# Oasys | GEOTECHNICAL

The perfect choice for 2D slope stability analysis

Slope is a versatile tool for your everyday engineering slope stability problems.

### Powerful, flexible analysis to suit your needs

Slope is an easy and accurate way to study a slip surface, find factors of safety against failure, and analyse improvements from reinforcement. Performing 2D slope stability analysis using the method of slices, Slope presents results in a clear graphical format.
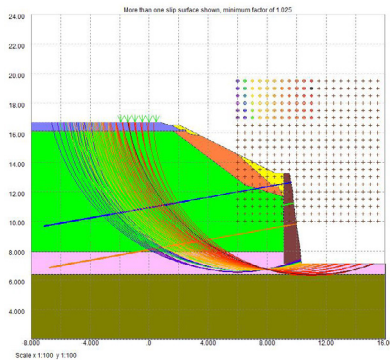
Concrete Wall

As an everyday engineering tool, Slope has can handle a wide range of slope stability problems. Offering a variety of established methods for calculating interslice forces, start your analysis by selecting from from Fellenius or Swedish slip circle analysis, the

Bishop horizontal method or the constant inclined method. For noncircular slip surfaces, Slope provides the equivalent Janbu methods.
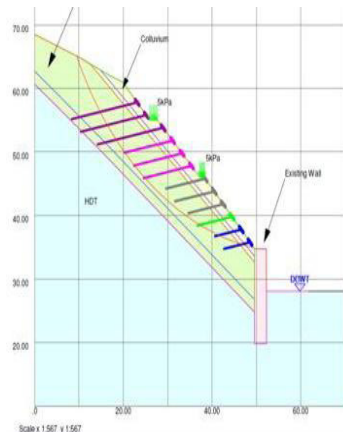
Nailing

How Slope works

Slope includes a variably inclined interslice force method that ensures each slice is in equilibrium, both vertically and horizontally. Partial factors can be applied by the user and Eurocode 7 partial factors have been incorporated into the program. This essential slope software analyses reinforcing elements such as soil nails, rock bolts, ground anchors and geotextiles to BS8081/EC3. Specify water pressure, material shear strength, surface loads and horizontal ground acceleration, seepage analysis to name but a few features. Slope checks a
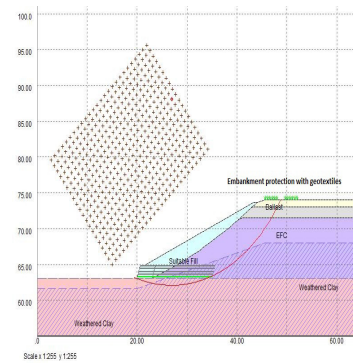
Geotextile

range of slip circles and with the option to force slips through a point or keep them tangential to a strata. When dealing with soils as standard, Slope is the perfect choice for fast and effective 2D slope stability analysis.

Contact oasys@arup.com for more information.

Benefits

- Everyday tool for slope stability problems.

- Intuitive software allowing fast data input.

- Comprehensive post-processing with detailed reporting and graphical outputs.