SOLE PIPING

Sewerage & Water Supply Design Software

Sewer Network Design, Water Supply Analysis & GIS Integration

Overview

SOLE Piping is a comprehensive modeling software program for the design and analysis of sewer and water supply. It is the only software that has the capability to design both sewer & water supply in a single package. Its intuitive interface makes it easier to create and edit pipe networks quickly. SOLE Piping has inbuilt facility to work with satellite imagery from providers like Google Earth, Bing Maps, OpenStreetMap and more, so you can directly work or present your project on the real world.

Sewer Network Design
Auto-calculate pipe sizes, slopes, invert levels & hydraulics

Water Supply Analysis
Loop, Branch & EPANet integration for industry-standard design

Satellite Imagery
Google Earth, Bing Maps, OpenStreetMap integration

L-Section Generation
Detailed longitude section with pipe parameters

Contour & DTM Plans
Smooth contour drawing & automatic DTM generation

Full AutoCAD Support
Open, edit & save .DWG files natively

Applications

>> Sewerage Network Design   >> Water Supply Distribution   >> Municipal Infrastructure

>> Drainage & Stormwater   >> Pipeline Engineering   >> Urban Planning & GIS

1   Sewer Network Design

- >> Automatically calculate pipe size as per industry standard
- >> Standard & user-defined pipe slope configuration
- >> Calculate flow, capacity, velocity, flow depth & other parameters
- >> Automatically crown-matched pipes for different sizes
- >> Automatically calculate pipe parameters & show on drawing

2   Water Supply & Analysis

- >> Generate input files for Loop, Branch & EPANet
- >> Read output from Loop, Branch & EPANet
- >> Project can be compared or tested on Loop & EPANet
- >> Design structure automatically applied on CAD drawing
- >> All analytical reports exported to Excel

3   GIS & Satellite Integration

- >> Download large georeferenced satellite imagery into drawing
- >> Works with Google Earth, Bing Maps, OpenStreetMap, Yahoo Map
- >> Read Google Earth elevation of specified area or objects
- >> Import/Export Google KML files and CAD drawings
- >> Grid-based quantity calculation

4   CAD, Contour & Output

- >> Generate detailed L-Section for pipe networks
- >> Draw smooth contour at user-defined intervals
- >> Automatically generate DTM plan from survey data
- >> Very easy & fast way to design pipe network
- >> Full CAD Editor with comprehensive drafting tools

Industry Coverage

Sewerage: Network Design, Hydraulic Analysis   **Water Supply:** Distribution, Loop & EPANet Analysis

GIS & Mapping: Satellite Imagery, KML, Elevation   **Output:** Excel Reports, AutoCAD .DWG Support

Complete Sewer & Water Supply

The only software that designs both sewer and water supply networks in a single package — eliminating the need for multiple tools and reducing project complexity.

Industry-Standard Analysis

Integrates with Loop & EPANet for static and dynamic modeling. Auto-calculates pipe sizes, slopes, velocities, and hydraulic parameters per industry standards.

GIS & Real-World Integration

Work directly with satellite imagery from Google Earth, Bing Maps & OpenStreetMap. Import/export KML files and read terrain elevation data for accurate design.

Future-Proof Technology

Built with modern programming tools and an evolved architecture, SOLE Piping is designed to grow with emerging technologies and your evolving project needs.

Who It's For

>> Municipal Corporations & Urban Planning Bodies

>> Civil Engineers & Piping Design Professionals

>> Water Supply & Sewerage Departments

>> Infrastructure & Construction Companies

>> Environmental & Public Health Engineers

>> Consulting Engineers & Project Managers

Get Started with SOLE Piping

Ready to transform your sewerage & water supply design? Contact us today.

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