PROMOTIC SCADA

MANAGE ENERGY & PRODUCTION

SMART SOLUTIONS
FOR PROCESS OPTIMIZATION AND MONITORING

LUMEL

PROMOTIC

In the era of rising energy costs, regulatory pressure, and the need for continuous process optimization, a reliable and flexible SCADA system is the key to the success of a modern industrial plant.

PROMOTIC SCADA combined with Lumel solutions:

- provides precise control and analysis of process data,
- automates key production and energy processes,
- provides full insight into resource consumption in real time,
- helps prevent failures and minimize production downtime.

In automation systems, this solution enables the transition from traditional, reactive production management to a predictive approach – allowing earlier detection of potential problems and optimization of equipment operation before disruptions occur.

PROMOTIC SCADA PLATFORM

PROMOTIC SCADA is an industrial-class platform designed for flexibility and long-term stability:

- support for all popular industrial protocols (Modbus, OPC UA, MQTT, SNMP),
- integration with various IT systems – from databases to ERP and BMS,
- advanced synoptic graphics – interfaces tailored to user needs,
- scalability – from small applications to complex factory and plant networks,
- client-server architecture with www and mobile device access,
- unlimited possibilities for expansion and customization.

WAYS TO PURCHASE THE PROMOTIC SYSTEM

License tailored to project scale
Scalable license that grows with your plant. Lifetime validity with 10 years of free updates.

Turnkey application
Comprehensive project execution by Lumel's Automation Systems Department – from concept to implementation.

Free version – available at: www.lumel.com.pl/en

- up to 30 variables – no time limitation,
- up to 100 variables – 1 hour operation,
- ready-made project for ND30/NR30 meters – integration with Lumel devices and other manufacturers' equipment.

SCAN ME!

PROMOTIC SCADA - TECHNOLOGY USED BY INDUSTRY... AND SPACE

We proudly emphasize that PROMOTIC SCADA supervised the freeze-drying process of food for astronauts participating in the Axiom-4 mission.

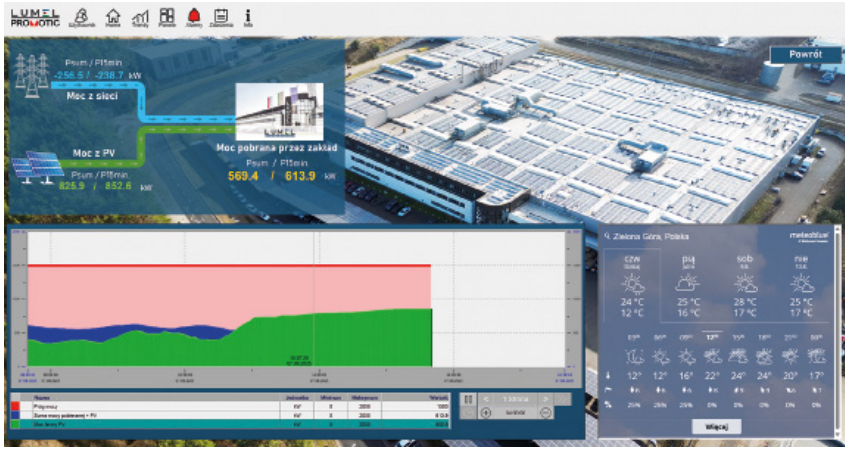
This is a great honor for us and proof that our technology works not only in demanding industrial conditions, but also in projects of exceptional scale and importance – where reliability is an absolute priority.

EXPLORE EXAMPLE APPLICATIONS

ENERGY MONITORING AND SETTLEMENT

PROMOTIC SCADA implementation enables efficient energy management through:

- continuous monitoring of electrical network parameters and contracted power,
- alarms when approaching or exceeding consumption thresholds,
- optimization of device schedules in terms of energy costs,
- elimination of consumption peaks and costly contractual penalties,
- assigning energy consumption to specific organizational units,
- reporting for controlling, management accounting, and energy audits.



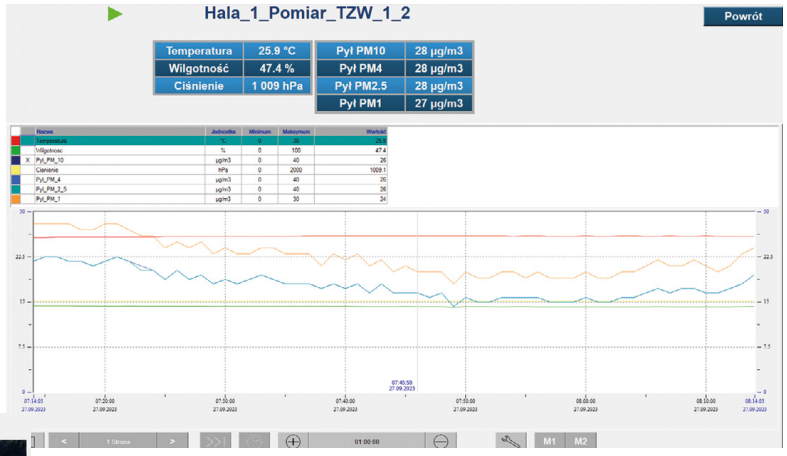
Business benefits:

- immediate identification of losses and inefficiencies,
- better forecasts and planning of energy purchases,
- compliance with ISO 50001 standard requirements.

MONITORING OF MEDIA AND ENVIRONMENT

PROMOTIC enables the collection, analysis, and visualization of data from various sources:

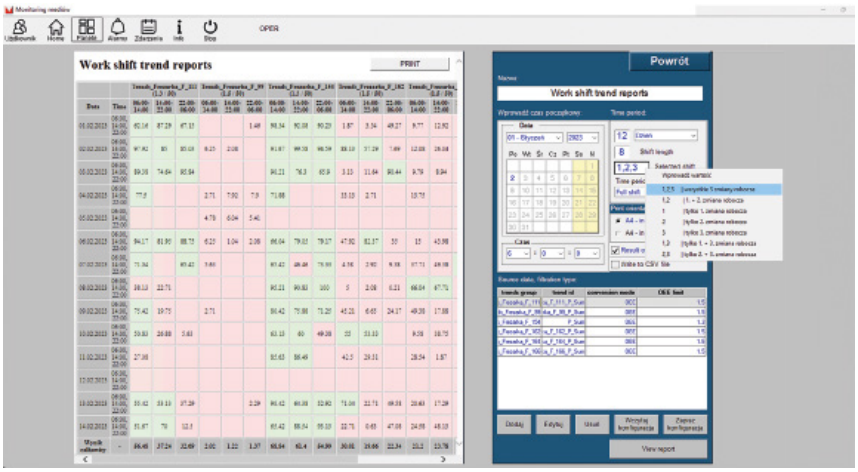
- technical media: water, gas, steam, heat, compressed air,
- environmental factors: temperature, humidity, CO^2, TVOC, noise level,
- states of HVAC devices, ventilation systems, BMS systems,
- alarm systems integrated with maintenance,
- registration of failures, deviations, standard exceedances, and technical staff interventions.

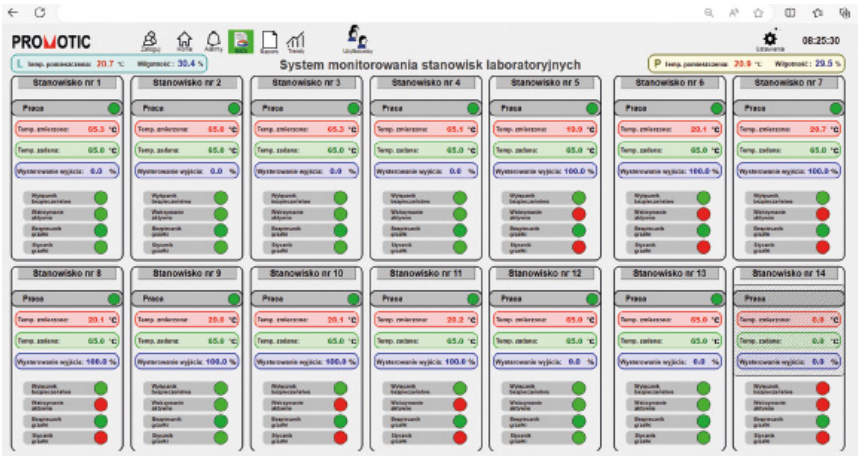


Business benefits:

- reduction of non-apparent losses on the invoice,
- faster responses to environmental problems,
- support for ESG activities and non-financial reporting.

PRODUCTION EFFICIENCY AND DATA ANALYSIS





PROMOTIC SCADA provides tools for monitoring, analyzing, and optimizing production processes, including:

- ongoing supervision of product quantities, OEE indicators, and operator efficiency,
- real-time quality analysis, alarms on deviations, batch and product genealogy tracking,
- identification of bottlenecks and cycle time analysis,
- monitoring of energy consumption assigned to products or batches,
- alarms and notifications via SMS/email/mobile app,
- integration with ERP, MES, CMMS, and QMS as well as data import/export,
- reports for Lean and Kaizen and trend analyses,
- predictive maintenance – forecasting failures and planning downtimes.

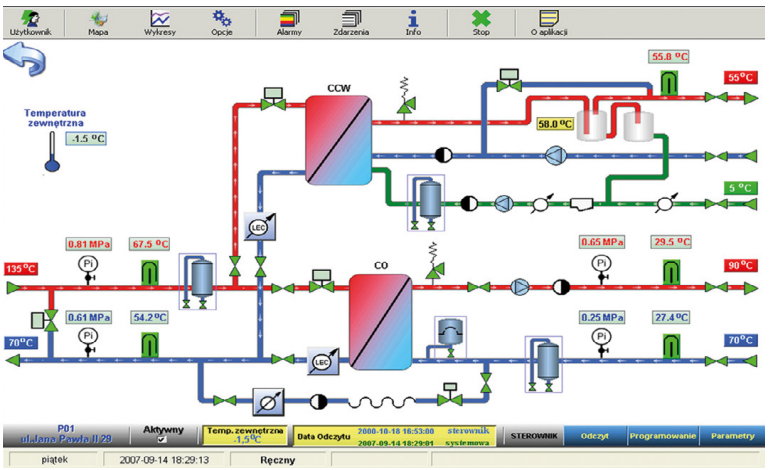
Business benefits:

- real data for strategic decision-making,
- improved production planning and organization.

MONITORING AND CONTROL IN HEATING INDUSTRY

PROMOTIC SCADA is a comprehensive solution for supervision and automation of processes in the heating industry. The system enables:

- control of boiler houses, heating nodes, and HVAC systems,
- integration with various types of regulators and controllers, regardless of manufacturer,
- heat billing divided into facilities, zones, or individual consumers,
- real-time monitoring of installation parameters (temperature, pressure, flow),
- generating reports and analyses of energy consumption for cost optimization.



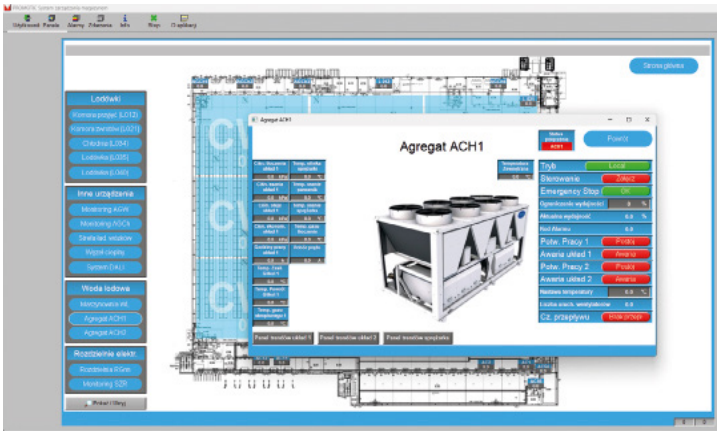
Business benefits:

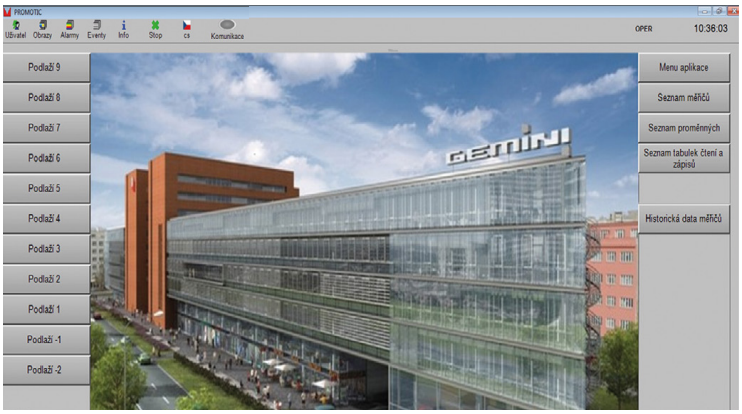
- lower operating costs thanks to fuel and energy optimization,
- higher service reliability through rapid failure response and downtime minimization,
- transparent billing increasing customer trust and reducing complaints,
- fulfillment of regulatory requirements regarding reporting and energy efficiency,
- increased competitiveness by offering modern and efficient heating solutions.

BMS MONITORING

PROMOTIC SCADA as a flexible tool for managing and monitoring building infrastructure within Building Management Systems (BMS). The system enables:

- automatic reading of electricity, gas, water, and other media meters,
- data export to Excel, ERP systems, and billing platforms,
- graphical presentation of consumption in charts, diagrams, and object maps,
- failure analysis and quick detection of deviations in installation operation,
- integration with HVAC, lighting, access control, alarms, and monitoring systems.



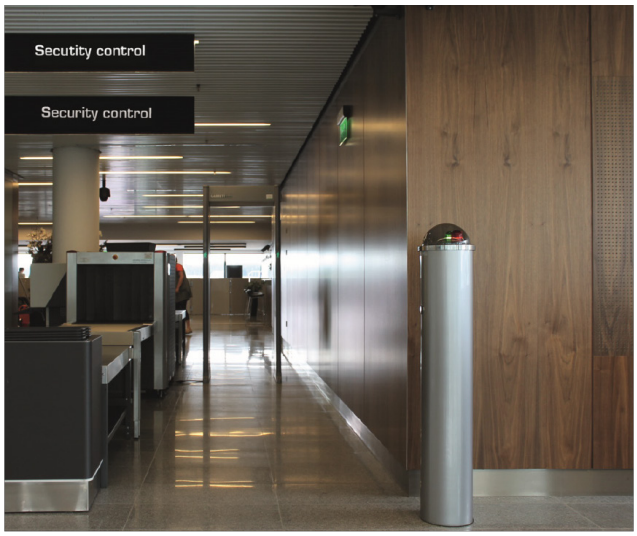


Business benefits:

- central supervision of all installations in a building or complex,
- cost optimization through consumption control and trend analysis,
- increased safety through quick failure and alarm response,
- improved settlements with tenants or organizational units,
- integration of many systems on one platform – convenient operation from a single interface.

RADIATION MONITORING

PROMOTIC SCADA is also adapted for supervision and analysis of Stationary Radiation Monitoring Systems, detecting gamma and neutron radiation in places with high flow of people and goods.



It enables central monitoring of radiation gates, quick threat identification, and data archiving/ reporting, effectively supporting safety in transport, industry, and recycling.

DISCOVER OUR PRODUCTS

PROMOTIC

COMPREHENSIVE SOLUTIONS – PROMOTIC SCADA + LUMEL DEVICES

Alongside the PROMOTIC SCADA platform, we provide a complete portfolio of Lumel automation devices – all backed by a 3-year warranty.

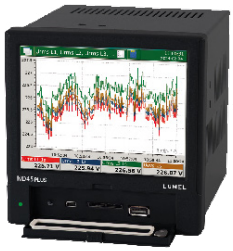
SCAN ME!

Power quality analyzers

We offer stationary and portable power quality analyzers compliant with PN-EN 50160 and PN-EN 61000-4-30 (Class A).

The ND45PLUS and NP45 models record over 500 network parameters, including harmonics up to the 63rd order, flicker, asymmetry, voltage sags and swells, as well as oscillograms and data stored in memory up to 32 GB.

Communication is available via Ethernet, Modbus TCP/IP, RS-485, USB, and a built-in WWW/FTP server.



SCAN ME!

Network parameter meters

ND31PLUS, ND31LITE, NR30, N43) – designed for continuous monitoring of voltage, current, power, and energy.

They offer harmonic measurement (up to 51 or 63 depending on the model), power factors, THD, and reactive power.

Ideal for ongoing power quality control in industrial plants and commercial buildings.

SCAN ME!

MID-certified energy meters

Single- and three-phase (e.g., NMID30-1 V1, NMID32, NMID33) with active energy accuracy 0.5 S or 0.2 S.

They allow measurement of active, reactive, apparent energy, and power quality parameters, with direct connection up to 100 A or via transformers

SCAN ME!

Measurement transducers

depending on execution, P30 series transducers are intended for measuring different process values: P30U – temperature and standard signals, P30P – network parameters, P30O – rotations, and P30H – DC parameters.

Galvanic isolation up to 2.5 kV, configurable via USB or Ethernet.

SCAN ME!

Temperature controllers

Models RE72, RE82, RE92 support universal inputs (Pt100, thermocouples, analog 0/4–20 mA, 0–10 V).

Available in single- and dual-channel versions.

Designed for both simple and advanced processes, with many programmable operating modes.

Equipped with PID algorithms, on/off function, three-position control, heating-cooling, and three-step operation.

SCAN ME!

Digital meters

Depending on version, enable measurement of voltage, current, resistance, temperature (Pt100, Ni100, thermocouples), or current and voltage signals from transducers.

Clear LED display, alarm threshold configuration, relay and analog outputs, and RS-485 communication.

SCAN ME!

Environmental data loggers

HT20, HT22IoT designed for temperature, humidity, CO^2, VOC monitoring, with data storage in the cloud or locally.

Communication via RS-485 or Wi-Fi/Ethernet.

SCAN ME!

Communication and I/O modules

Expansion modules for digital/analog I/O (SM type), signal converters, protocol gateways (e.g., Modbus RTU → Modbus TCP, RS-485 → Ethernet) such as PD9W.

Enable integration of legacy devices with modern SCADA systems and data transmission via LAN, Wi-Fi, or GSM.

DISCOVER OUR AUTOMATION SYSTEMS DEPARTMENT

PROMOTIC

ONE-STOP SOLUTION – FROM CONCEPT TO COMMISSIONING

Design → Implementation → Commissioning → Training → Warranty & After-sales service

For those seeking a complete project solution, our Automation Systems Department provides end-to-end services – from concept and design, through implementation, to commissioning and staff training.

We deliver a complete range of services – from concept and design, through implementation, to commissioning and staff training. Our solutions include both systems based entirely on Lumel products and integrated projects combining devices from multiple manufacturers.

We have already implemented hundreds of application solutions operating in industrial plants in Poland and abroad.

Our team consists of experienced designers and contractors, guaranteeing quality, reliability, and perfect adaptation of solutions to customer needs.

What sets us apart?
Even after implementation, we never leave our customers without support – we ensure ongoing contact and rapid response.

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SCAN ME!

INVEST IN MODERN SOLUTIONS THAT PAY OFF!

The PROMOTIC SCADA system is not just a tool – it is a digital transformation platform for your company.

From energy consumption monitoring to production optimization – every functionality translates into real savings and a competitive advantage.

Contact us and start controlling your plant like never before.

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