



PETROSOLUTIONS INDUSTRIES LTD.

POWERING
INDUSTRY WITH
**PRECISION
& RELIABILITY**

COMPANY PROFILE



SOLUTIONS FOR INDUSTRIAL MAINTENANCE GO

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PRECISION
ENGINEERING
SUSTAINABLE
SOLUTIONS



YOUR PARTNER IN **INDUSTRIAL EXCELLENCE**

PETROSOLUTIONS INDUSTRIES LTD.

Petrosolutions Industries Ltd. is a premier Electrical and Instrumentation (E&I) services provider specializing in complex industrial ecosystems. We bridge the gap between technical complexity and operational efficiency by offering high-end repair, maintenance, and supply services for the Oil & Gas, Power, and Manufacturing sectors. Our commitment is to minimize downtime through innovative troubleshooting and reliable engineering support.

CORE SERVICE VERTICALS

ELECTRICAL & INSTRUMENTATION (E&I)

We provide end-to-end E&I services, from installation to full-scale commissioning.

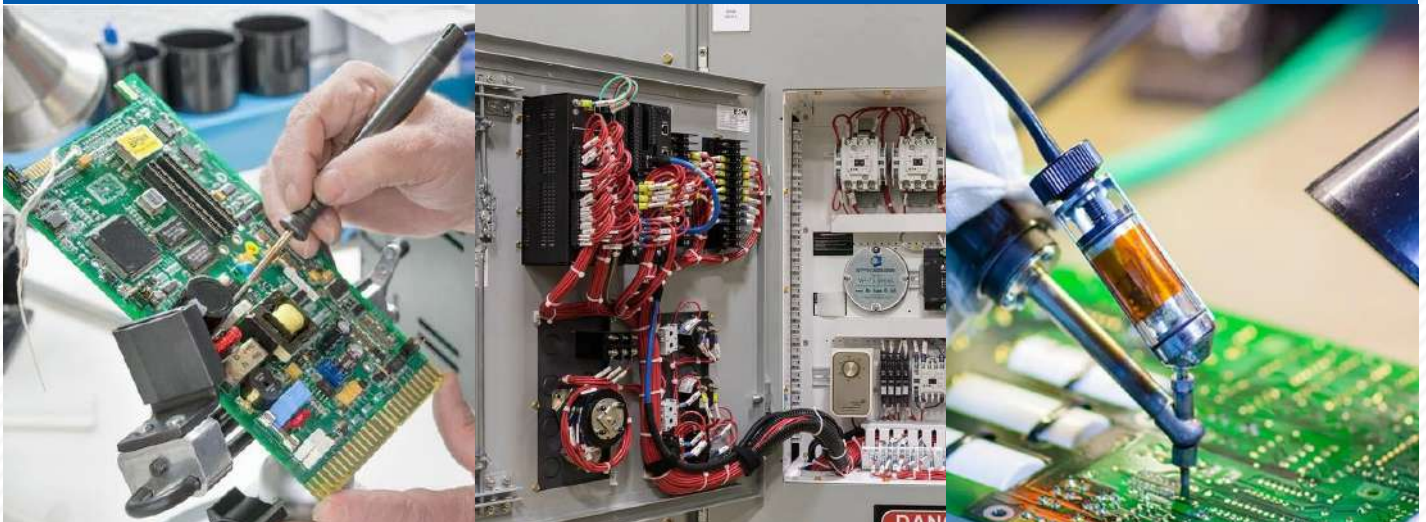
- Testing & Pre-Commissioning: Loop checking, solenoid valve troubleshooting, and control valve calibration.
- System Integration: Expertise in DCS, PLC, and SCADA systems, including logic design and I/O assignment.
- Power Systems: Configuration of advanced numerical protection relays and high-voltage circuit breaker testing.
- Field Support: Cable laying, termination, and glanding for marshalling panels.



INDUSTRIAL REPAIR SERVICES

Our specialized repair lab restores critical electronic components to factory performance.

- PCB & Controls: Precision repair of Printed Circuit Boards, VFDs, and PLC modules.
- Motor Control: Servicing of Servo Drives, Medium Voltage Drives, and Soft Starters.
- Legacy Support: Reverse engineering and retrofitting for obsolete components to extend asset life.
- HMI & Computing: Repair and calibration of Human Machine Interfaces and industrial computers.



VIBRATION ANALYSIS & CALIBRATION

Specialized predictive maintenance to ensure mechanical integrity.

- **Sensor Calibration:** Comprehensive calibration of vibration sensors and related instrumentation.
- **Advanced Diagnostics:** In-depth vibration analysis of instruments to detect early-stage mechanical wear.
- **Monitoring:** Periodic assessment to prevent catastrophic equipment failure.



ONSITE FLOW METER VERIFICATION

Maintain process accuracy without removing equipment from your line.

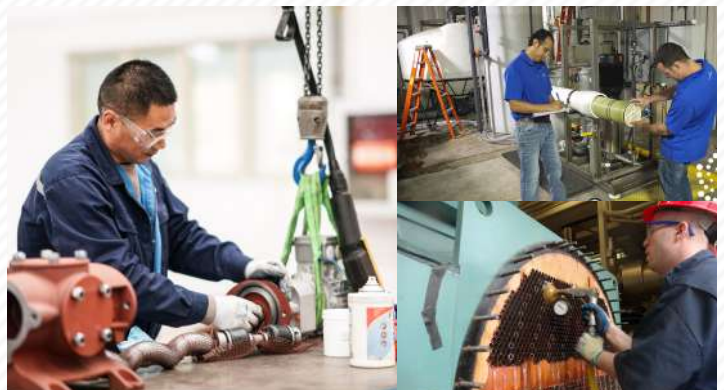
- **Field Verification:** High-precision onsite testing of flow measurement systems.
- **Compliance:** Ensuring all meters meet operational standards and process requirements.



RO & WATER TREATMENT PLANT MAINTENANCE

Keep your water treatment systems operating at peak efficiency with professional maintenance solutions.

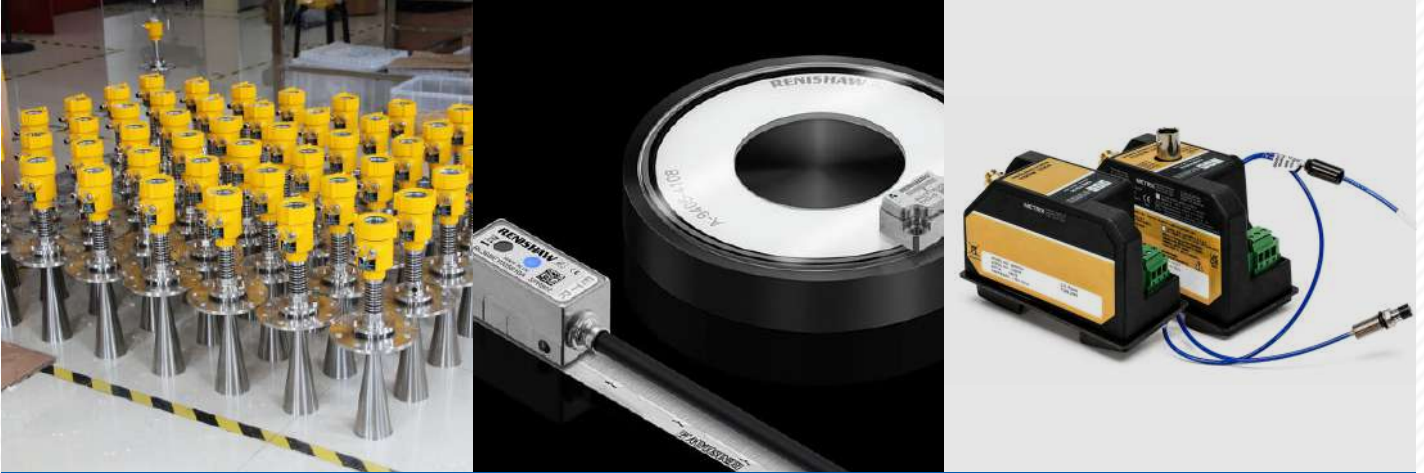
- **Preventive & Corrective Maintenance:** Regular inspections, pump checks, and system re-commissioning.
- **Membrane Care:** Professional RO membrane chemical cleaning and replacement to restore water quality.
- **Cooling Tower Support:** Cleaning and replacement of cooling tower media for optimal heat transfer.
- **Automation:** Upgrades to smart control systems for water quality optimization (TDS/pH monitoring).



STRATEGIC SUPPLY: ABSOLUTE INSTRUMENT & COMPONENT DIVISION

We source and supply high-precision components designed for harsh environments:

- Process Instruments: Level, flow, pressure, temperature and vibration sensors.
- Positioning: Encoders, transducers, and load cells.
- Electrical Hardware: Transformers, breakers, and numerical relays.



INDUSTRIES WE SERVE

- Oil & Gas: Refineries and upstream facilities.
- Power Generation: Substations and thermal/hydro plants.
- Manufacturing: Cement, Steel, and Water Treatment plants.
- General Industry: Infrastructure and OEM support.



**POWERING PROGRESS
ACROSS INDUSTRIES**

INDUSTRIAL AUTOMATION & ROBOTICS SOLUTIONS

Specializing in the design and implementation of advanced industrial automation and robotics solutions, with a focus on enhancing operational efficiency, reliability, and safety across diverse industrial environments.

- Delivering smart factory solutions through the integration of PLC, SCADA, and intelligent control systems, enabling real-time monitoring and process optimization
- Designing and integrating robotic systems for palletizing, packaging, and material handling, seamlessly coordinated with conveyor-based operations
- Developing automated material handling and warehouse solutions, including conveyors, sorting systems, AGVs, and AMRs to improve intralogistics efficiency
- Deploying service robotics for cleaning, inspection, and maintenance in hazardous and confined spaces, minimizing human intervention
- Implementing sludge cleaning robotic systems for automated tank cleaning applications, improving safety and reducing downtime
- Executing system upgrades, retrofits, and customized automation solutions to enhance performance and extend operational life of existing equipment



WHY CHOOSE PETROSOLUTION



Expert Technicians

Our team consists of highly skilled and proficient technocrats with multi-industry experience and qualified engineering staff.



Rapid Response & 24/7 Support

We provide 24/7 rapid response and emergency repair options to minimize industrial downtime and ensure operational continuity.



Quality & Global Standards

We are committed to global industrial standards, ensuring all products and services meet stringent work specifications.



Transparent & Competitive Pricing

We offer affordable and transparent pricing models designed to provide cost-effective solutions for complex industrial needs.



On-site Diagnostics & Field Support

Our engineers provide comprehensive on-site diagnostics and technical manpower assistance for regular operations.



PETROSOLUTIONS INDUSTRIES LTD.

WHERE
EXPERTISE MEETS
**INDUSTRIAL
PERFORMANCE**

Contact Us

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