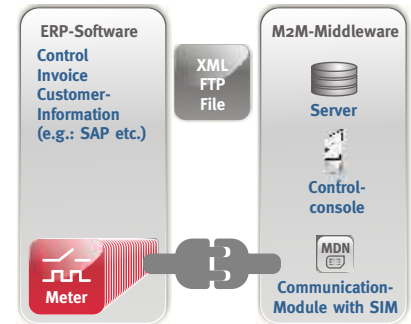


unlimited access to your data

Gas Meter Reading

Background

With myDatanet Microtronics Engineering GmbH has developed an innovative wireless measurement acquisition system which is suitable for a wide range of applications. Due to wireless measuring instruments and data transfer via GPRS the collected data is available via the internet in real time at any time.



Problem

Meters of different fabrication and types (e.g. interval counter) should be united in one central system of smart metering. So the gasman only needs access to the gas meter for calibration.

Solution

For the automated meter reading (smart metering) an intelligent communication module from myDatanet is used.

The meter reading is done automatically via GPRS. The data are recorded every 15 minutes and sent to the MDN server daily. So they are available via the internet for authorized personnel at any time. Therefore accurate billing detailed to a daily level even afterwards is possible.

Visits for meter reading are no more necessary. This helps to save costs and the end customers benefits from the better service: No more appointments for meter reading - even in case of change of tenants.

Due to the bidirectional system configuration and monitoring of the measuring points can be easily done via the internet. Equally fully automated is the export of data in any ERP-systems (XML, FTP, TSV, ODBC ...). Therefore fully automated billing would be possible.



Measuring Points

myDatalogEASY instruments are used for this application. There is no need of special Know How for mounting so the gasman himself can mount the instrument on the occasion of the last manual reading. It is also possible to connect several gas meter to one myDatalogEASY (e.g. in a block of flats). The energy consumption of the myDatalogEASY is very low. Therefore the battery can be changed when calibration is due.

Operating signals as device temperature and GSM field strength are also registered. Due to the integrated system alert e-mails and SMS are sent in case of device failure. So the safety is assured to be informed of failure of any device around the clock.

