

DEMAS Device Management System for RTU



The DEMAS management tool (Device Management System) is a modular management system designed as stand alone solution or to be integrated into existing management systems.

The DEMAS system has 5 main functions: Commissioning, administration, system control, monitoring and provision of data to 3rd party systems (s.a. SCADA...)

DEMAS guards security with regular vulnerability firmware updates following NIS2 and ISO 27K procedures.

Configuration and management is done using a file-based management concept. Firmwares, containers, and configurations are created using File Upload and Plugin Mechanisms and uploaded to the DeMas.

- **OPERATION**

The DEMAS management is a Linux operated system that can be installed in the cloud or on premisses by customers choice. The system will be responsible for the commissioning of the devices in the field, configuration, firmware uploads and management of the devices in the field. It can manage up to 10.000's of devices.

- **CONFIGURATION**

Configuration of network settings, security, communication, protocols and mapping (using a visual tool Node Red) are done remotely making configuration very easy and transparent. The configuration is installed in files and bundled in file collections defining the configuration of the RTU's in the field.

- **SETUP & COMMISSIONING**

The commissioning of RTU's can be automated by uploading the config files to the devices in the field (F.I. substations), for large infrastructures up to 48 devices can be configured at the time. Onsite a simple scan of the devices can activate the commissioning.

- **ADMINISTRATION**

Administration is made very easy and complete by using URL's that can give a complete overview of all devices in the field defined by customer, service, function or whatever grouping want to be used.

- **SECURITY**

Regular firmware updates security vulnerabilities following NIS2 and ISO 27001 procedures.

- **MONITORING**

the DEMAS system has monitoring functionalities that can be showed via the open source application Grafana. It allows to view countless parameters of the device as defined by the customer.

- **PROVISION OF DATA TO 3rd PARTIES**

- **PRICE SETTING**

Quantity scale:
 Scale ranges based on number of devices: 0 -100 – 500 – 1.000 – 5.000 -10.000+
 Number of protocols:
 supported: SNMP, IPsec, IEC60870, MQTT, Wireguard, Modbus RTU/TCP, MATTER, Talq, RDDL
 Support period agreed in advance: 1 to 10 years
 Onboarding (optional):
 Creating of implementation process
 Installation and Configuration
 Connection to existing customer systems
 Developing of customer specific functions

DEVICE MANAGEMENT MADE SIMPLE

The device management system (DEMAS) is a collection of tools that simplifies the management of devices

