



- M-Bus readout: modem, serial connection, GPRS
- Radio readout with RadioSpherePDA: Wireless M-Bus, Prios, Wavenis, Sensus Scout
- Manual readout with RadioSpherePDA
- GPRS fixed network readout option
- XML files readout
- Customers database
- Meters database
- Predefined common reports, report builder for custom reports
- Interface for integration with other software

M-Centar is a Windows PC application for automatic meter reading (AMR) of water, gas, heat, electricity and other meters. M-Centar allows for several meter reading modes: M-Bus readouts, radio readouts with several supported protocols, GPRS, FTP, and manual readouts. With several specialized user interfaces for administration, data import and reporting, M-Centar is a basis of an advanced AMR system.

M-Centar is a software application used for remote reading of water, gas, heat (heat-meters and heat cost allocators), electricity and other consumption meters, with support for several meter reading scenarios. Besides acquiring information of the meter counter state, it enables the users to calculate the consumption of certain customers or meters in a certain timeframe (for billing or reporting purposes), maintain the customer and meter databases, and maintain walk-by or drive-by route lists. It comes with a built-in mechanism for information exchange with other software systems.

The versatility of M-Centar allows for several technical solutions for remote meter reading: remote readings of M-Bus networks with a GSM modem via GSM data call, automatic meter reading of fixed radio or M-Bus networks using GPRS and FTP protocols, direct M-Bus

reading using RS-232 connection, and walk-by or drive-by readings using RadioSpherePDA handheld device. And, of course, the remaining meters can still be manually read and the data manually typed into the software.

M-Centar can be automatically integrated with billing systems for automated data exchange. In this case, the list of meters which lack the necessary billing data is generated and delivered (for instance as an e-mail) to the employees responsible for handling unread or suspicious meters. In this way, the billing process is automated for all the meters except the ones with no readouts.

Databases

- Customers database
- Meters database
- Walk-by/Drive-by routes database
- Meters-Customers and Meters-Routes relationship editing

Multiple reading scenarios

- 2-way RadioSpherePDA synchronization
- M-Bus reading with GSM modem
- M-Bus reading with RS-232 cable
- GPRS fixed networks option
- XML files import

Report export formats: XML, XLS, TXT

Import/export tool for integration with other applications

System requirements

- Microsoft Windows 2000, Windows XP, Windows 2003, Windows Vista, Windows 7
- .Net Framework 2.0
- MS SQL Server 2005 or newer (MS SQL Express included in installation)
- USB port (for use with RadioSpherePDA, modem or USB/RS-232 cable)

The screenshot displays the 'M-Center' application window. The main area shows a table titled '15 - Radio meters consumption'. The table has columns for 'Consumption - Meter number', 'Consumption - Reading date', 'Consumption - Previous reading date', 'Consumption - Previous measurement unit', and 'Consumption - Previous reading'. The table contains multiple rows of data, including meter numbers like 00000000, 00000001, 00000002, etc., and consumption values like 2225, 2023, 1975, etc. The interface also includes a sidebar with navigation options like 'Administration', 'Data transfer', 'Reports', and 'Tools'.