



SynerGEE Water OnLine Module

Transfer Data into SynerGEE

The SynerGEE® Water OnLine Module (OLM) allows you to automatically transfer operational and reference data from your SCADA system into SynerGEE to perform steady-state and time-varying network simulations. Let OLM help you:

- Provide operator decision support
- Generate extended-time model data
- Supplement SCADA data
- Automate simulation and results generation using many sets of operating data

OLM looks for an updated set of operational and reference data, including hydraulic and water quality parameters, at a predefined location and frequency. The data loads into SynerGEE through a comma-separated value (CSV) file import, and the new operating condition simulation is performed automatically. OLM and SynerGEE communicate with each other so OLM can make online simulation control decisions based on the model's state within SynerGEE. Model results can be used to generate alarms and to alert you to system anomalies. The results of both successful and unsuccessful simulations are archived.

Get Useful Results

Results from SynerGEE can be transferred to a database. You can select and graph system parameters in the database to assist in system monitoring, decision making and forecasting.

Operating data will be archived in a suitable format so that past operating conditions can be used as the basis for off-line simulation of a particular event or an extended period of network operation.

Benefits

OLM provides many benefits in both the off-line and online modeling environments, including:

- Faster recognition/response to system anomalies and emergency situations
- SCADA data quality testing/assurance
- Improved timelines and confidence in modeling data and calibration
- Improved system operations through better information and reporting
- Better interdepartmental staff activity coordination

GL Industrial Services

Holywell Park, Ashby Road, Loughborough

Leicestershire LE11 3GR, UK

Phone: +44 1509 282000

Fax: +44 1509 282525

water@gl-group.com · www.gl-group.com/water

