

SynerGEE Water Reliability Analysis Module



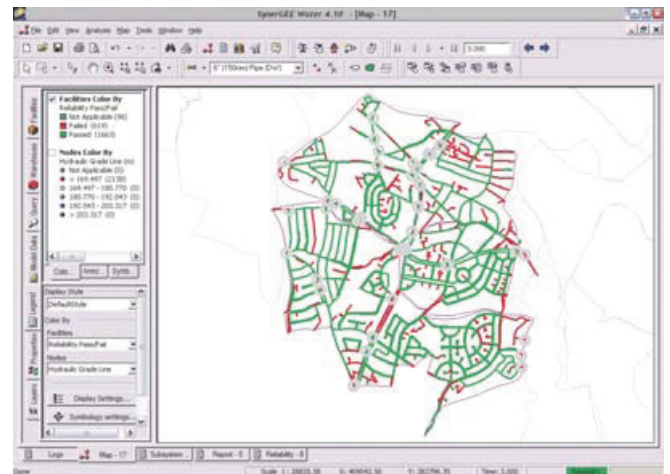
Assess System Behavior

The SynerGEE® Reliability Analysis Module enables you to determine how your system will respond to pipe failure and measure the resulting impact on your system's water supply. You can run analyses using steady-state peak hour analysis or time-varying analysis to find the impact of failure on every facility within your system or within a selected subset. Using these results, you can determine your ability to deliver the required demand at each node.

Reliability Analysis also helps you simulate the importance of different pipes in meeting system demand by allowing you to remove a pipe, indicating a failure, and solve the model. Every analysis generates a score between 0 and 100 for each pipe within the model or selected subset and identifies the pipe as having either 'failed' or 'passed' the analysis. The analysis ranking enables you to measure the importance of selected pipes within your system.

View Results

Results for both steady-state and time-varying analysis are automatically displayed in the results log. You can also review selected reliability analysis data including the number of impacted customers, pipe reliability score, pass/fail identifiers and the requested or supplied demand or volume calculations using SynerGEE's map annotations, color-bys and charts.



Increase Performance

SynerGEE's Reliability Analysis Module significantly reduces the time required to assess the impact of pipe failures and report on pipes' strategic value within your system. It enables you to evaluate the service of assets throughout your system and generate consistent, auditable results. Reliability Analysis Module provides unique insight into network performance and risk that can be used to drive greater value from your assets.