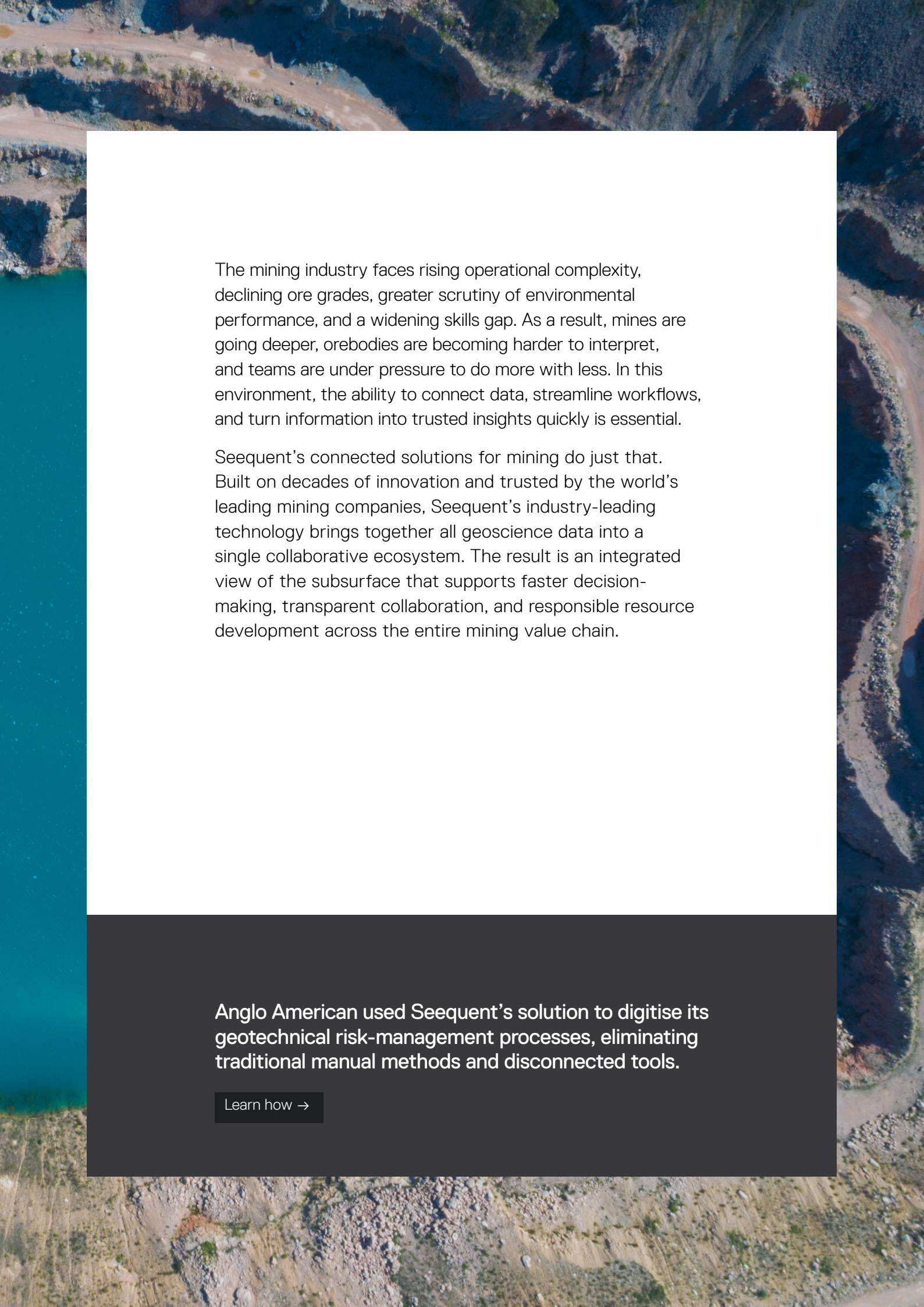




SOLUTION BRIEF

DISCOVER AND DEVELOP CRITICAL RESOURCES SUSTAINABLY



The mining industry faces rising operational complexity, declining ore grades, greater scrutiny of environmental performance, and a widening skills gap. As a result, mines are going deeper, orebodies are becoming harder to interpret, and teams are under pressure to do more with less. In this environment, the ability to connect data, streamline workflows, and turn information into trusted insights quickly is essential.

Seequent's connected solutions for mining do just that. Built on decades of innovation and trusted by the world's leading mining companies, Seequent's industry-leading technology brings together all geoscience data into a single collaborative ecosystem. The result is an integrated view of the subsurface that supports faster decision-making, transparent collaboration, and responsible resource development across the entire mining value chain.

Anglo American used Seequent's solution to digitise its geotechnical risk-management processes, eliminating traditional manual methods and disconnected tools.

Learn how →

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Anglo needed an integrated technology solution to combine geochemical, geological-structural, and geotechnical data into a dynamic 3D model, bringing agility, reliability, and collaboration to their workflow, and minimising risk of geotechnical failures that could damage the environment and jeopardise lives.”

Felipe Vilela
Engineering Geologist
Anglo American



Mining companies around the world rely on Seequent’s integrated solutions for mining to:



Connect data and teams in one environment



Accelerate discovery and optimise resource development



Reduce uncertainty and risk through transparent, repeatable workflows



Enhance collaboration across teams and locations



Improve transparency and stakeholder communication



Future-proof operations with open, cloud-enabled technology



Successful mining projects are powered by Seequent

From early exploration to long-term operations, mining success depends on understanding the underground. Seequent's connected approach unites data, disciplines, and decisions, helping teams reduce risk and improve efficiency.



Connect data and teams in one environment

As orebodies become harder to interpret and datasets grow more complex, disconnected systems slow progress and increase risk. Seequent connects all geoscience data in a single collaborative ecosystem, integrating tools for drillhole data management, core imagery, geological modelling, resource estimation, block model management, and analysis. With everyone working from the same up-to-date information, teams can move faster and reduce the uncertainty that comes from working in silos.



Accelerate discovery and optimise resource development

Declining grades, deeper deposits, and tighter budgets demand faster, more confident decision-making. Seequent enables rapid, iterative modelling that turns raw data into actionable insight. Leapfrog Geo and Leapfrog Edge help geologists build and update 3D models and resource estimates in a fraction of the time, while geostatistical tools quantify uncertainty and support precise resource estimation. This agility reduces project timelines, improves confidence in drilling decisions, and helps teams realise the potential of every deposit.



Reduce uncertainty and risk through transparent, repeatable workflows

Operational complexity continues to rise across the mining value chain, increasing scrutiny on how models are built and decisions are made. Seequent's auditable, version-controlled workflows ensure that data, models, and results are tracked across their entire lifecycle. Teams can compare versions, reconcile plans with outcomes, and demonstrate defensible practices, reducing operational, financial, and compliance risk.



Enhance collaboration across teams and locations

Workforce shortages and distributed teams make consistent collaboration harder than ever. Seequent's cloud-connected tools make it easy for distributed teams to collaborate on the same live models, share updates in real time, and maintain alignment across operations. The result is better communication, faster decisions, and fewer costly misunderstandings.



Improve transparency and stakeholder communication

Complex subsurface data can be difficult to convey beyond technical teams. Seequent's intuitive 3D models and visualisations translate that complexity into clear, defensible insights that support stakeholder engagement and regulatory confidence. Whether presenting to investors, local communities, or government agencies, teams can demonstrate project progress and subsurface understanding with clarity.



Future-proof operations with open, cloud-enabled technology

Digital transformation remains a top challenge for mining companies, but fragmented tools and legacy systems often hold teams back. Seequent Evo, Seequent's open, geoscience data and compute platform, enables integrated workflows across Seequent and third-party products. From ML-assisted data capture to robust modelling and rapid data processing, Evo supports innovation today and adaptability for tomorrow's challenges.



Geophysics

Oasis montaj

Oasis montaj provides a powerful environment for processing, filtering, and visualising large geophysical and remote sensing datasets, including gravity, magnetic, electromagnetic (EM), radiometric, hyperspectral, and Induced Polarisation (IP) surveys, to reveal structures, mineralisation, and subsurface features that guide exploration and drilling decisions.

Early Exploration Targeting

Target

Target enables geologists and geophysicists to visualise, analyse, and plan drilling programs in 2D and 3D. By combining assay results, drilling data, and geophysical surveys, Target helps teams identify optimal targets and plan efficiently with confidence.

Drillhole data capture

Imago

Imago captures high-quality core and chip imagery. Using machine learning, Imago automatically crops, analyses and generates consistent RQD and Colour data, and syncs directly to Leapfrog models, providing geologists with the visual context needed to validate interpretations, identify key features, and improve confidence in subsurface understanding across exploration and production projects.

Data and model management

MX Deposit

MX Deposit simplifies the collection, validation, and management of drilling and sampling data in the cloud. By centralising drillhole data from multiple sites and projects, it ensures teams work from a single source of truth—reducing manual effort and accelerating model updates.

Seequent Central

Cloud-based Seequent Central offers shared 3D visualisation, team collaboration, and tracking of geological data within a single, auditable environment.

Geological modelling

Driver

Driver is a cloud-based tool that supports rapid spatial exploratory data analysis of drilling datasets. Integrated machine learning automates analysis of numerical and categorical data so teams can quickly understand the structure of their deposit, understand domains, and make better downstream models—with less manual effort and no coding.

Leapfrog Geo

Leapfrog Geo is the industry's leading 3D geological modelling solution, transforming complex data into dynamic, interpretable models. It enables geologists to strategically plan and execute drillholes and integrate diverse geological datasets to rapidly test hypotheses, and update models as new data arrives, delivering faster insights and clearer communication across teams.

Resource estimation

Leapfrog Edge

Leapfrog Edge delivers intuitive, visual, and seamlessly integrated geostatistics within the Leapfrog environment. It enables resource estimators to apply advanced estimation techniques, such as conditional simulation, to quantify uncertainty and generate transparent, auditable resource models that meet reporting standards.

BlockSync

BlockSync provides secure, cloud-based management of block models with version control, audit trails, and collaborative access. Teams can update models dynamically, compare versions, and reconcile plans with actuals to support accurate reporting and long-term confidence in the resource base.



Geotechnical data management and analysis

GeoStudio

GeoStudio offers integrated numerical analysis for slope stability, seepage, stress, and deformation. It helps engineers and geoscientists evaluate slope performance, pit design, and tailings storage facility safety, supporting sound, defensible geotechnical decisions across mine operations and closure.

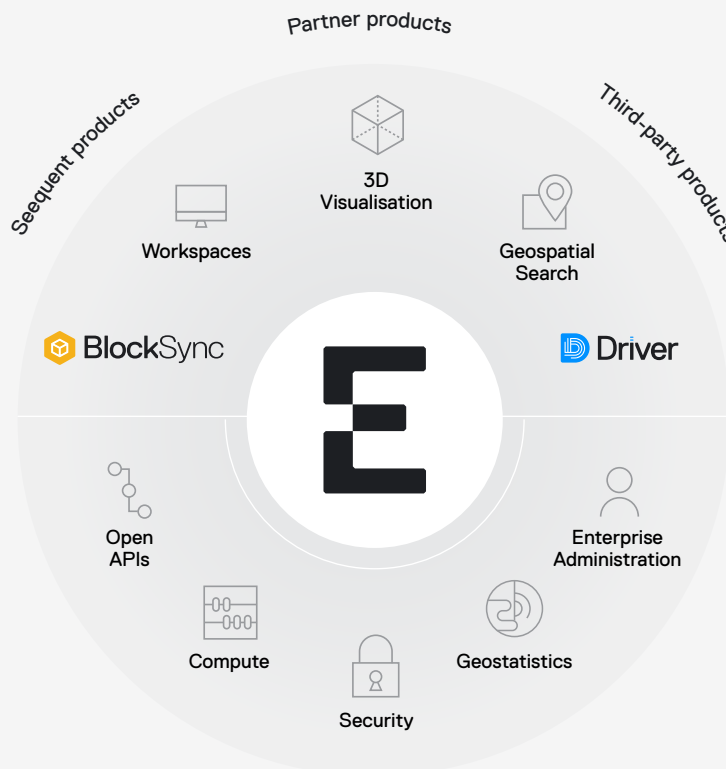
PLAXIS

PLAXIS provides advanced finite element analysis for soil and rock deformation, stability, and soil–structure interaction. It supports detailed design and analysis of slopes, tunnels, and tailings storage facilities, helping teams understand ground response and ensure safe, stable designs across all phases of mining.

The platform approach

Seequent Evo

Seequent Evo is a geoscience data and compute platform that enables integrated workflows and collaboration across Seequent and third-party products. It powers geoscience solutions for data processing, modelling, and insight generation, with the foundation for critical cloud-enabled applications such as Driver and BlockSync.



A world of support at your fingertips

Beyond the powerful features of our connected mining solutions, Seequent offers comprehensive support and learning resources to help you get the most out of your investment.

Learning Centre

Maximise the value of Seequent's solutions with a range of flexible learning opportunities through the Seequent Learning Centre. Whether you prefer online learning paths, on-demand videos, or instructor-led courses, there are resources tailored to your needs.

[Explore learning opportunities →](#)

4.9/5

rating for Seequent e-learning from 16,000+ reviews

Community

Connect with a global network of geoscientists and professionals through the Seequent Community. Whether you're looking for peer support, insights from industry experts, or practical tips to get the most from Seequent's solutions, the Community offers a space for shared learning and collaboration.

[Join the Community →](#)

7,400+

customers in 145+ countries

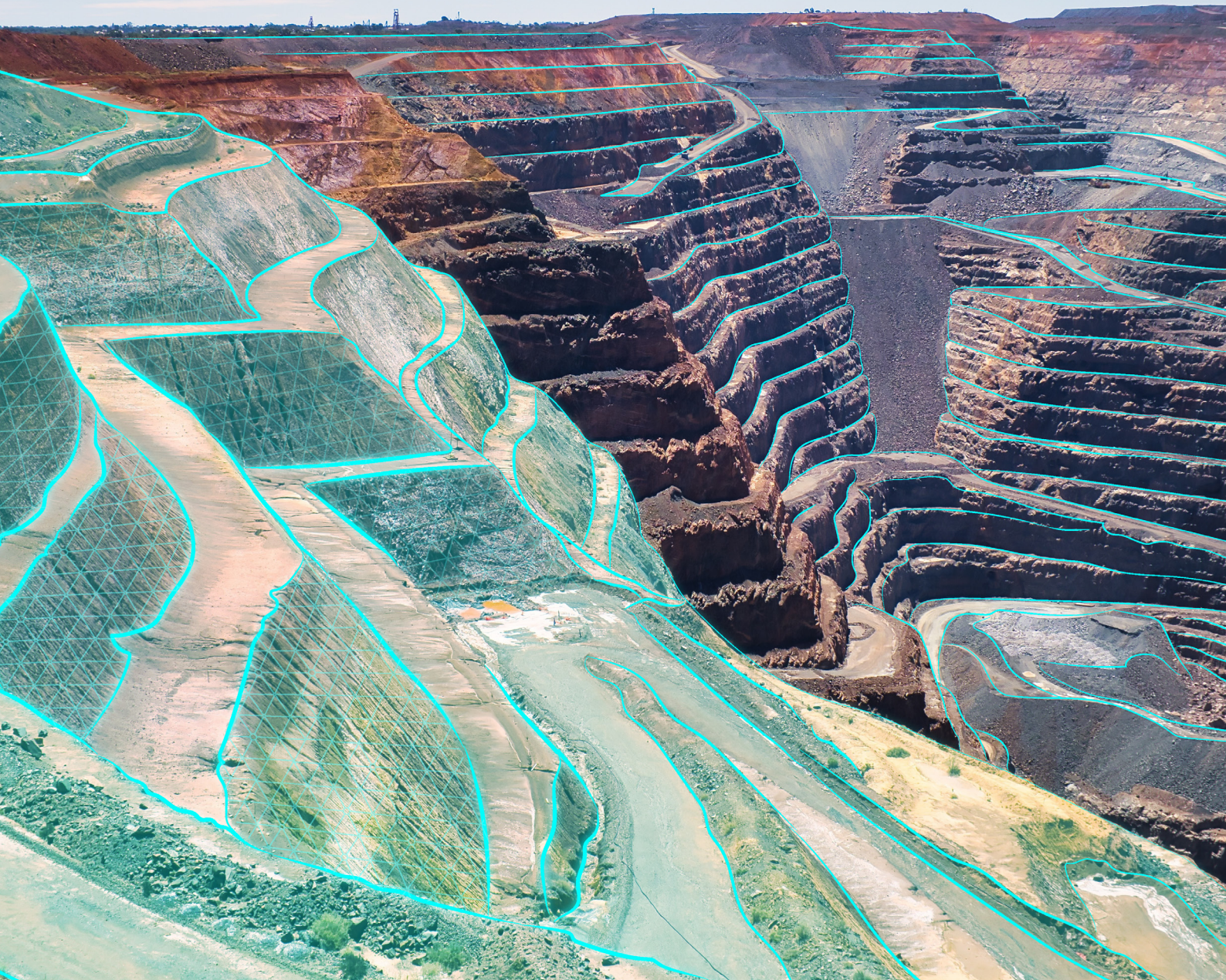
Support

Get the most from your Seequent solutions, anytime, anywhere. Access our knowledge base, connect with technical experts, or explore specific support options for all Seequent products, keeping your projects running smoothly and efficiently.

[Get support →](#)

95%

satisfaction with our front-line help and support



Discover the power of Seequent's solutions for mining

Visit www.seequent.com to explore product videos, customer success stories, or request a live demo.

Understand the underground to build a better world.

Seequent is evolving the way organisations work through better subsurface understanding.

As the world leader in subsurface earth-modelling, analysis and data management, and collaboration software, Seequent is at the forefront of building a collective understanding of the Earth.

We hire amazing people who collaborate with our customers to find technology solutions to their challenges that deliver more positive outcomes for a better world.

As The Bentley Subsurface Company, Seequent connects our natural environment with the built world so organisations can manage the impact of their projects at every stage.

Seequent: Understand the underground.

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