

aiut

IoT Ecosystem

Open platform for data management and process optimization
in gas, water, heat & street light metering



IoT Ecosystem is a high class software platform that incorporates all tools assuring efficient and high system performance, easy commissioning & maintenance of IoT devices, connectivity and 3rd party involvement. Designed to meet business requirements, IoT Ecosystem is a flexible and customizable platform supporting devices that use various communication protocols, such as SMART-GAS, W-Mbus, MODBUS, and communication links (SMS, GPRS, UDP/IP, IoT technologies, SRD).

- A unique combination of functionalities including maintenance processes, equipment and issue management
- Management of IoT equipment using various communication protocols
- Supervision over performance of IT platform, IoT devices, connectivity, interfaces
- System life cycle management
- Support for various mobile operators, M2M brokers, all IoT communication options
- Heterogeneous, 3rd party device integration
- Quality control of all system elements and services based on KPI calculation
- Calculation, conversion and data validation mechanism
- Highly efficient management system supporting thousands of devices
- Safe data storage and encryption
- Generating reports based on received data
- Integration with external IT systems
- Configuration management of on-site devices
- Processing of measurement data necessary for effective business decisions, e.g. process modelling, consumption profiling.

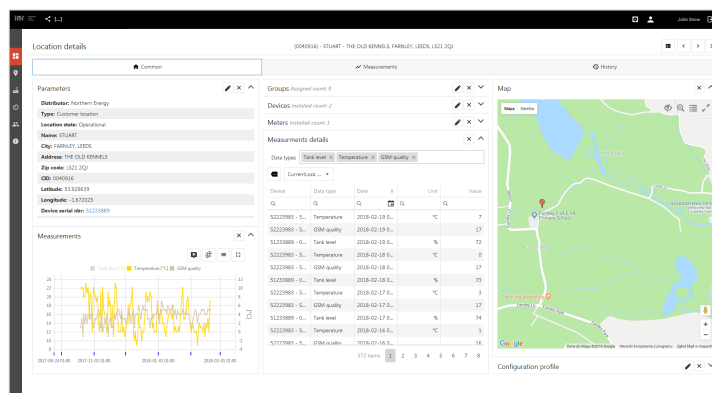


SIMAX

WEB based application for data browsing and presentation
Effective device management and control of on-site operations

SIMAX is a web based comprehensive application designed to visualise the measurement and diagnostic data. It is a dedicated system that can be implemented at the client or shared in cloud. Thanks to this solution every company is given individual access and data area to browse. The application enables to efficiently organize the data and gives the user access to a wide variety of management tools such as: management of locations and assigned devices or on-line access to acquired data.

- Access to accurate information concerning customers, systems and devices in a comfortable, customized form
- Visualisation of readout, diagnostic and configuration data in form of graphs and tables
- Planning, supporting and assessing on-site operations
- Alarms & configuration management
- Inventory management
- Continuous analysis of the parameters relating to key operations necessary for effective business decisions
- Data export to common files
- Reporting including billing reports
- Possibility to share data with end-customer



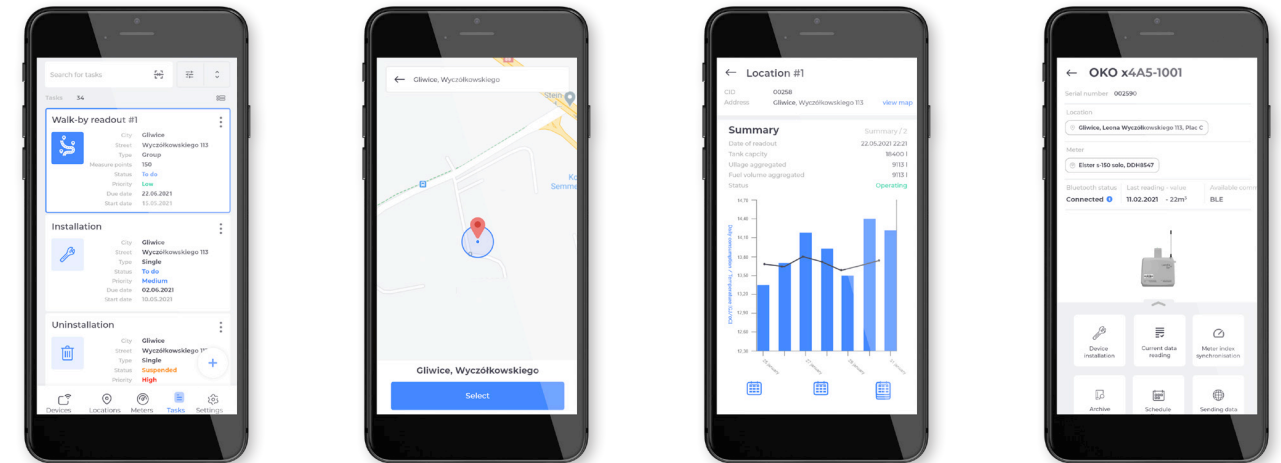
SIMAX

SITA

Mobile tool for convenient readout and configuration

SITA is an application dedicated for mobile devices (smart phone, tablet) with Android and iOS that can communicate with IoT devices via Bluetooth (BLE). It supports the operational procedures such as installation and configuration of IoT devices as well as data synchronization or collection of readout data. All data and information collected during the procedures can be sent directly from the application to acquisition server where they are further proceeded and presented in dedicated applications.

In Walk-By mode the readouts are acquired automatically over radio link. SITA shows the readout progress on the map indicating which sites remain to be covered by the collector. Received measurements are streamed on-line to back-office server with mobile uplink interface.



- Remote readout collection from IoT devices installed on site
- BLE on-site operations
- Intuitive installation and uninstallation of IoT devices, easy data synchronisation and configuration
- User-friendly interface for flawless operation and easy diagnostics
- Highest security standards - access to particular functionalities of the applications is protected with passwords and permissions
- No need for visual direct contact with an IoT device
- Virtual display for devices without digital display screen

SERVICE DESK

Convenient management of issues

SERVICE DESK is an application offering ticket support service for already implemented IoT systems. It's used to receive and manage requests both from external customers and own AIUT employees. Access to the system can be offered as part of AIUT SLA service or can be implemented on the client's side.

- IBM Maximo Software Environment
- Technical Support 24/7
- Knowledge Base
- Effective prioritization & escalation



ARCHITECTURE OF IoT ECOSYSTEM

