



The System Company for Energy Markets

Systems

Meter2SCADA

- ▶ Gateway for metering devices and systems to SCADA systems for easy integration of metering data in control and process automation systems
- ▶ Available as device with high available hardware or as software (service) for MS Windows Operation systems
- ▶ Supported device protocols
 - 1107, VDEW2 (IEC 62056-21)
 - DLMS (IEC 62056-46-53-61-62)
 - SML (SyM²)
 - ModBus RTU Master
 - MBus (EN 13757-3)
 - SCTM
 - miscellaneous manufacturer specific protocols
- ▶ Communication features
 - Point-to-point leased line (e.g. RS232/RS485/RS422/FO/MBus)
 - Point-to-multipoint leased line (e.g. RS485/RS422/MBus)
 - Serial over TCP/IP (LAN and GRRS fixed IP)
 - LAN and GRRS dynamic IP with IP-Telemetry (DIN 43863-4)
 - Push Target for IP-Telemetry (DIN 43863-4)
- ▶ Interfaces (up-stream)
 - IEC 60870-5-101 Slave
 - IEC 60870-5-104 Server
 - ModBus RTU Slave (serial and over TCP/IP)
 - OPC DA Server
 - M2S Link (cascading)
 - SQL Database Push
 - File Export (optional with FTP automation)
- ▶ Tools
 - Web interface with display of process variables
 - M2SConfig: Remote configuration (via COM or TCP/IP)
 - M2SComLog: Real time trace of data on serial and network interfaces
 - M2SMiniViewer: Real time visualisation of process variables (via COM or TCP/IP)
- ▶ Interfaces (down-stream)
 - OPC DA Client
 - M2S Link (cascading)
 - SQL Database Pull
 - File Import (optional with FTP automation)



Conclusion:

- ▶ Usage of the same data for billing and network management
- ▶ More measurement values for network control
- ▶ For generation, transmission and distribution

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