



LEAPFROG GEO

SALES BATTLECARD

For internal use only

Sales Opportunity

Initially launched in February 2013, Leapfrog Geo is Seequent's flagship implicit modelling solution for geologists in the Mining industry. Leapfrog Geo integrates what would normally be disparate data sets together in a rich 3D environment so the Implicit Modelling Engine can produce realistic geoscience models. Leapfrog Geo was the 64bit, geological workflow-based successor to Leapfrog Mining, Seequent's original 'toolbox-style' implicit modelling package.

Leapfrog Geo works primarily with downhole drillhole data, but also integrates mapped, GIS, topographic and structural data to produce Geology Models, Structural Models, Faulted Models, Alteration, Numeric and Resource Models in triangulated, blocked and 2D formats. Leapfrog Geo's success has risen to a level where it has become the standard geosciences modelling package for the majority of the world's top 25 mining companies.

Leapfrog Geo is available with several optional modules including [Hydrogeology](#), [ioGAS Link](#), [Maptek Link](#) and more recently [Leapfrog Edge](#).

Due to the fact that Leapfrog Geo plays a role across the entire value chain and can benefit all sizes of mining and mineral exploration company, then there is an opportunity to include Leapfrog Geo in EVERY customer conversation we have.

Elevator Pitch

Leapfrog Geo 3D implicit modelling allows modellers to build direct from data in days, not weeks. New data can be quickly added, keeping models up to date and up to speed with project lifecycles. Seeing and working in 3D brings instant clarity and aids understanding and means users can easily communicate and collaborate and not just with specialists. But Leapfrog Geo is much more than implicit modelling, the data analysis tools have changed how geologists look at and work with data. Fast and easy to learn, expect to be up and running in no time and expect to save time or spot potential problems early on, avoid lengthy delays and unexpected costs and quickly capitalise on opportunity.

Strapline

Leapfrog Geo – Setting the standard in 3D Geological Modelling



Key messages

Improve geological understanding. Leapfrog Geo's advanced implicit modelling engine allows for exceptionally fast construction of geological models, giving geologists time to be scientists and test alternative interpretations to improve their understanding of the geology.

Make better decisions. Add the latest data available to Leapfrog Geo and your models will update automatically, for informed decision making with the most up-to-date information.

Be more productive. Leapfrog Geo has workflows that match the way geologists build and update models. This ensures consistency and improves efficiency. Training time is significantly reduced due to the intuitive and visual workspace. Learn the fundamentals in just 2 days.

Audit & justify decisions. Leapfrog Geo's methodical approach to modelling means you can easily see how models were built, and the decisions that were made at each step. Workflows are auditable and self-documenting.

Visualise & understand. Visualise all your various data in one place with exceptional 3D graphics. Stand back and see the big picture, or dive into the detail. Easily and confidently share this information with others for effective communication.

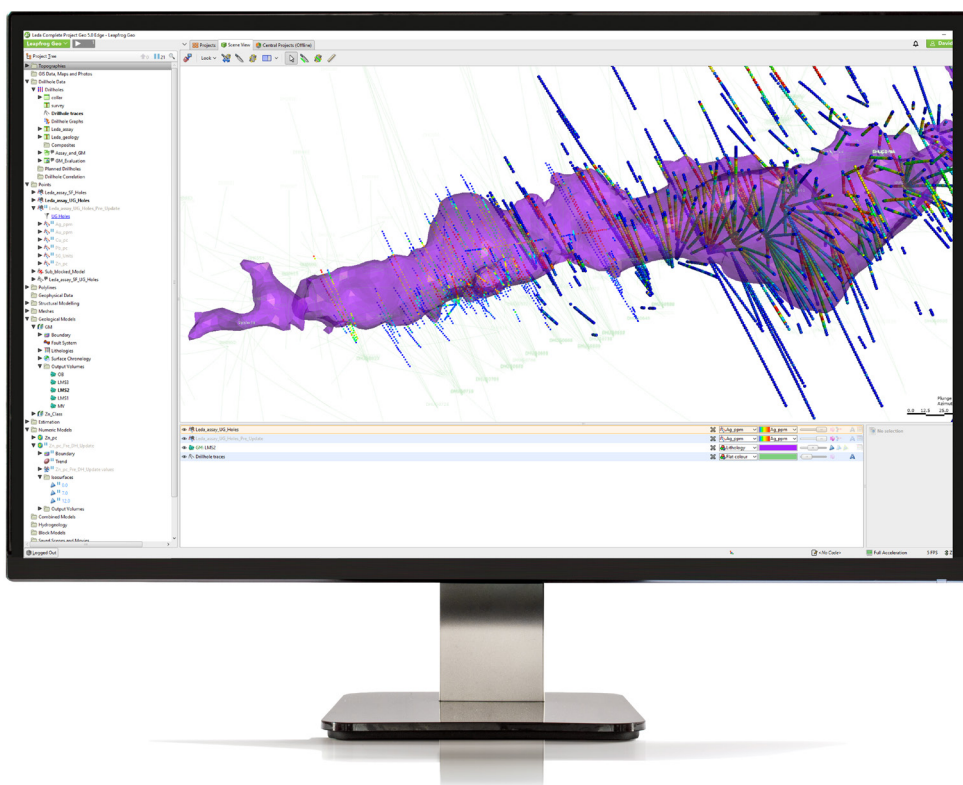
Key functionality

Direct from data modelling. Bypass wireframing to build and update models significantly faster with an advanced implicit modelling engine.

Unrivalled processing power. Model highly complex geology with ease by harnessing over one million data points.

Evaluation of multiple models. Improve geological understanding by duplicating models to test various hypotheses.

Thoughtfully crafted for geologists. Save time and frustration with logical workflows and a beautifully simple interface.



Background Overview

Disruptor Leapfrog was first introduced to the mining industry in 2004. It upset the established geological modelling sector and became the first to use 'implicit modelling.' Now nearly 16 years on implicit modelling is mainstream, an integral part of the geologic modelling workflow. Every major software provider, to a lesser or greater extent, offers some form of implicit modelling, and it's now unusual to see a job posting for a resource or modelling geologist that doesn't require some implicit modelling background.

Implicit modelling enables a dramatic speed up of the interpolation process and also, significantly, allows the results of modelling to be quickly updated when new data is added. This ensures that the implicitly created model is dynamic. As time is money and decision making becomes shorter as more data and information is readily available, implicit modelling now more than ever has the opportunity to unlock the door to real time modelling. It's important to also remember that not all implicit modelling is equal, many competitor solutions claim to be implicit but yet are not and do not facilitate dynamic updating.

The honing of the implicit modelling core into an engine for scientific geological analysis will become increasingly relevant. We've already seen an explosion in the volume of data, with a plethora of new technology to address the 'always on' challenge. Cloud Computing, machine learning, AI, SaaS, big data, point cloud, rapid or near time data collection, all of this needs to pair with the analysis and the geological model. As more and more data is collected it needs to be processed and interpreted properly and increasingly more scientifically.

Leapfrog Geo gives the geologist the freedom to think more scientifically, to be more sure and to reduce the risk inherent in determining what lies beneath.



Leapfrog Geo Fast Facts

- Leapfrog Geo is Seequent's flagship solution.
- Leapfrog Geo has a number of extensions that increase functionality, including resource estimation solution Leapfrog Edge, a Hydrogeology Module, an ioGAS link and also a Maptek link.
- Geo integrates disparate data sets in a rich 3D environment for fast visualisation and realistic geoscience models.
- Leapfrog Geo is a workflow solution that replaced the toolbox solution Leapfrog Mining, in 2013. Users quickly appreciated how Leapfrog Geo's user-friendly interface outweighed the toolbox approach.
- Leapfrog Geo works with primarily downhole drill hole data, but also integrates mapped, GIS, topographic and structural data. It's structural modelling tools, introduced in Leapfrog 4.0, are considered to be the best available.
- Leapfrog Geo uses these different types of data to produce Geology Models, Structural Models, Faulting Models, Alteration, Numeric and Resource Models in 3D, blocked and 2D formats.
- Leapfrog Geo is relied on by the world's top 25 mining companies.
- Leapfrog Geo's highly visual resource estimation solution, Leapfrog Edge, is an industry first as it tightly integrates the resource estimation workflow with the geological model. It can be bought as an extension to Leapfrog Geo. Data can be added or refined at any point and changes flow downstream from the geological model to the resource model and everywhere in between. This fully integrated dynamic workflow is unique to Leapfrog Geo.
- Leapfrog Geo has 6000+ users and is used in 110+ countries.

Recent Leapfrog Geo development milestones

Nov 2016	Leapfrog Geo 4.0 – new structural modelling tools allow for the easy incorporation of structural data to unlock its value. Including new Form Interpolant.
Nov 2017	Leapfrog Geo 4.2 – new tools for data analysis, including scatter plots, QQ plots, histograms and compositing graphs.
Jul 2018	Leapfrog Geo 4.3 – improved drillhole planning, even more geostats analysis and acquire Smart Refresh.
Oct 2018	Leapfrog Geo 4.4 – advances in data and model visualisation. Including split views, visualise from 1, 2 or 3 viewpoints, visualise downhole data in 3D as a trace line or bar graph. Colour mapping improvements and Economic Compositing.
Apr 2018	Leapfrog Geo 4.5 – packed with a whopping 580 usability and workflow advances, including more informed uploading, simplified editing and exporting, redesigned file structures and intuitive polar nets.
Oct 2019	Leapfrog Geo 5.0 - Freeze/Unfreeze, which makes Leapfrog's unique dynamic modelling even more flexible. Better colour mapping control, Imago core imagery integration, Geosoft 2D grids support, 2D mesh blending.

Seequent products are accessed via their Seequent ID for simple secure single sign in.

Deployment is quick and flexible. The products available to users are controlled by the organisation's administrator. When users sign in with their Seequent ID, they are connected to a cloud-based server to authenticate and use the software. Depending on which products are purchased, there may be additional options to select for that session.

- A Named Seat is issued to a Seequent ID and allows dedicated and unrestricted access to the software.
- A Shared Seat is assigned to a Group of Seequent IDs administered by the organisation. It allows for flexible user access until all seats are taken.

For more info refer to FAQs.

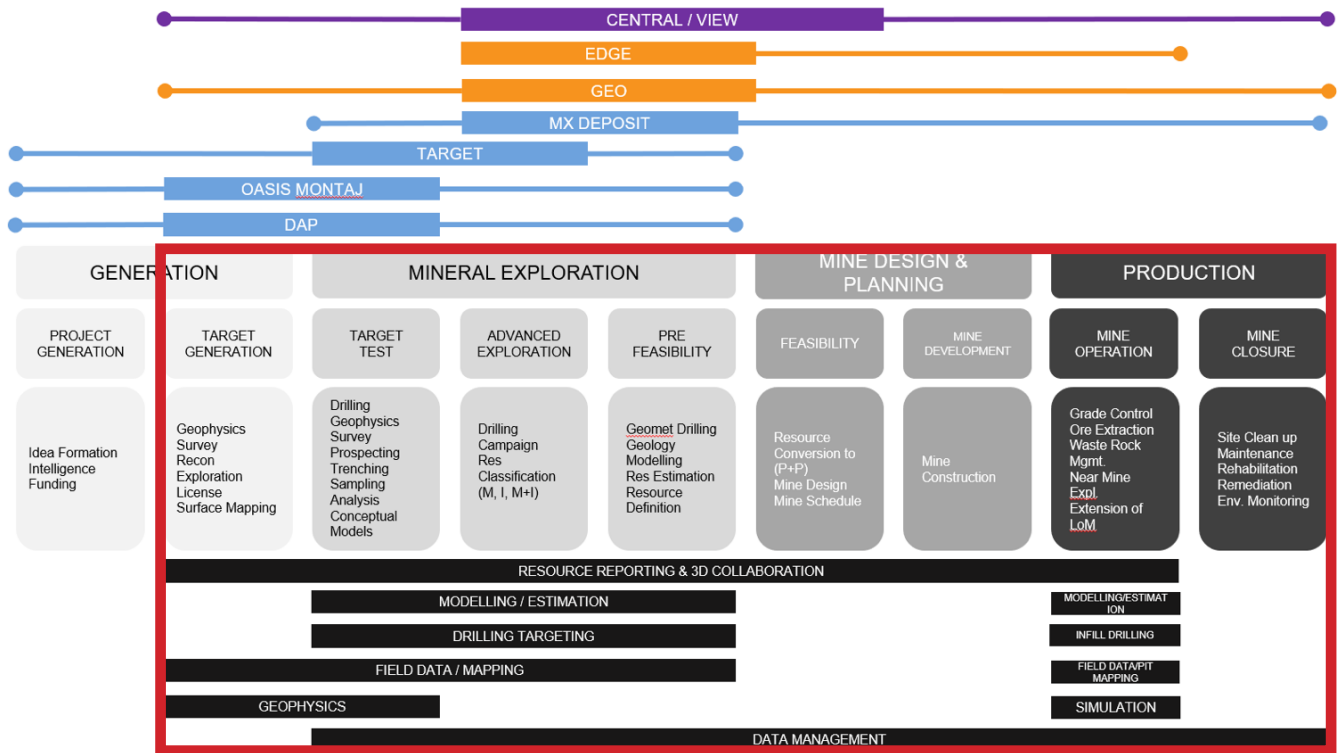
Value Proposition

Leapfrog Geo sets the standard in geological modelling. It enables exploration and mining companies to gain a deeper understanding of the geology at their sites, work more efficiently and make better decisions with the very latest information. Leapfrog Geo is relied on by thousands of geologists around the world for geological modelling, visualising data and drillhole planning.

Value for the Customer	How	Differentiator
Intuitive & organised	Leapfrog Geo has workflows that match the way geologists build and update models. This ensures consistency and improves efficiency.	Leapfrog Geo is a workflow-based 3D geological modelling tool. Most other products have a toolbox style approach making functionality hard to find and the software difficult to learn. Leapfrog Geo is the only software designed with geologists in mind. eg. Surpac has it's origins in surveying, Vulcan in engineering.
Increase confidence	Leapfrog Geo's advanced implicit modelling engine allows exceptionally fast construction of geological models. Rapidly model and test alternative hypotheses like never before, for increased confidence and surety. Add the latest information available and watch the model update for informed decision making.	Leapfrog Geo lets you rapidly copy, modify and test alternative geological interpretations. In competitor software the process is cumbersome and manual.
Reduce risk	Integrate all your data and information into Leapfrog Geo to generate a more accurate model that reduces risk.	In Leapfrog Geo, the data is stored within the project. In Other GMPS it is stored from a folder and easily accessible. This means files can be deleted or moved, which can break workflows and scripts or lose the audit trail.
Be more productive	Focus on evaluation, not data processing and software manipulation. Quickly become skilled and more productive, thanks to Leapfrog Geo's intuitive design and workspace.	Implicit modelling allows geologists to build models directly from the data, bypassing time consuming wireframing. With Leapfrog Geo, the manual digitising process is removed, and the geologists can spend more time focusing on the interpretation. Whilst other GMPs are slowly introducing implicit modelling functionality, Leapfrog Geo's implicit modelling has the most advanced functionality.
Audit & justify decision	Leapfrog Geo's methodical approach to modelling means you can easily see how models are built. Workflows are auditable and self-documenting.	With Leapfrog Geo you can easily audit models as the input data and parameters that are used to construct a surface are retained within the software. In other GMPs, outputs are often disconnected from their inputs making it hard to track how peer's thoughts and decision-making processes.
Visualise & understand	Stand back and see the big picture, or dive into the detail with exceptional 3D Graphics. Easily and confidently share this information with others, for speedy communication and buy in.	Leapfrog Geo's stunning user interface make it stand out among other packages. Save time and frustration with logical workflows and a beautifully simple interface.

Where and how is Leapfrog Geo used across the value chain?

MINING AND MINERALS VALUE CHAIN



Case Studies

Case study: Agnico Eagle - How Leapfrog upgraded geological understanding at Amaruq

“Being able to update Leapfrog regularly with new information was critical to improve our understanding and help the team plan and optimise the drilling that ultimately led to the discovery.” Marjorie Simard, Senior Geologist 3D Modelling, Technical Services, Agnico Eagle.

Case study: Vale – Dynamic updating of a geological model for enhanced in-situ reconciliation

“For us the overriding benefit of using Leapfrog is gaining more time. Before Leapfrog it took us months to update our models.” Dr. Valter Oliveira, Master Geologist, Vale.

Case study: Evolution Mining – How Leapfrog Geo helped improve understanding at Edna May Gold Mine

“Since the final implementation of the new processes we have improved geological understanding and consequently improved reconciliation practices and performance.” Hans Andersen, Group Resource Geologist, Evolution Mining

Case study: Use of Leapfrog Geo for grade control at Alacer Gold Corp’s Çöpler mine, Turkey.

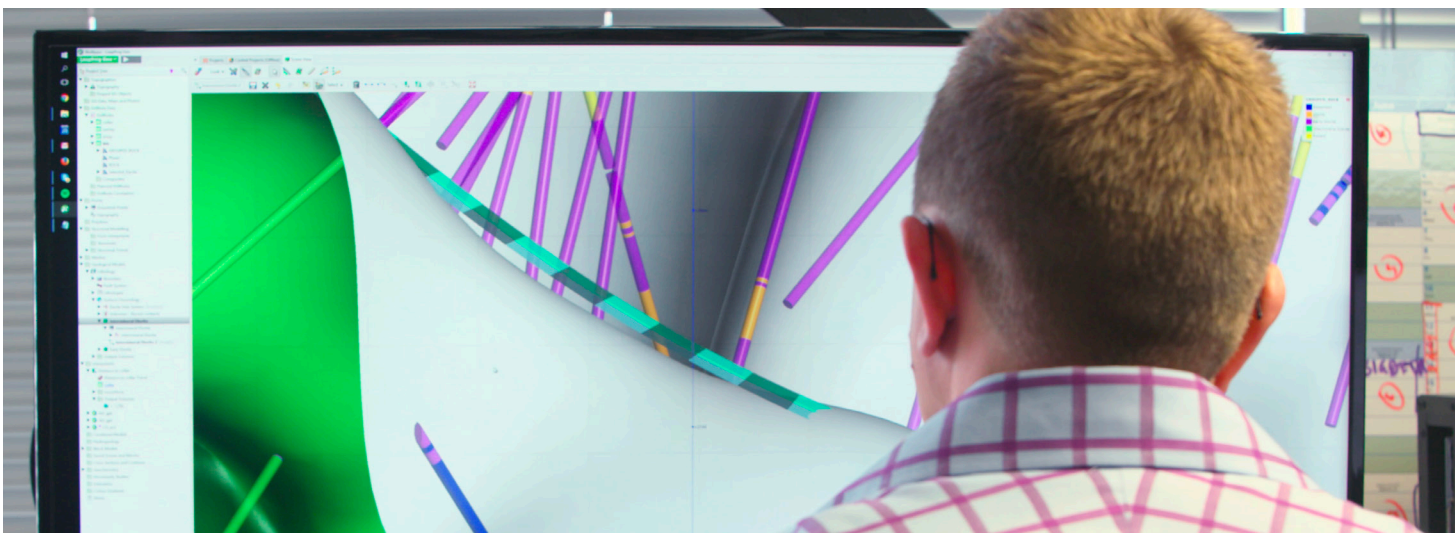
“Leapfrog is now supplementing our grade control process as it allows for the integration of information that wasn’t previously used, generating a better model and further reducing our risk exposure.” Loren Ligocki, Resource Geology Manager, Alacer Gold Corp.

Case study: Modelling complex reef formations at Gold Field’s South Deep Gold mine, South Africa.

“We’ve now reached the stage where Leapfrog Geo operates close to real time. As new information comes to hand we can instantly update the model, which provides the optimum conditions for mine planning.” Hendrick Pretorius, Chief Evaluator, South Deep.

Case study: Dynamic updating of a geological model for enhanced in-situ reconciliation at Vale’s Onca-Puma Lateritic Nickel Mine, Brazil.

“For us the overriding benefit of using Leapfrog is gaining more time. Before Leapfrog, it took us months to update our models. Increasingly mining is getting more complex with lower grade. The margin for error from geological modelling needs to be minimal.” Dr Valter Oliveira, Senior Geologist, Vale.



Qualifying Questions

Any decision is only as good as the data it is based on. Here are a couple of general opening questions:

How are you using the geological model to make investment decisions currently?

What are your current modelling concerns and challenges?

QUALIFYING QUESTIONS	HOW LEAPFROG GEO WINS
Do you test different geological scenarios? What will it cost in time and investment if the model is weak?	<ul style="list-style-type: none"> Analyse the latest information in real time. Don't rely on information that's out of date. Evaluate the limitations of more than one scenario and devise an optimal approach. Better understand ore bodies and change course as required.
How far does the model lag behind drilling? Can you react fast enough to new information? How important is being able to visualise models and data in 3D?	<ul style="list-style-type: none"> Shorten exploration projects. Target drilling programs for better value. Rapidly evaluate projects for timely decision making. Drastically reduce ongoing annual costs of long-term planning. Capitalise on discoveries and opportunities without delay and speed up return on investment.
Is your model easy to understand? Will it help stakeholders gain buy in?	<ul style="list-style-type: none"> Bridge communication gaps between various groups and departments. Explain complex geology with confidence, for consensus and buy in. Leapfrog Geo has free companion products such as View and Leapfrog Viewer to help communicate with team members and stakeholders who don't have the software.
How long does it take to complete geological models currently?	<ul style="list-style-type: none"> Focus geologist's time on geological evaluation, not data processing. Reduce training time with an intuitive workspace designed to quickly upskill geologists.
How do you validate and peer review geological models? Are you using all the information that's available? How does this affect the model?	<ul style="list-style-type: none"> Ensure workflows are auditable and self-documenting. Review, audit and justify decision making for increased confidence. Evaluate and challenge models in detail using senior geologists and managers.
If your geological model changes are you able to readily change your resource estimation? Or will you need to start over again and face delay?	<ul style="list-style-type: none"> Geo's resource estimation extension, Leapfrog Edge, integrates the resource estimation workflow with the geological model. Data can be added or refined at any point and the changes flow downstream from the geological model to the resource model and everywhere in between.

With Leapfrog Geo you can reduce your exposure to risk, save costs and optimise both the modelling process and ultimately your overall operating efficiency.

Pain Points

Pain Point	Impact	Resolution
Time consuming manual digitisation (explicit modelling)	Models take longer, taking time away from geologists. Less time spent focusing on the geology	Models are based on continuous 3D functions and honour spatial data points
Challenging to incorporate different data types into one model	Interpretation could be made without using all the available data	Designed to easily incorporate all available data into models, including maps and sections
Models are time-consuming and challenging to update with new data	Updating of models is time consuming so decisions can be made on out of date information	Leapfrog Geo allows for efficient and fast, dynamic updating of models when new data is available
Interpretations and modelling method are highly subjective, and models are not easily auditable or reproducible	Incorrect or out of date models have an effect on downstream decision making	Modelling method is objective, and models are easily auditable and reproducible so geologists can be more scientific and hypothesise
Quality of interpretation and model is dependent upon time constraints and person's software knowledge	Rushed models with a reduced resolution	Interpretation is separated from the digitisation process

Pain points that Leapfrog Geo solves

"We aren't confident in the geological model. We haven't evaluated all the options and haven't had time to look at more than one scenario."

"The model isn't up to date. It lags behind drilling. It's time consuming to update. We can't react fast enough."

"We can't see what decisions were made throughout the process of building the model. We can't communicate this information."

"The geologist is more tied up in the model building process rather than evaluation. There is no time to be a geologist, I'm just joining dots on a screen."

"The geological model is more intuition and improvisation rather than system and theory."

Who already uses Leapfrog Geo?

Type of Mining Company	Example Names	Comments
Majors	Rio Tinto BHP MMG Barrick Teck Barrick Newcrest First Quantum NewmontGoldcorp AngloGold Ashanti Anglo American Kinross Glencore	Covers most major mining commodities; Iron Ore, Gold, Lead, Zinc, Alumina, Copper, Lithium, Vanadium, Manganese
Mid-tiers	Evolution Northern Star First Majestic GoldFields PT Agincourt OZ Minerals J Resources Eramine Yamana Gold Polymetal Kaz Minerals Eramine Vale	
Geological Consultancies	SRK RSC Consulting Cube Consulting Mining Plus Optiro CSA Global Piteau Associates MSA Group Shango Solutions Geoestima RPA Consulting Advisian Montgomery & Associates	

Who are we targeting?

Our target market is mining and exploration companies globally. All sizes of company can benefit from using Leapfrog. Our current customers vary from individual consultants right through to global mining companies. Leapfrog can be used in a wide variety of minerals deposits (excluding coal). It excels with visualising and interpreting complex vein systems.

Geographically we focus on North America, Latin America, South Africa and West Africa, Australia, UK, Russia and neighbouring former Soviet Union countries. We will sell to any country if there aren't trade restrictions. We have a small number of Chinese and Indian customers but are not actively growing these markets.

The primary end users are

Geologists, Principal Geologists, Modelling Geologists or consultants. Mine geologists may use Leapfrog at a low level.

Relevant for every kind of mining company inc. Majors; Mid-Tiers; Juniors and Geological Consultancies

Size of Company	What do they care about	Lead with
Majors	They care about being able to manage multiple projects simultaneously. They care about having quality data and strict audit trails and know samples haven't been tampered. They care about shareholder return – so revenue and operational efficiency. They will have legacy software and systems and processes that will be a challenge to shift.	Improve geological understanding. Leapfrog Geo's advanced implicit modelling engine allows for exceptionally fast construction of geological models, giving geologists time to be scientists and test alternative interpretations to improve their understanding of the geology. Add the latest data available and the model will update automatically for informed decision making with the most up-to-date information.
Mid-tiers	They care about profitability. They care about innovation.	Be more productive. Leapfrog Geo has workflows that match the way geologists build and update models. This ensures consistency and improves efficiency. Training time is significantly reduced due to the intuitive and visual workspace. Learn the fundamentals in just 2 days.
Juniors	They care about being able to manage multiple projects, for multiple clients and as different consultants come onto projects, they want to be able to quickly update models. They need to be able to share geological models easily with clients and the 3D visualisation helps consultants communicate risks.	Audit & justify decisions. Leapfrog Geo's methodical approach to modelling means you can easily see how models were built, and the decisions that were made at each step. Workflows are auditable and self-documenting.
Geological Consultancies		Visualise & understand. Visualise all your various data in one place with exceptional 3D graphics. Stand back and see the big picture, or dive into the detail. Easily and confidently share this information with others for effective communication.

Job Title	Persona	Position
VP Exploration	Manage teams and programmes and have usually some form of financial control and decision making power. They care about accuracy of data and results. They care about collaboration within their own teams and cross company.	Decision Maker
Mine Manager/Production Manager/Mine Geology Manager	Looking for ways of ensuring the mine is delivering to plan in terms of output; quality control; operating efficiencies; health & safety; environmental testing. They care about getting as close to real-time information as possible about what's coming out of the ground and how they may need to adjust plans based on the data – so they want to know that the data is accurate and have confidence.	Decision Maker
Geologist (all types)	May not do the logging, but would need to access the data to build the models, so interested in a fast way of gathering data to build models and make decisions. Also interested in knowing the data they are using is accurate and thus reducing risk when building out geological models or resource estimations or looking at grade control.	Influencer and user of data



Objection Handling

Potential Objections	How to overcome objection
The cost of the software is too expensive to justify	Leapfrog Geo is fairly competitive to other solutions on the market. Our product is less modularised than other packages, so the price includes all the functionality you need including Visualisation, Drill Planning and Implicit Modelling. Geo will also help you save money because it saves time and allows you to quickly make use of new information. These productivity gains and use of the latest info means you can potentially avoid costly problems or delays and capitalise on opportunity.
The level of complexity required in our models cannot be handled by Leapfrog Geo	Leapfrog Geo can handle all levels of model complexity. At every local Seequent office we have expert users who can help guide you and unlock Leapfrog's full power and functionality. Could you elaborate on what you are trying to achieve within the software and I can arrange a session with one of our in-house experts?
Our models are not complex enough to require Leapfrog Geo	Leapfrog Geo can handle all levels of model complexity. Leapfrog provides you with the power to generate both simple and complex models in a fraction of the time of manual digitisation. These time savings at all levels can allow you to focus more on the geology, be more productive and more scientific in your analysis.
We have no modelling requirements right now	Leapfrog Geo is not just for modelling. Rapidly visualising your data in 3D space, monitoring drill programs, analysing structures or interpreting your geoscience information can significantly improve your understanding of your deposit and save you money. You can also use Leapfrog Geo for compelling communication.
Leapfrog Geo has missing functionality I need for my workflows	We understand that Leapfrog Geo requires certain functionality for your workflows. However, there are still significant benefits that Leapfrog can add to other areas which will save you time and improve your decision making.
We deal with large historic datasets	We have tools to help deal with historic data sets that will actually make auditing and finding where the bad data is, easier. (Lithology grouping, lithology splitting, interval selection, error identification and fixes). I can arrange a session with one of our in-house experts to explain?
Our company has poor and inaccurate data to work with, constant time pressure, unrealistic KPIs	You can find bad data quicker by using Leapfrog Geo and there are tools to fix common errors.
We're under so much pressure and have unrealistic KPIs	Dynamic modelling means that time is required to set up inputs up front, but there's a huge time saving when you need to rerun later when you're under pressure. This means you can use your time more efficiently and also have better more compelling communication tools for superiors. Leapfrog Geo could be the solution to a much better and more streamlined way of working. It's also very easy to learn and intuitive, so you could quickly be experiencing these benefits.
Learning new software takes too much time to adopt and become proficient in.	Leapfrog Geo is easier to learn than most other software as it's designed for Geologists. We have great training and education support, as well as online help menus and videos to get users started with the software. Leapfrog Geo is also very intuitive and has visualisation tools that quickly advance your understanding. Unlike a lot of modelling software you can quickly become proficient and quickly experience the benefits of faster modelling and more scientific analysis.

FAQs



What is Leapfrog Geo?

Leapfrog Geo is a revolutionary 3D implicit modelling solution to help you understand, visualise and communicate geology. It provides a complete solution for fast and dynamic geological modelling, analysis and intuitive 3D visualisation tools that allow geologists to effectively communicate understanding.

Who is Leapfrog Geo for?

Leapfrog Geo is carefully crafted for the geologist and is a workflow solution that is intuitive and easy to use. Leapfrog Geo is particularly relevant for reducing risk related to geological modelling. Leapfrog Geo can be used for:

- Producing Geology Models, Structural Models, Faulting Models, Alteration, Numeric and Resource Models.
- Rapidly visualising your data in 3D space.
- Monitoring and planning drill programs.
- Analysing structures or interpreting your geoscience information.
- For compelling communication.

Can I try out Leapfrog Geo for myself?

Yes. Register for a trial on <https://trials.leapfrog3d.com/> and follow the simple steps. Our sales team will help get you get up and running on a free, no obligation, 14 day trial.

How do I install Leapfrog Geo software?

Depending on your internal IT policy you may need your IT department to install the software for you. The installation file is available for download and can be copied to a USB or network drive for further deployment.

It is recommended that Network Administrators either take a trial themselves or run the Leapfrog Start utility to confirm that all Leapfrog web services supporting seamless operation of Leapfrog Geo can be accessed from within your organisations network. For more information on Leapfrog Start see Info for IT Admins.

How does Leapfrog Geo build reliable 3D geological models so fast?

Leapfrog Geo uses the proven Leapfrog 3D implicit modelling engine and toolset that has been used by geologists worldwide for over a decade. The Leapfrog 3D engine is fast and dynamic when dealing with complex geology and large datasets, so you can focus on applying your specialist knowledge. As more data becomes available simply re-run the model and enjoy the higher confidence that comes with more data. You can read more about implicit modelling here:

How can I visualise my model?

In Leapfrog Geo, everything revolves around the 3D scene. Simply drag all or any of your data into the current scene window to immediately view and intuitively slice, pan, rotate the model and adjust colour and transparency to tell the story of the geological conditions. 3D scenes can be saved for sharing with stakeholders without them needing to access Leapfrog Geo.

How can I collaborate with others around the Geological model?

There are many options in the Leapfrog portfolio for sharing and collaboration that make it easy to communicate your understanding and insights in different scenarios.

- **View** is a web-based application that lets you share interactive 3D views accessible anywhere in the world through the web. Leapfrog Geo allows you to upload Leapfrog model views directly from the 3D scene. View is ideal when you need to reach a wide audience during public consultation or for quickly sharing key project views with a client or partner company. For more information on View visit www.lfview.com
- **Leapfrog Viewer** provides a detailed view of models and offers the full visualisation capabilities experienced in Leapfrog Geo through an additional desktop application. Its free to download and use, and provides you with a read-only version of your model to take to meetings, to share with other technical teams or to provide a client with a complete version of the model as a key project deliverable. For more information on Leapfrog Viewer visit <http://www.leapfrog3d.com/products/leapfrog-viewer>.
- **Leapfrog Geo** includes tools for easily making fly through movies and rendering high quality images and section layouts for inclusion in reports and presentations.

What is the best way to manage my models?

Leapfrog Geo is integrated with Seequent Central for a complete model management solution. Central's database connections enable continuous modelling over the life of the project as new data and interpretations augment the original model. Seequent Central provides Leapfrog Geo users with revision and review management as well as an audit trail across geographically or functionally diverse groups. For more information on Central visit <http://www.leapfrog3d.com/products/leapfrog-central>.

How do I use Identity-Based Access?

Seequent products are accessed via your unique Seequent ID. When you begin your set up process, you will be prompted to create your Seequent ID. Once your Seequent ID is created, you will simply sign in and select which of the available products you want to use in the current session. Deployment is quick and flexible. The products available to you are controlled by your organisation's administrator. When you sign in with your Seequent ID, you are connected to a cloud-based server to authenticate you and authorise your use of the software. Depending on which products are purchased, there may be additional options to select for that session.

What Subscription Options are available?

A Named Seat is issued to a Seequent ID and allows dedicated and unrestricted access to the software. A Shared Seat is assigned to a Group of Seequent IDs administered by the organisation. It allows for flexible user access until all seats are taken.

What are the benefits of a Shared Seat?

Each Shared Seat purchased is assigned to a Group of named users and administered by your organisation over a 12-month period. Access is limited to one user per Shared Seat at any given time. Sharing is easy – users sign in with their Seequent ID and select the number of days that they need at start up. If they finish early, they can sign out and free up the seat for the next user. Users have the flexibility to operate offline for the time selected – great for working on remote sites or client offices where internet access is not easily guaranteed. Unlike with the previous dongle system Shared Seats are not restricted to same offices, cities or even countries.

What are the benefits of a Named Seat?

A Named Seat is ideal for a user who wants dedicated and unrestricted access at any time. A Named Seat has a lower fee than a Shared Seat, because access is reserved for the named user (i.e., it may not be shared). As with the Shared option, users of Named Seats have the flexibility to operate offline for the time selected – great for working on remote sites or client offices where internet access is not easily guaranteed.

Can I have a mix of Pricing Options?

Yes! We know every organisation is different so you can have a mix of Shared and Named Seats to suit the way you work. Your organisation's administrator controls who has access to which option and you never have to worry about your teams' ability to access the software while simultaneously controlling your expenditure.

For a Shared Seat, how long can it be checked-out?

A Seat is normally checked out for 24 hours. There is the option to check out a Seat for longer, for instance if you are going into the field and won't have internet access. A Seat is automatically released after the check-out time period has expired and can be extended as necessary. A Shared Seat can be checked back in prior to 24 hours (or whatever the initial check-out duration was), if you consciously sign out of your Seequent ID, ensuring unused seats are quickly available to be taken by others.

Do I need to be connected to the Internet to use Seequent's Solutions?

You do need an internet connection to successfully sign in when you initially run the software. With Named and Shared Seats, it is possible to go offline for multiple days at a time. Just select the number of days you need when you first sign in with the software. Offline usage is captured when users come back online.

With Shared Seats you need to sign out to free the seat up for others to take. As with sign in, you need an internet connection to successfully sign out and free the seat for others. Regardless, a Shared Seat will be released for others to use once it's duration lapses.



COMPLEXITY TO CLARITY

Seequent is a global leader in the development of visual data science software and collaborative technologies.

seequent.com