



Get presentation with case studies listed below



# The main areas of application for telemetry and location modules:

- water and sewage systems management
- heat and professional power industry
- industrial automation
- logistics and storage of goods
- manufacturing
- facilities protection
- transport
- environment protection
- agriculture and horticulture

# Example applications:

- monitoring and control of pumping stations
- measurement of temperature and humidity in medical refrigerators, blood donation stations, medical transport, and storage facilities for medications, vaccines, and fertilizers
- data acquisition from sensors and measurement devices in district heating systems with GSM/Ethernet transmission to supervision and control systems
- monitoring of gas reduction stations
- monitoring of parameters in waste containers
- detections of leaks in pipelines
- remote reading of media consumption (water, heat, gas, electricity)
- remote supervision of industrial automation installations
- location of vehicles and containers
- measurement of water level (in wells, water intakes, rivers)
- measurement of water tanks filling
- monitoring of overhead transmission lines
- monitoring of lifts operations
- monitoring of temperature and humidity in silos
- data transmission from meteorological stations
- air pollution measurements
- monitoring parameters and control of the cathodic protection installation of pipelines, tanks and other metal structures buried in the ground or immersed
- data collection, visualization and analysis based on cloud solutions non-contact temperature control of elements in the electrical switchboards
- large scale irrigation systems for crops, fruit and vegetable farms, forest areas and gardens

## **MODULAR TELEMETRY** CONTROLLERS

Linux-based wireless router and PLC in one housing. Possible extension with external expanders MTX-2060, MEX-B16, MEX-UPS and others

## **LOCATION MODULES**

GPRS/GPS location devices for monitoring vehicles, objects, and wild animals living at large ML-232, ML-941

# **SPECIALIZED MODULES**

Modules for cathodic protection and alarm communication in lifts MT-653\*, MT-514\*, MT-570\*



# **MODULES**

Distributed measurement network solutions (sensors and gateways) CoolSens\*



# COMPACT **MODULES**

**COMMUNICATION** 

wireless module with Ether-

net port MTX-2050 (LINUX).

MT-221 (CODESYS®)

**GATES** 

**BATTERY** 

**MODULES** 

MT-718 PS\*

**ECONOMY** 

**MODULES** 

modules without

MT-025, MT-331

programmable logic

Monitoring and control

Battery-powered, energy

-saving modules with

waterproof housing MT-058, MT-718,

> Programmable logic controllers (CODESYS®) for monitoring, remote and local control applications MT-151 HMI, MT-151 LED, MT-121, MT-156 HMI\*

\* NEW IN OUR OFFER



## **DATAPORTAL** SCADA SYSTEM

Visualization system working in a safe cloud computing environment. Professional and economical alternative to standard SCADA systems

## TELEMETRY IN THE FIELD, **PARKS AND GARDENS** AGREUS® system - IIoT solution for

gardening and agricultural practice WellGreen® – a system for precise irrigation with a non-pressurized tank Green Walls – a remote system for watering plants in the offices and apartments, planted in the special cascading pots



(((9)))

in entiq

**PORTFOLIO** 

## Inventia's offer stands out:

- Possibility of remote configuration, control logic programming and firmware update in the already installed equipment via 2G/4G (Cat. 1, Cat. M, NB-IoT, LTE450)
- System flexibility due to the open standards used (MQTT, Modbus TCP, Modbus RTU)
- Possibility of cooperation with standard devices (PLC controllers, I/O systems, measurement equipment) that support standard communication protocols (e.g. Modbus RTU/TCP, Gazmodem, MBUS, NMEA, Genibus, IEC 60870-5-140)
- Possibility of using any visualization system thanks to the data sharing through the standard OPC interface (OPC DA, OPC UA)
- Possibility of integration with databases and the user's IT environment using the standard ODBC interface and CSV files
- Minimum operating costs (remote control and updates, spontaneous event-initiated transmission, creating a mirror status of external devices, advanced diagnostics, scalability)
- Possibility of integration of all our devices in one, consistent system available in two variants: cloud based DataPortal service and MTDataProvider standalone solution running on customer machine





### INVENTIA Sp. z o.o.

Poleczki 23, 02-822 Warszawa, Poland ph.: +48 22 545 32 00, CS: +48 22 545 32 30 webpages: inventia.online, coolsens.eu, agreus.pl, dataportal.pl, xway.pl inventia@inventia.pl bok@inventia.pl