

# EDAMS Network Analysis

Water/Sewer



## Accurate calibration and dynamic modelling and analysis of water and sewer distribution networks

*EDAMS Network Analysis* brings you all the tools you need for fast and effective network design, analysis and optimisation. Its easy to use graphical interface and strong visual tools combined with its support for digital terrain modelling make it a uniquely powerful, yet intuitive, network analysis system.

*EDAMS Network Analysis* is available in two versions – *Water* and *Sewer*. Both share a common architecture based on industry-specific methodologies developed by EDAMS Technology over the last twenty years, but offer feature-sets reflecting their target fields.

Tightly integrated with other Utility

products in the EDAMS Management Systems range, both *EDAMS Network Analysis Water* and *Sewer* provide extensive growth paths.

### Powerful Modelling Tools

*EDAMS Network Analysis* enables you to easily and accurately model a network of any size and complexity under any scenario. You can identify and design cost-effective system improvements, increase customer levels of service, and balance design and operational objectives.

With *EDAMS Network Analysis* you can model and analyze networks with the familiarity and ease-of-use of a Windows-based operating system.

The system allows you to establish complex control arrangements for network components so you can edit and model any possible operational scenario.

Using the system's built in Digital Terrain Modeller (DTM), you are also able to view modelling scena-

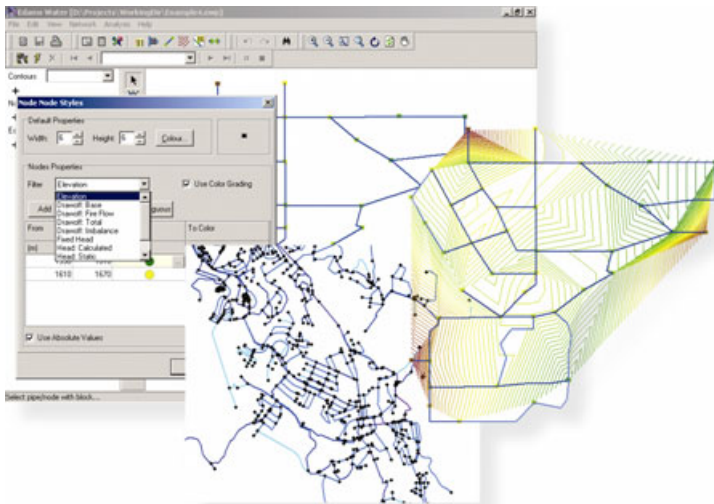
rios from a number of different graphical perspectives, with changes made to one representation simultaneously updated across all models.

### Flexible Data Handling

Data can be manually captured or imported from ASCII files or *EDAMS Network Asset Management*. Network elements can then be manipulated in a schematic form - where component attributes are specified - or in a true-to-scale geographical representation displaying actual coordinates and pipe lengths.

The visual appearance of pipes, nodes and other network elements can be intuitively defined. Network elements are displayed thematically with colour values representing user-defined variables. Different views of nodes, pipes and contours can be saved together and several network views can be displayed in separate windows.

The built-in DTM will generate contours automatically if external ground elevations data are available in ASCII format. If no such data exists, it will generate contours from manually entered node elevations. Such contours can represent demand, pressure and head as well as elevation, in the case of water networks, or the loads on sewers and manholes.



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