



# SYABAS – Upgrades to Real-Time

Kuala Lumpur, Malaysia

SYABAS is the concessionaire for water distribution services in Kuala Lumpur, Putrajaya and the federal state of Selangor in Malaysia. The company has recently purchased the full package of AQUIS Off-line and AQUIS Real-time software, which is to be implemented state wide.



SYABAS has consequently established a Hydraulic Modeling department with a staff of 10 to work full time with hydraulic modeling. The trunk main system will be running real-time to be monitored and operated from the operator room side by side with the future SCADA system.

Meanwhile, detailed and strategic models of the reticulation system for the 10 districts are being built. This work is being done in order to curb the Non Revenue Water (NRW), which is currently at about 32%. The goal is to bring the NRW down below 15% by 2013.

Furthermore, the models are being used to generate an overview of the hydraulics as well as the water quality of the entire distribution system. Having a total of 24,000 km pipelines and about 1,000 reservoirs it is only possible to gain the full overview by using AQUIS . The models will help SYABAS to plan for future developments and pipe replacement projects in the rapidly growing urban and rural areas of Kuala Lumpur, Putrajaya and Selangor.



## System integrator

ALECTIA is system integrator.