



CONSORTIUM

FROM DESIGN TROUGH CONSTRUCTION TO STAR UP





ORLEN Projekt S.A. offer contains all stages of the investment process to start with conceptual studies, designing activities through technical acceptance to the commissioning and starts up of Plants.

We specialize in design engineering and plants erection in the field of:

- petrochemical,
- refinery,
- chemical

and related industries together with construction of buildings and infrastructure objects.

Our offer includes:

- conceptual studies (predesign, revamping and development of plants)
- designs:
 - process,
 - basic,
 - building projects (prepared to obtain Construction Permit),
 - detail engineering,
 - for various disciplines (process, instrumentation, piping, architecture, electrical, underground installation, environmental protection),
- appraisals, expertise, engineering assessments,
- complex delivery,
- technical acceptance,
- engineering and authority supervision,
- Main Contractor services.



PETRO EnergoRem Sp. z o.o. [LLC] was founded on April 30, 1999. The Company was established out of the Operations Upkeep Department of the heat and power plant by Petrochemia Płock S.A. The company provides a broad range of services in the following three basic branches:

Mechanics

Rehabilitation and overhauling of steam boilers and water heaters, steam turbines, columns, regeneration heaters, exchangers and pumps (feeding, circulating and overrolling), reduction and cooling stations.

Rehabilitation of welded fittings and accessories, rehabilitation of flange fittings, rehabilitation and safety valves setpoints, overhauling of automatic fittings and accessories. Erection and assembly of technological process plants, laying of steel and PE pipelines. Erection of compressed air, oxygen and nitrogen systems. Erection and maintenance of heat centers, heat distribution centers and water and sewage systems.

Automatic control

Installation and start up of: measuring and automatic control circuits, distributive and control equipment, power supply and control systems. Start up of DCS. Installation and maintenance of air conditioning systems (SANYO, KLIMOR, YORK, DENCO). Laying of light pipe routes. Heat center automatic control systems. Servicing of physical-chemistry analyzers made by BRAN + LUEBBE.

Electric control

Assembly, installation and maintenance of: safety systems and technological process interlocks, ordinary and explosion-proof electric systems. Anti-shock tests. Fabrication and installation of grounding systems for pipe racks, permanent vessels, columns, chimneys, flares and buildings. Testing of electric safety devices of low, medium and high voltage distribution and switching stations.





PETRO WodKan Sp. z o.o. Company has been functioning since 1999, when it had been separated from structures of Polski Koncern Naftowy S.A. in Płock.

The Company owns technical crew, qualified staff and rich equipped modern stock of machines. High quality and competence of services carried out by our employees was confirmed by Quality Certificate issued by TÜV CERT ascertaining conformance of procedures applied in our Company with requirements of EN ISO 9001:2000 standard.

PETRO WodKan offers complex services within the following range:

- Maintenance of mechanical draft water cooling towers.
- Non-opencast and traditional technologies of underground pipelines renovation using berst-lining method or relining method.
- Controlled and uncontrolled rebores and culverts which pass under roads and railways.
- TV inspection of water, sewerage and gas pipes, channels and networks.
- Construction of new water and sewerage systems as well as cleaning and diagnostics of existing ones.
- Chemical enhancing of HPI and utility engineering processes:
 - Chemical cleaning of tanks and processes plants (with recovery of oil products);
 - Chemical enhancing of refinery and petrochemical processes as well as heavy fuel oil combustion processes.
- Construction of waste water and sewage treatment plants.
- Overhaul of ventilation installations and sanitary units.
- Overhaul of: water and sewerage networks, equipment for utility facilities, rotary machines, steel structures and technology buildings.



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PROReM Sp. z o.o. Company performs various repairs, modernizations and setting new appliances such as:

- industrial installations,
- technological lines,
- air – compressors,
- blowers,
- pumps,
- ventilating fans,
- turbines of low power,
- coal,
- pipe,
- fan-mills in chemical,
- energy,
- mechanical industries.

We also make the overhauls and adjustments of safety – valves certified by Technical Supervision and Control Department, the repairs and regenerations of acid – proof, cast iron, cast steel, rubber-coated equipment, the repairs and preservations of gas plumbers and piping and sewage – cleaner's machines.

The company deals with the repairs of pressure and non – pressure vessels and all kinds of technological plumbing and piping.

We are provided with the equipment and abilities to regenerate mechanical choking – colis. We make and repair water supply, sewage and heating systems. Anti – corrosion coatings made in our company are used not only in ordinary, standard but also highly difficult environment and conditions.





Przedsiębiorstwo Usługowe „EKOKAN” Sp. z o.o. with its registered seat in Tarnów was incorporated in the year 1996.

It specialises in the following:

- execution of gas, water supply, sewage and technological grids and systems made of: PVC, PE, polypropylene, cast iron, steel, pre-insulated pipes;
- forcing through, impact moling under the roads, buildings, ground installations, railroads, rivers (from DN 100 to 2000 mm);
- repairs of technological and water supply and sewage networks and pipe lines without making pits;
- cleaning the sewage system (from DN 100 to 2000 mm);
- technical inspections – filming sewage, technological pipe lines together with the technical description;
- untypical, complicated engineering and ground works;
- execution of leak-proof unloading trays for environment hazardous materials; material: PE and concrete with polyurethane derivatives;
- execution of heat distribution networks made of pre-insulated pipes, including power audits.

The founders and the contributors to the present status of the company pay great attention to latest technologies, most modern materials, equipment and proper work organisation. Reliability, timeliness, short time of tasks realisation, and most of all high quality of the services provided are the main competitive advantage of the company. The combination of professional know how, modern technologies, and best materials make it possible for the company to give many-year guarantees for the works performed by it. The company tackles with each subject individually, connecting high quality execution of works with selecting such a technological process that is adjusted optimally to the investor's needs. Thanks to the co-operation with scientific centres the company makes use of the latest achievements in various fields.

Przedsiębiorstwo Usługowe „EKOKAN” Sp. z o.o. has got ISO 9001:2000 quality certificate and PGNIG permits to perform the works.



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ZWRI was established in 1952 with the name of SOWI. SOWI activity was focused on supporting Zakłady Azotowe w Tarnowie with services of new investment projects management. SOWI had been a separate company till 1977 when it was emerged with Zakłady Azotowe w Tarnowie and changed the name to ZWRI.

Polish economical transformation on the turn of 90's forced Zakłady Azotowe to reorganize its structures and on the November 2nd 1993 by virtue of the Act of Management Board ZWRI became a Limited Liability Company with Zakłady Azotowe as a sole shareholder.

ZWRI is certified for:

- production, assembling and repairs of welded steel structures of 1,2 and 3 class in accordance with standard PN-87/M-69008 issued by Polish Welding Institute.
- production – ZS, STŻ, ZCZ and for repairs and assembling – PK, KW, ZS, ZTŻ, ZCZ by Polish Board of Technical Supervision.

ZWRI provides following services:

- construction and assembling of steel structures,
- technological pipelines and pressure equipment according by 97/23/WE Directive,
- building and assembling of industrial pipes,
- industrial construction,
- assembling of specialized machinery and complex delivery from Poland and abroad,
- work with the use of hoisting equipment – cranes for weight to 130 t and to jack up to 72m.

