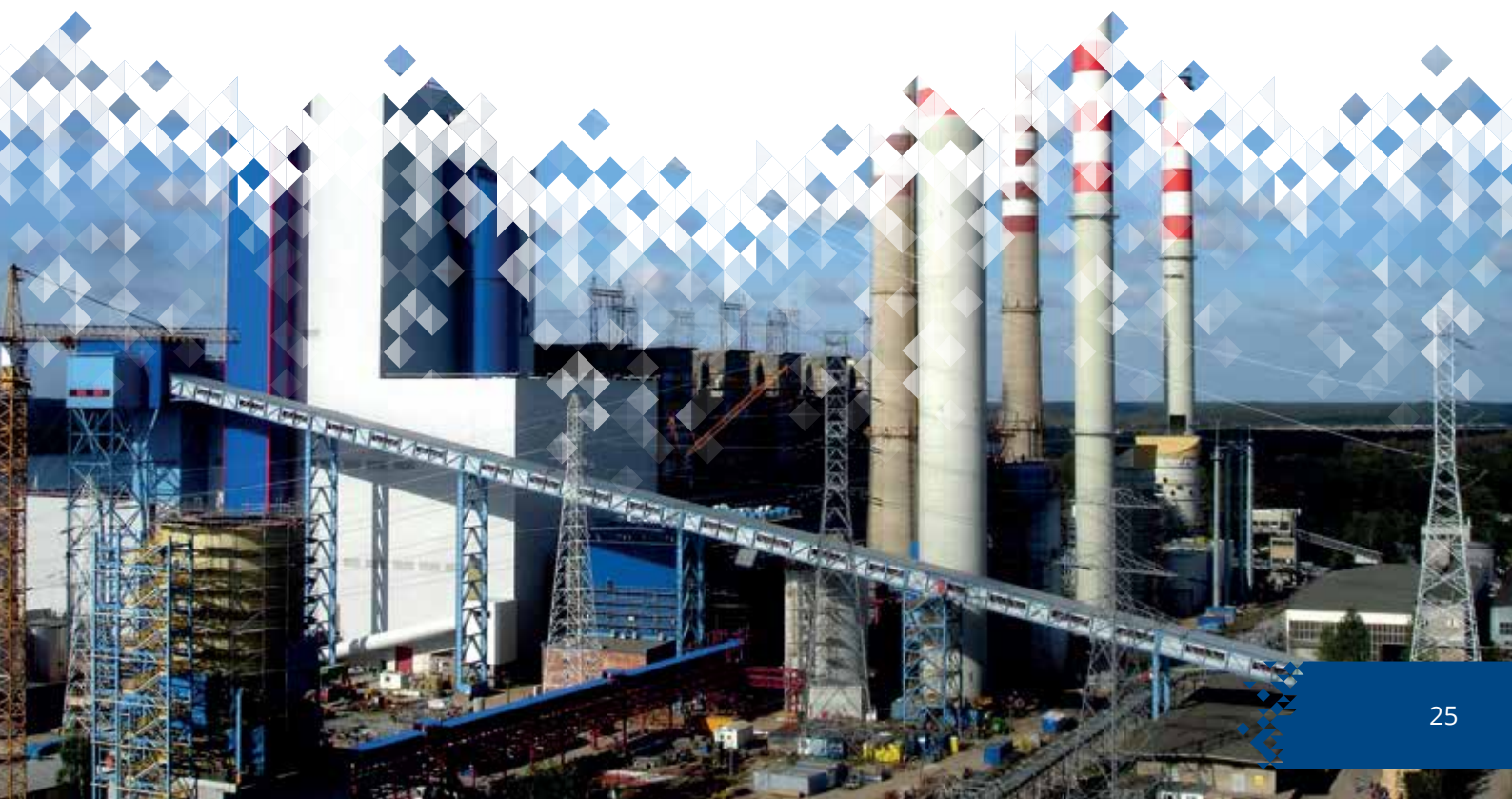
The company employs over 900 people. All employees have extensive professional knowledge and experience acquired at numerous construction sites both in Poland and abroad. The design and technology engineers working for REMAK S.A. are the authors of numerous original solutions and technologies in the area of repair and overhaul operations.

Highly qualified welders constitute an important group of the technical personnel. Currently the company employs over 200 welders who hold qualifications consistent with the requirements of the PN-EN 287-1:2004 standard. These welders are engineers holding EWE and IWE certificates as well as valid competence certificates based on the PN-EN 45013 standard issued by ANB - the authorized national organization of the European Welding Federation, whose main office is located in the Welding Institute in Gliwice. Remak operates its own Welders Training Centre and Quality Control Laboratory, both of which are recognized by the Technical Inspection Office.

Thanks to these two organizational units, the company is prepared to perform various types of specialist work such as the manufacture, assembly and overhaul of water and steam boilers, pressure tanks, atmospheric tanks and steam pipelines. Remak is also proud to hold a special certificate confirming its qualifications in the area of the manufacture and repair of pressure equipment in accordance with the AD HPO instruction.

**The company has acquired many certificates which guarantee its business reliability and confirm its competencies.**

Among other certificates, Remak holds the Quality System Certificate issued by the Bureau Veritas Quality International in accordance with the PN-EN ISO 9001:2000 standard.





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