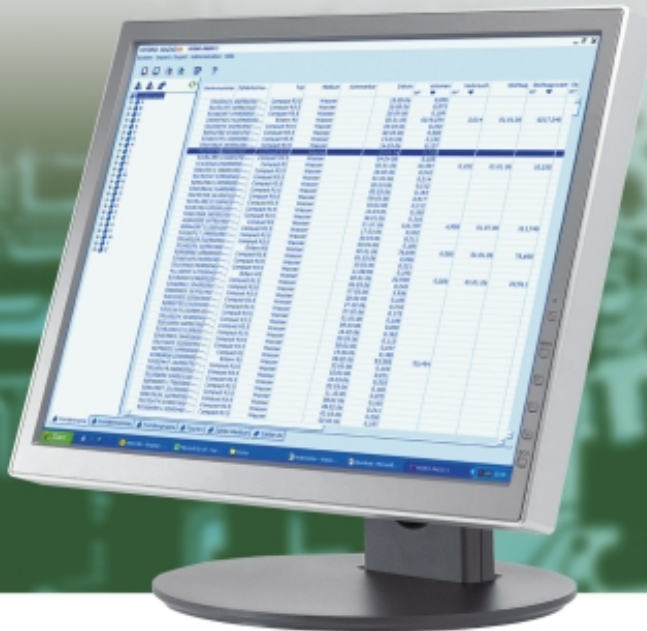


SOFTWARE



APPLICATION

IZAR@NET is an energy data management software, that is able to do automatic readings of M-Bus and Fixed radio networks. Additionally it is possible to manage tours and data of Walk-by and Drive-by meter readings. With specific adaptations data can e.g. be automatically exported into a billing software system.

FEATURES

- ▶ One software for managing radio and wired M-Bus reading systems
- ▶ Reading and remote reading of all types of resource meters in one system (water, energy, electricity, gas meters)
- ▶ Modular concept: software can be adapted to individual needs
- ▶ Possibility of software upgrades in the field
- ▶ Editing and visualisation of meter data in tables and diagrams
- ▶ Collecting meter data for consumption, flow and status monitoring
- ▶ Archiving of all meter data in a powerful Oracle® SQL database
- ▶ Modern client-server structure: software can be used simultaneously by several persons
- ▶ Possibility of alarm monitoring and actions

MORE FEATURES

IZAR@NET	
Meter replacement	Handling of manual meter replacements or replacements controlled by billing system
User interface	User friendly Windows-based user interface
Configuration possibilities	Individual table views with analysis function
Adaption possibilities	Fast access to key functions by adapting the toolbar and creating own buttons
Manual changes	Manual entry and changing of meters and meter counts
Data reduction	Wizard for data reduction (daily, weekly, monthly, yearly)
Data backup	Possibility to do data security backups

SYSTEM REQUIREMENTS

IZAR@NET	
Operating system	Microsoft Windows® (Windows 2003 Server, Windows XP SP2, Windows Vista Business Edition)
CPU	min. 2 GHz
Main memory	512 MB (1024 MB recommended)
Hard disk space	min. 4 GB
File system	NTFS
Screen resolution	min. 1024 x 768
Interfaces	2 free USB connectors
Drives	CD-ROM
Network connection	TCP/IP with static IP (no DHCP)

VERSIONS

IZAR@NET	
IZAR@NET 60	Software version for reading up to 60 measuring points
IZAR@NET 250	Software version for reading up to 250 measuring points
IZAR@NET 1000	Software version for reading up to 1000 measuring points
IZAR@NET 5000	Software version for reading up to 5000 measuring points
IZAR@NET unlimited	Software version for reading an unlimited amount of measuring points

NOTE: Orders for an IZAR@NET version must include at least one of the following basic modules. With other basic or additional modules the software can be adapted to your individual needs.

In general, for software training and installation you need the professional support from our service team.

BASIC MODULES

IZAR@NET	
IZAR@NET WALK & DRIVE	Supports direct USB connection to a HYDRO-/IZAR POCKET device and the organisation of Walk-by / Drive-by tours for reading / management of radio meters and customer data.
IZAR@NET FIXED	Supports data download from an FTP server that was uploaded via Ethernet LAN or GPRS from a fixed installed data concentrator (IZAR RECEIVER LAN/WLAN/GPRS or M-Bus Master IZAR CENTER).
IZAR@NET M-BUS	Supports direct connection via USB, RS232, Ethernet LAN or analog/ GSM modem connection to an IZAR CENTER M-Bus master. Possibility to do on demand meter readings or readout of IZAR CENTER Memory data.

ADDITIONAL MODULES

IZAR@NET	
IZAR@NET GRAPHIC & ANALYSIS	Illustration of up to 6 meter counts in a bar or line graph diagram for consumption monitoring. 3 diagrams can be displayed in one window, also with the possibility of an online mode. There is no limit to the number of windows.
IZAR@NET ALARM	Automatic creation of meter alarms for Fixed Network and M-Bus installations, visualisation on screen or transmission via SMS / email.
IZAR@NET MAPS	Visualisation of readings on a map via export to Google Earth® (Requirement: Google Earth® has already been installed before).
IZAR@NET IMPORT/EXPORT	Interface for import and export of meter and customer data e.g. from/to a billing software system (ASCII, Excel®, ODBC database connection).
IZAR@NET VIRTUAL METERS	Calculations of virtual meter values, e.g. summarize all sub meters from one building to one virtual main meter.
IZAR@NET EXTENDED DATABASE	Extension of limited (4 GB) Oracle® Express Edition (incl. in IZAR@NET) to unlimited Oracle® Standard Edition One database. Allows additionally a higher database performance.

NOTE: There is a standard adaption included in IZAR@NET MAPS and IZAR@NET IMPORT/EXPORT. Any specific adaptations required will be executed by our support team.

In case of specific adaptations software updates have to be executed by our support team.

The Oracle® Express Edition limit of meter data (4 GB) would be reached with the following configuration examples:

- Walk-by installation: 18,000 HYDROMETER SHARKY heat meters or 100,000 CORONA E water meters; reading interval: once per month; data storage: 10 years
- Fixed network installation: 3,000 HYDROMETER SHARKY heat meters or 17,000 CORONA E water meters; reading interval: once per day; data storage: 2 years
- M-Bus installation: 125 HYDROMETER SHARKY heat meters or 700 CORONA E water meters; reading interval: every 15 minutes; data storage: 0.5 years