

Data capture and analysis system

Aim

The main task is to develop client-server software, which provides energy and water metering data acquisition, evaluation and processing in real time. Several Windows services with partitioned distributed data exchange structure provide an effective and scalable solution for metering system. Reporting and presentation of data is provided by Windows standalone applications with intuitive graphical interface.

Solution

Data metering acquisition services using scheduler and OPC DA/HDA interfaces for metering data accessing at devices. Communication service provides a data exchange between clients and services, preprocessing service provides a data preprocessing and evaluation for further analyses and reporting. Standalone GUI includes visualization of original metering and evaluation data using charts and tables and data reporting.

Basic functions

- Registration information about cooperators.
- Document management system to store, register and manage documents.
- Creation of cooperator's database.

Technologies

SQL server, Oracle, XML files, ADO.Net, XML parsers, OPC, Windows 2000 Server.

Product Title

Data capture

Project Capacity

25 man-months