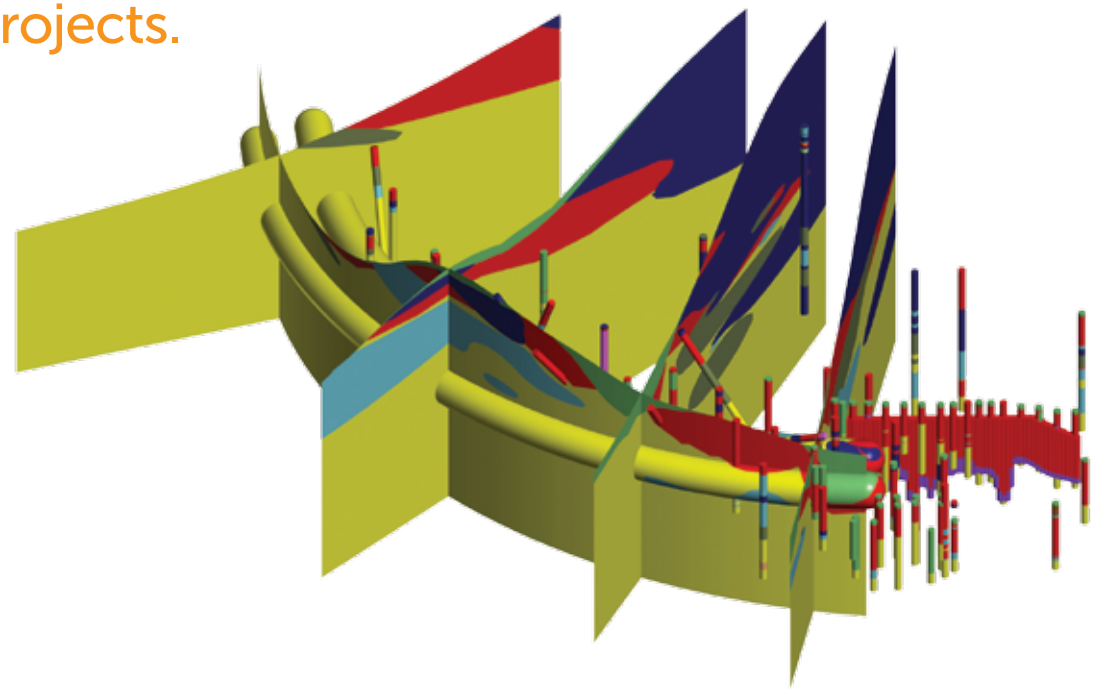
LEAPFROG

leapfrog®

FAST, DYNAMIC GEOLOGICAL MODELLING

LEADING GEOLOGICAL MODELLING FOR CIVIL ENGINEERING PROJECTS

Leapfrog. Leading geological modelling for civil engineering projects.



With Leapfrog you can reduce risk in your civil engineering projects through accurate geological modelling.

We understand that civil engineering projects are complex.

Are your geologists able to easily transfer models to the rest of the project team? We can help make risk analysis their focus instead of manually and repetitively creating surfaces.

How confident are you in your geological model? Have you evaluated more than one scenario, or compared the best and worst case?

How up-to-date is your geological model? Is it keeping abreast with project execution? Are you quantitatively using all that data you are collecting and as soon as you collect it?

Can you easily share and explain your model to clients and stakeholders? Can you illustrate what decisions you made and their impact on the model?

Are the tools you use for geology intuitive and efficient?

Direct from data modelling

Data driven modelling aides keeping models up-to-date during project execution

Unrivalled processing power

Model highly complex geology with ease by harnessing over one million data points

Leapfrog. Dynamic modelling of challenging geology and site conditions

1 Reduce costs

Quickly arrive at more robust models that reduce risk, improve productivity during modelling, as well as optimizing data collection plans.

2 Be more productive

Focus billable time on evaluation and analysis, not data processing and software manipulation.

3 Audit & justify decisions

Improved transparency: Leapfrog's methodical approach to modelling means you can easily show how models are built.

Workflows are auditable and self-documenting, so you can communicate how and why decisions were made. Review, audit and justify the decision-making process.

4 Increase confidence

Leapfrog's powerful engine allows exceptionally fast construction of geological models. Rapidly model and test alternative hypotheses like never before, for increased confidence and transparent risk analysis.

Add the latest information available and the model updates for fully informed decision making.

Productivity and skill are developed exceptionally quickly, thanks to Leapfrog's intuitive design and workspace.

5 Intuitive & organised

Leapfrog utilises workflows that match the way geologists build and update models to ensure consistency.

6 Visualise & understand

Stand back and see the big picture with the most exceptional 3D graphics available, or dive into the detail.

Easily and confidently share this information with customers and stakeholders, for speedy communication and buy in.

Improve confidence & clarity

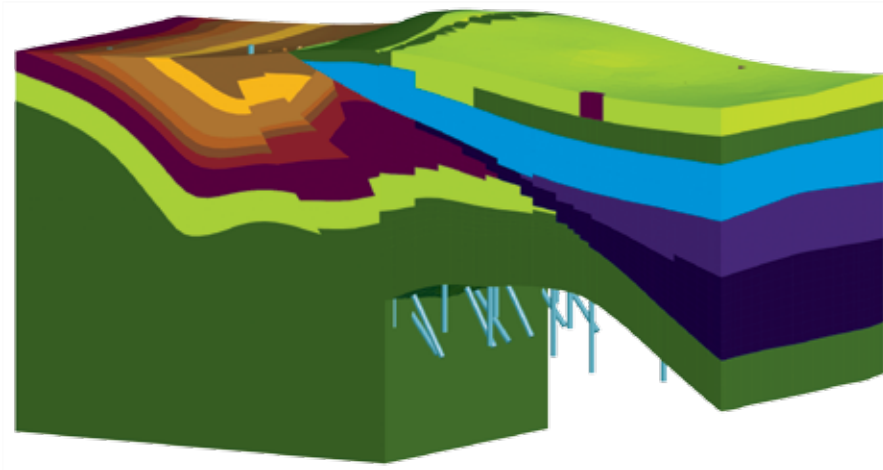
Improve geological understanding by duplicating models to test various hypotheses

Improve efficiency & access

Save time and frustration with logical workflows and a beautifully simple interface

Leapfrog for geological models you can rely on

Leapfrog provides the flexibility to robustly model many project challenges you'll face, including tunnels, metros, roads, dams and contaminated sites.



Folded and faulted geology and a FEFLOW model

Features

Interlocked geological models

Construct interlocking geological models based on a central surface chronology. Set the geological sequence to determine the way Leapfrog assembles the model.

Visualize in minutes

Load well data, GIS information, design files and more, immediately gaining improved insight.

Interoperability

Use all the data available for your geological model and integrate it to support the development of robust engineering solutions.

Fast modelling of structurally complex systems

Model fractures and faults as well as folded and faulted stratiform lithologies.

Importing & exporting freedom

Streamline established workflows using Leapfrogs many import and export formats.

Database support

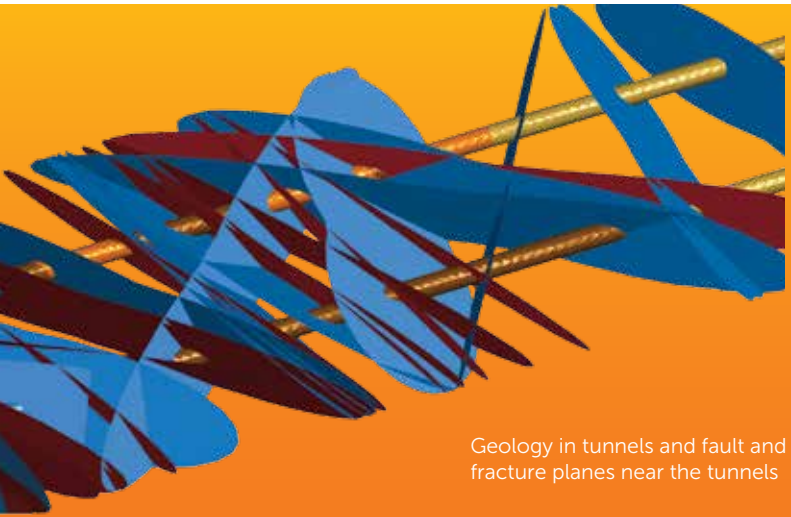
ODBC connections for well data, and many other data types, for increased data security.

Licensing options

Flexible licensing options are available to match the way you and your organisation use Leapfrog.

Training & support assistance

Training and support is available to quickly get you up to speed. Extensive on-line learning opportunities.



Geology in tunnels and fault and fracture planes near the tunnels

Experience Leapfrog

Contact your local Leapfrog team to experience the latest and best in geological modelling.

www.leapfrog3d.com/contact.