

## **NETx MaRS Module**

Energy reporting system for analyzing consumption values of smart meters

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# Functions

## Using any meters for different resources

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- No limitation to any resources or meter types
- Using any meters (KNX, BACnet, Modbus, M-Bus, ...) from any resource (electricity, water, air, gas, ...)

## Analysis of consumption values

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- Collecting consumption values of smart meters
- Storing the data in a MS SQL database (10 GB data limit) – unlimited storage via MS SQL standard license possible (not included)
- Export of daily, weekly, monthly or yearly consumption as table or chart
- Comparison of values of different meters or from different time periods

## Calculation of costs

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- Calculation of costs of consumed resources based on cost rates (e.g. price per unit, base rate, ...)
- Comparison of calculations possible
- Export in different formats possible

## Hierarchical cost center structure

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- Cost centers are organizational units to which different meters are assigned
- Hierarchical organization of cost centers possible
- Additionally, assignment on a percentage base possible
- Performing of consumption and cost calculations based on the specified structure and the assigned meters

## Reporting

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- Displaying the results of the consumption and cost calculation as NETx MaRS documents
- Displaying of either consumption values or calculated costs
- Time period arbitrary
- Displaying multiple meters, cost centres or time periods in one document to compare costs or consumption
- Storing documents as templates for later re-use – saved configuration will be loaded but with actual values

## **Defining actions**

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- Defining actions like periodical sending of documents via e-mail
- Export of the files possible

## **Defining indicators**

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- Defining indicators is supported
- Indicators are data points, which influence consumption values, like room temperature
- Indicators are used as reference values

## **Virtual meters**

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- Adding virtual and physical meters possible
- Virtual meters are not assigned to a real device

## **User management**

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- Users can have different rights

# System requirements

## Hardware

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- PC - Intel or AMD - 1.8 GHz (multi-core recommended)
- RAM: 2048 MB
- Hard disk: 32 GB (64 GB recommended)
- Ethernet interface: 100 MBit/s
- Resolution: 1280 x 1024

## Supported operating systems

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- Windows 7 – SP1 (32 bit | 64 bit)
- Windows 8 (64 bit) | Windows 8.1 (64 bit)
- Windows 10
- Windows Server 2008 R2 (32 bit | 64 bit)
- Windows Server 2012 | 2012 R2 (64 bit)
- Windows Server 2016 (64 bit)

## Order information

Software	Max. number of measurement data points	Product-ID
MaRS Modul STARTER	15	S69.02.0.03.0001
MaRS Modul HOME	50	S69.02.0.03.0002
MaRS Modul BASIC	100	S69.02.0.03.0003
MaRS Modul PROFESSIONAL	250	S69.02.0.03.0004
MaRS Modul CUSTOMIZED	On request	

- NETx MaRS Module is part of the NETx BMS Server und not available separately.
- NETx MaRS Module is only available as softlock version, regardless of the bought NETx BMS Server version.

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