

# Sewer/Channel Networks Monitoring



## CUSTOMER

- Company managing a sewer network containing 25 wastewater treatment stations and 51 measuring stations partly equipped with Flow-Tronic flow measurement instruments
- Network of 58 townships serving nearly 323.000 people

## TASK DEFINITION

- Difficulty to measure the flow due to the large area covered by the sewage network (58 townships) and the mountainous relief of the region
- The high slopes of the sewer channels increase the speed and decrease the level of the wastewater
- Sites have 2 important « high seasons » due to their touristic orientation (large variety of flow conditions)
- Necessity to comply with the needs and performances desired by the municipalities, as measuring velocity of flow for low water levels (below 5cm) limits the technologies to be used
- The reliability of the flow measurement systems is very important as the remotely collected flow data is used for monitoring, billing purposes, inflow or infiltration studies and to calculate taxes

## SOLUTION

- Radar non-contact technology permits to measure flow with very low level and high velocity, bringing high reliability and low maintenance reducing operation costs and travel times in the area covered
- Installation of RAVENEYE® non-contact radar flow meters to accurately measure flow, allowing the municipalities to get convincing values, even in extreme conditions. The data is transmitted directly from the UNI-TRANS™

