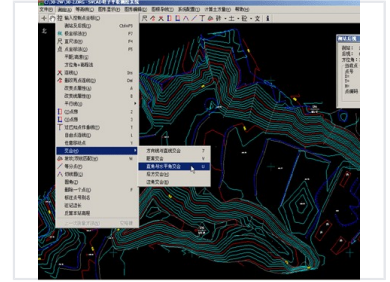


3D Surveying and Civil Engineering CAD Software

This CAD software is designed for surveying and civil engineering applications. It includes functionalities for geometric calculations, editing point properties, and annotating drawings with labels and dimensions, as well as calculating earthwork volumes.



Overview

Professional 3D CAD Solution for Surveying

This specialized CAD software is designed for surveying and civil engineering applications, offering a robust suite of tools for 3D geometric calculations and earthwork volume analysis. It streamlines the process of inputting control point coordinates, calculating distances, and performing complex intersections or resections. With its intuitive interface for drawing, annotating, and editing point properties, it serves as a comprehensive digital plane system for precise engineering projects.

Core Functionalities

Surveying Capabilities

- Control point coordinate input
- Distance and elevation calculations
- Intersection and resection functions
- Earthwork volume calculation
- Station and back-sight management
- Azimuth and elevation calculations

Design & Editing Tools

Drawing & Editing Tools

- Point property editing
- Line and curve drawing
- Label and dimension annotation
- Parallel line creation
- Point movement and deletion
- Alias and point number labeling

Technical Methods

Calculation Methods Supported

Polar Method, Right Angle Method, Intersection Method, Resection Method, Distance Intersection, Horizontal Angle Integration

System Specifications

System Type

3D CAD • Electronic Plane System • Civil Engineering Software