Head-End System
4GRID

Application

The 4GRID system is an integral part of an Advanced Metering Infrastructure (AMI) that enables the collection, storage, sharing, and presentation of data from electricity meters. In addition, the system enables remote meter configuration and control of data concentrator operations. The Head-End System has an application that allows users to monitor readings and filter concentrators and meters according to user-defined criteria. 4GRID ensures efficient system implementation and maintenance.

4GRID

- Support for up to 500,000 meters in a single installation
- Possible support for third-party meters and concentrators
- Possible integration with various external systems (e.g. MDM)
- Possibility to implement as a standalone solution, without a master system
- 4GRID View - user-friendly, clear and responsive web interface that enables:
    - monitoring and managing system operations
    - reviewing network topology
    - viewing reading statistics
    - generating reports
    - remote configuration and control of meters

System functionalities

- Register new meters (IP scanner)
- Read profiles, events, alarms
    - 15 min. energy profile
    - 10 min. technical profile (voltages/currents)
    - billing profile
    - event logs
    - alarm logs
- Retrieve missing data in the event of periodic communication losses
- Execute predetermined operations
- Synchronize meter time
- Calculate the effectiveness of reading data
- Generate reports according to a user-defined schedule

electricity