

**PAK SERWIS**



Przedsiębiorstwo Remontowe  
**PAK SERWIS Sp. z o.o.**

ul. Przemysłowa 158  
62-510 Konin

tel. 63 247 16 00  
fax 63 247 16 01

website: [www.pakserwis.com.pl](http://www.pakserwis.com.pl)  
e-mail: [pakserwis@pakserwis.com.pl](mailto:pakserwis@pakserwis.com.pl)



**PAK SERWIS**

MAINTENANCE COMPANY



## Over 50 years of experience and tradition

**PAK SERWIS represents over 50 years of tradition and experience in construction, refurbishment and maintenance services of power plants and substations.**

As a separate company, PAK SERWIS Sp. z o.o. was established in 1999, as the result of restructuring program of ZE PAK S.A. (Państw Adamów Konin Power Plants Group) – all staff of maintenance departments was acquired from power plants.

Initially our company was focused on service activities inside ZE PAK area. In the following years the scope of activity has gradually expanded on the domestic market as well as abroad, which provided great experience in the construction of various types of power plant facilities and power substations.

We currently offer comprehensive services in the field of construction, maintenance, renovation and modernization of process equipment and systems (including boilers, turbines and other power equipment) as well as electrical and automation systems (a wide range of services from high voltage electrical equipment to digital control systems).

The company employs mostly highly-qualified specialists with many years of professional experience, and possesses modern equipment, necessary workshop and warehouse facilities.

Our potential - combined with our experience and references - allows executing investment and modernization projects comprehensively.

To meet our clients' expectations, we constantly develop our competence in the scope of providing highly-specialised services, such as welding technology, technical diagnostics, manufacturing of boiler pressure components, digital control systems, electrical protection systems and others, in cooperation with leading suppliers of technology and technical equipment.



- SCC\*\*2008/5.1
- PN-EN ISO 9001:2015
- PN-EN ISO 14001:2015
- PN-N 18001:2004
- BS OHSAS 18001:2007



**We offer comprehensive maintenance services for process systems and equipment, electrical systems, I&C and IT systems in power and industrial plants, including:**

- maintenance management - supported by CMMS (MAXIMO)
- 24/7 technical support, on-going troubleshooting
- routine and cyclic maintenance activities – inspections, efficiency control and current conservation, periodic checks, testing and measurements
- repairs and inspections of machinery and electrical equipment
- refurbishment of the power units and auxiliary systems of power plants and industrial installations
- conducting operation of plant electrical systems
- air-conditioning service





## We offer a wide range of workshop service, including the following:

- prefabrication of steam boiler pressure components (super-heaters coils, chambers, vessels, exchangers, etc.)
- machining (turning, grinding, chiselling, drilling)
- cutting of carbon and alloy steels using a plasma cutter
- tube and metal sheet bending (brake press, CNC hydraulic bender)
- heat treatment of welded parts
- anti-corrosion protection (shot-blasting and painting booths)
- regeneration of machinery and equipment (coal mill beater wheels, gears, belt pulleys, extension grates, slag scrapers, etc.)
- prefabrication of steel structures
- prefabrication of racks, boxes and cabinets for automation (incl. DCS system cabinets), as well as electrical switchgear and control cabinets

**PAK SERWIS offers  
comprehensive project execution  
- renovation, modernization and  
turnkey projects in the following  
areas:**

- power unit pressure systems (pipelines with fittings, super-heaters and screen tubes, chambers, boiler drums, etc.), auxiliary systems (fans, coal mills, air heaters etc.)
- steam turbogenerators (control systems, bearings, low-pressure casings with condensers) including auxiliary equipment (recovery systems, oil systems, pumps, exciters, etc.)
- auxiliary systems (water treatment stations, cooling water pumps and systems, fittings, coal and ash handling system, flue gas desulphurization systems, compressed air, water, gas and oil systems)
- boiler houses, heating networks and RES installations
- LV/MV electrical systems and installations (including switchgear, control and protection systems, heating systems, cable lines)
- power evacuation systems from turbogenerators (including power unit measurement and protection systems and digital control circuits)
- automation systems (of power units and auxiliary systems, machinery, production equipment and production lines, pumping stations, etc.) based on DCS, PAC and PLC systems (Siemens, GE, Schneider Electric, Emerson)
- IT and technical protection systems





**PAK SERWIS offers comprehensive project execution – renovation , modernization and turnkey projects in the following areas:**

- LV/MV electrical switchgears and installations
- cable lines (LV, MV)
- 110/220/400 kV power stations and substations (incl. MV/HV equipment, support structures, buildings, station infrastructure, control and protection systems, tele-mechanics, monitoring system and technical protection systems)
- automatic earth-fault compensation systems (incl. chokes with smooth current regulation and digital controllers)

**The scope of PAK SERWIS' services includes:**

- providing project-related, technical, formal and legal documentation
- completion and delivery of materials and equipment
- construction and assembly works, post-assembly and commissioning tests
- execution of acceptance procedures
- warranty and post-warranty service

## PAK SERWIS performs specialized tests and diagnostic measurements, including the following:

- thermographic survey of: electrical devices, cable ducts, heating elements, belt conveyors, thermal insulation of heating equipment, chimneys and buildings
- leak detection in vacuum and pressure systems
- leak detection of gases from tanks and pipelines
- pollutant emission measurements
- electrical equipment and installation testing (including tests of MV/HV primary equipment and transformers, motors and generators, cable lines, lightning and electric shock protection)
- ultrasonic testing (examination of welded joints and metallurgical products, thickness measurement)
- magnetic-powder tests, penetration tests and visual inspections
- measurements of metal hardness, tension and bending tests
- radiographic and metallographic tests - macroscopic
- chemical composition testing (emission spectrometry with spark excitation)
- measurement equipment lab tests:
  - pressure and temperature measurement equipment
  - electrical measurement devices
  - dielectric equipment tests



