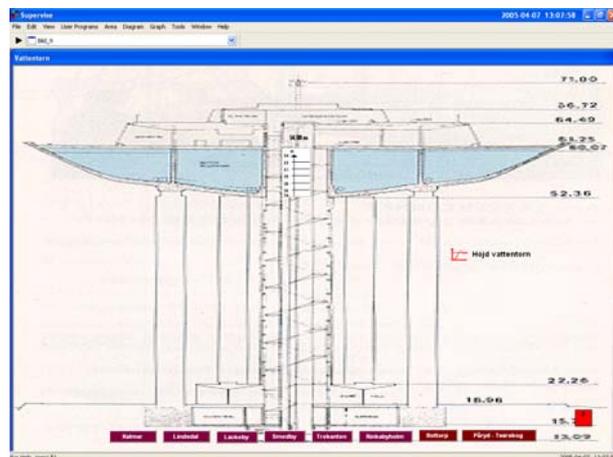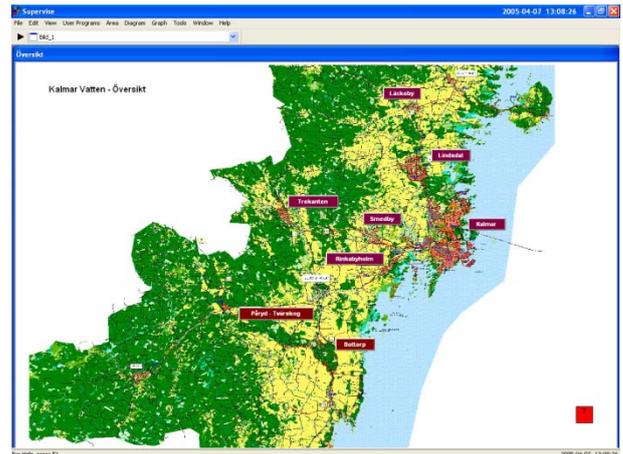# Kalmar Vatten och Renhållning AB

Sweden

System (Water and Sewage)

Kalmar Vatten and Renhållning Ab is responsible for the care and maintenance of all public water- and sewer lines in the municipality of Kalmar, a total of about 1,150 kilometers pipeline.

Water

Kalmar Vatten and Renhållning AB provides clean and healthy drinking water to citizens. Infiltrated water from the river Hagbyån combined with natural ground water in the Nybro ridge forms the raw water of Kalmar's drinking water supply. More than 90% of the citizens are connected to the public water lines, and about 6 million cubic meters of drinking water are delivered to citizens per year.

Raw water is pumped from water supplies into special lines over to the waterworks, where it is distributed through enclosed tubes as drinking water to consumers.

Operation, maintenance and renewal

In order to ensure stability in the distribution system, a rolling planning for operations, maintenance and renewal of existing water and sewerage networks is conducted. Surveys and field measurements are made regularly. Hydraulic calculations are made for both water and sewerage networks using software tools from 7T. IGSS is used for data collection and AQUIS is used for calculations in the pipeline and leak detection (IFM/NLM).

CUSTOMER CASE

Owner

Kalmar Vatten and Renhållning AB

IGSS

The system for data collection is a 600 object multiuser license with 2 operator stations. The IGSS server is installed on a Windows XP environment while the operator stations use Windows 2003 server running Terminal Services.

AQUIS

The simulation and computing program consists of three parts, Real-time, Historical and Offline. All three parts run on the same machine with Windows 2003 Server machine using Terminal Services.

Leak Detection (IFM/NLM)

The leak detection module uses online measurements from IGSS, to continuously make new analyses even though the module is actually installed on the AQUIS server.

System Integrator

Nelkab AB

Communication and maintenance manager

Bitcon AB