

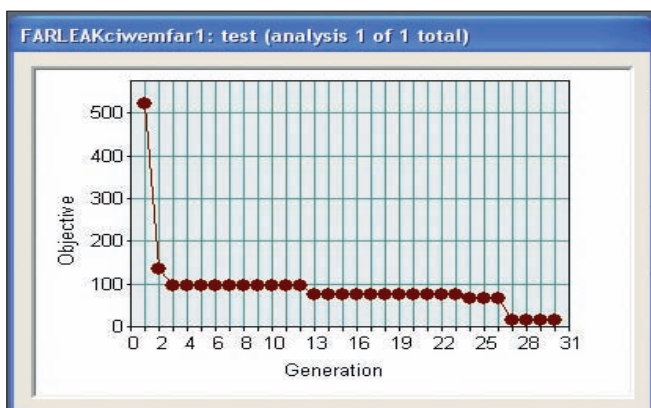
SynerGEE Water Calibration Module



SynerGEE® Water's Calibration Module provides you with the ability to significantly reduce the time and money it takes to calibrate a model. The Calibration Module uses sophisticated genetic algorithm technology to evaluate thousands of possible calibration scenarios and move toward a solution. Calibration of pipe friction, roughness and diameter, as well as system demands including leakage, can be performed for user-defined groups, areas or whole models.

Field Test Data

Field and SCADA data can be quickly imported through SynerGEE's enhanced data exchange capabilities. Reference sets are created to allow you to group data for time periods or areas and apply them individually or in groups to calibration analyses.



Calibrate

SynerGEE makes creating calibration runs easy. Each run is retained in a scenario that you can return to, edit and rerun at a later date. SynerGEE provides you with a choice of calibration methods to allow you to evaluate the sensitivity of a particular attribute or complete macro, micro and specialized leakage calibrations.

With each calibration, you control the process's effectiveness, determine field measurement calculation impact and define solution windows that stop the calculation when a suitable solution is reached. Calibration runs can be batch processed to reduce user interaction. Individual models can be run with different settings or multiple models run in sequence for later review.

Compare results

You can quickly compare different calibration solutions with observed field data through SynerGEE's powerful new graphing and reporting capabilities. When you obtain an acceptable calibration, you can commit the results to the base model or store them as a scenario for future use.