C-Soft

Authorised Bentley Systems channel partner
Visakhapatnam, India

PLAXIS

Geotechnical analysis software

from Bentley Systems

Model how soil and rock behave, and check foundations, excavations and slopes before construction begins.

What is PLAXIS?

PLAXIS is Bentley's geotechnical software for analysing how soil and rock respond to loads, water and construction. Engineers use it to predict ground movement and stability for foundations, excavations, tunnels, slopes and embankments, so designs can be tested and improved on the computer before work starts on site.

What it does for your projects

Finite element analysis

Model stress, strain and deformation of soil and rock, including how the ground interacts with structures.

2D and 3D in one family

Start with a 2D cross-section and convert it to 3D when the site needs a full three-dimensional view.

Slope stability

PLAXIS LE checks slope stability and groundwater seepage, with probability and sensitivity analysis.

Many soil models and standards

Represent a wide range of soil types, supports and loading conditions, and work to common design standards.

Groundwater and consolidation

Analyse groundwater flow and consolidation alongside deformation and stability.

Share results with partners

A free Output Viewer lets colleagues and clients review calculated results without a commercial licence.

PLAXIS

Where it is used and why engineers choose it

Typical uses

Foundations and excavations

Deep excavations, retaining walls, piles and foundations, including tower and offshore wind foundations.

Tunnels and underground

Tunnelling and underground works, and how the surrounding ground responds to construction.

Slopes, embankments and dams

Slope stability, embankments and tailings dams, with groundwater taken into account.

Why engineers choose it

- Check ground behaviour and stability before construction begins
- Compare design options quickly with consistent models
- One software family, from simple 2D checks to complex 3D problems
- Connects with Bentley tools such as ProjectWise and OpenGround
- Tutorials and learning resources available from Bentley

The PLAXIS family and connected tools

PLAXIS 2D | **PLAXIS 3D** | **PLAXIS LE (2D and 3D)** | **Free Output Viewer** | **ProjectWise** | **OpenGround**

How C-Soft helps

- Advice on the right PLAXIS edition (2D, 3D or LE) for your work
- Supply of genuine Bentley software
- Set-up, training and ongoing support from our Visakhapatnam office

Bentley®

Bentley Systems partner

Request a demo or a quotation

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