

unlimited access to your data

Flow Metering In The Sewage

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.



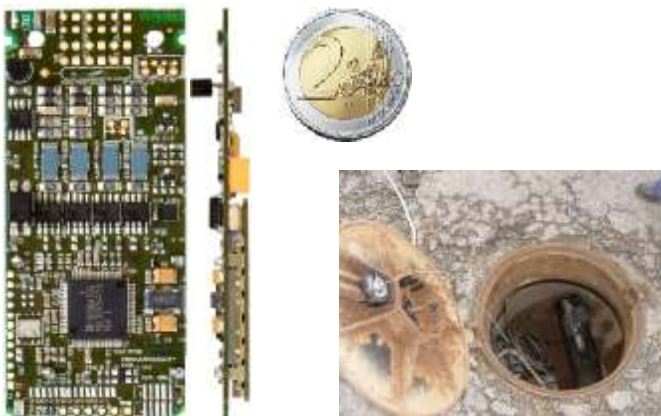
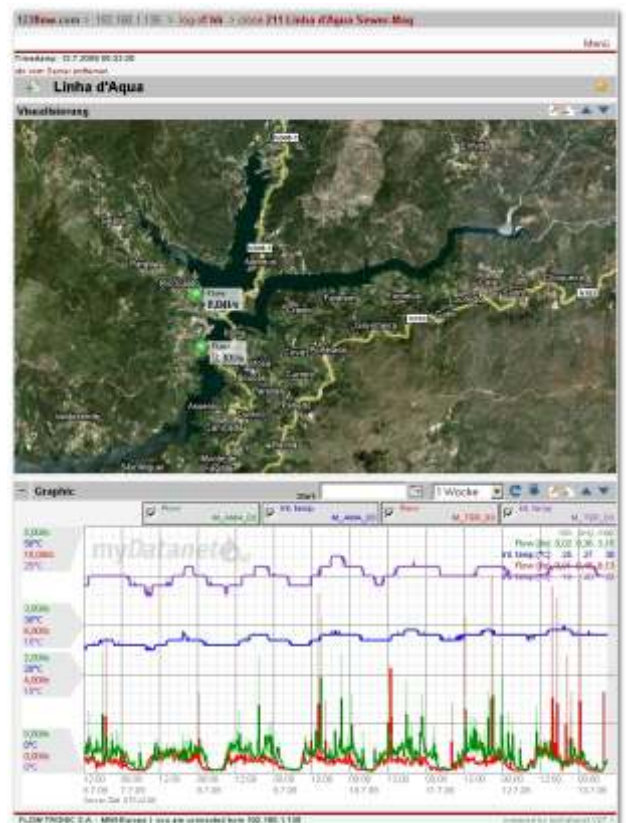
Problem

Flow-Tronic S.A./N.V. (Belgium) offers its customers a wide range of measurement instruments for current and flow for different applications: industry with aggressive effluent, waste water plants and sewers with a high share of solids, natural rivers, sewers or seawater.

For a Portuguese customer the flow in the sewage had to be controlled. The availability of the data at any time was of high importance.

Solution

The flow should not permanently be controlled but only representative data has to be acquired. Therefore 20 mobile instruments were used which has been installed for one month and than transported to another part of the region. On a survey map on the internet all measuring sites are illustrated by green lamps. All important information about the measuring sites can be viewed immediately in real-time by clicking on the lamp.



Measuring Points

For the measuring points myDatalogEASYpcb has been combined with mobile flow meter sensors. The myDatalogEASYpcb has been installed in existing instruments in order to make the flow rates available anytime and show the data in clear graphs. Also operating information like temperature, power supply and GSM field strength are collected.