

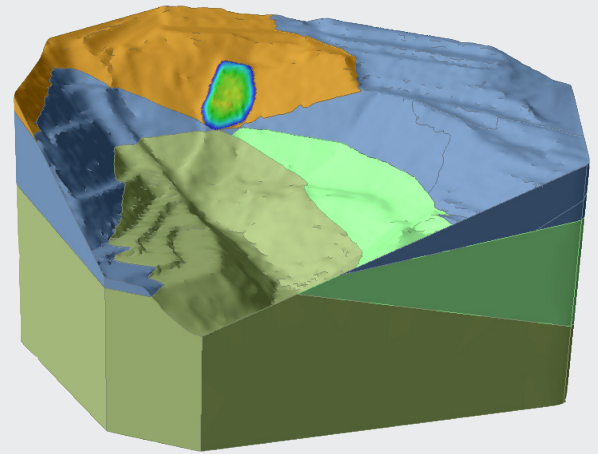
What is Slide3?



Slide3 is a tool that allows geotechnical engineers to calculate the factor of safety of complex geometries that 2D models cannot fully simulate. Model advanced geometries like landslides, MSE walls, slopes supported by soil nails, and more.

With Slide3, users can calculate failures in any direction without the need for defining the direction in advance, increasing efficiency in modeling and analysis.

Computing large models can take time, but with advanced parallel processing, Slide3 runs analyses over 10x faster than competitors.



Use Slide3 to model complex 3D geometry.

What's New in Slide3

Geometry Repair Tool

This tool has been added to the Import Geometry process and enables users to fix defects in imported geometry directly in Slide3, negating the need to use external third-party repair software.

Collapse Small Volumes

A new Collapse Small Volumes function has been added to allow users to identify and collapse small volumes in the geometry.

Fully Integrated Multi-Section Analysis with Slide2

The addition of a new Section tool enables 2D analysis of multiple planar sections of a 3D model via a single automated process. Slices are packaged into a single file and the Slide2 computing engine is automatically invoked to perform a 2D analysis. Results are read back into Slide3, and the global minimum surfaces and factors of safety are displayed in 3D.

New Wedge Shape Slip Surface

A new slip surface type has been added to enable searching for wedge-shaped failure surfaces using the Cuckoo or Particle Swarm search method. This option enables the handling of a range of block-shape slip surfaces that previous versions couldn't address using the simple Multi-Surface type.

Integrated Radar Sensor Deformation Monitoring Data

Users can now import deformation monitoring data obtained from a radar scan of their site to overlay radar map data on modelling results in Slide3. This integration enables advanced calibration and refinement of model input parameters, resulting in higher reliability from the program's numerical models.

Plans & Pricing

Single (Personal) License: Locked to one computer.

- Ownership (Perpetual): **USD \$8995**
Purchased outright
- Lease: **USD \$4995/year**
Leased annually. Incl. maintenance & upgrades

Multi (Flexible) License: Installed on any number of machines. The license file sits on the server.

- Ownership (Perpetual): **USD \$12995**
Purchased outright
- Lease: **USD \$6995/year**
Leased annually. Incl. maintenance & upgrades

Maintenance Plan

To get the most out of your Ownership License of Slide3 we recommend the Rocscience Maintenance Plan, purchased annually at 15% of the license cost.

With Maintenance, you get free upgrades to new product versions. You'll never invest in a tool without access to the latest software.

You also get unlimited access to high-quality, timely support from the technical experts at Rocscience.

Contact us at software@rocscience.com

Analysis Methods

- Bishop
- Janbu
- Spencer
- GLE with intercolumn force function

Computation

- Very fast compute engine
- Metric or imperial units

Data Interpretation

- View 3D global minimum slip surface
- View all slip surfaces
- View contour plots of analysis data on slip surface (e.g. stress, strength, pore pressure)
- View safety maps on the surface of the model or on cutting plane through your model
- Show support forces
- Data tips for any object
- Annotation and dimensioning tool kit
- Export to Excel
- Export image files

Loading

- Point loads
- Distributed loads (uniform or variable)
- Seismic loads

Modeling

- Create 3D models with CAD tools
- Import 3D surfaces with .dxf, .dwg, .obj, .stl, .step, .iges, .tin, .asc, .xyz files
- Borehole data entry
- Construct geometry profile from borehole data
- .dxf import / export
- One-click material assignment
- Import RS3 files
- Import 2D to 3D (*Slide2* or *RS2*)
- Export 2D planar section (*Slide2* or *RS2*)
- Interactive sidebar
- Slope wizard (create simple slope models with a few mouse clicks)
- Collapse small volumes
- Mining coordinates
- Geometry Repair Tool

Pore Pressure Definition

- Water surfaces (water table or piezo line)
- Water pressure grids
- Ru coefficients
- Import pore pressure grids from *RS3*

Search Methods

- Auto-refine search
- Cuckoo search
- Grid search
- Particle Swarm
- Surface Altering Optimization
- Automatic 3D failure direction determination
- Slope limits (inclusion or exclusion zones)
- Surface filter options

3D Slip Surface Shapes

- Spherical
- Ellipsoidal
- Spline surface
- Composite
- Wedge

Seismic Options

- Pseudo-static analysis
- Staged pseudo-static analysis

Advanced Features

- Excess Pore Pressure
- Rapid Drawdown Analysis
- Unsaturated shear strength
- Anisotropic Regions
- Tension Cracks

Strength Models

- Mohr-Coulomb
- Undrained
- Infinite Strength
- Anisotropic Strength
- Shear/Normal Function
- C/Phi Function
- Generalized Hoek-Brown
- Vertical Stress Ratio
- Barton-Bandis
- Power Curve
- Hyperbolic
- Discrete Function
- Drained-Undrained
- Generalized Anisotropic
- SHANSEP

Support

- Active vs. passive anchors
- Easily define/edit patterns
- End-anchored bolts
- Geotextiles
- Grouted tieback
- Grouted tieback with friction
- Piles and micropiles
- Soil nails
- User-defined

