IMAGO

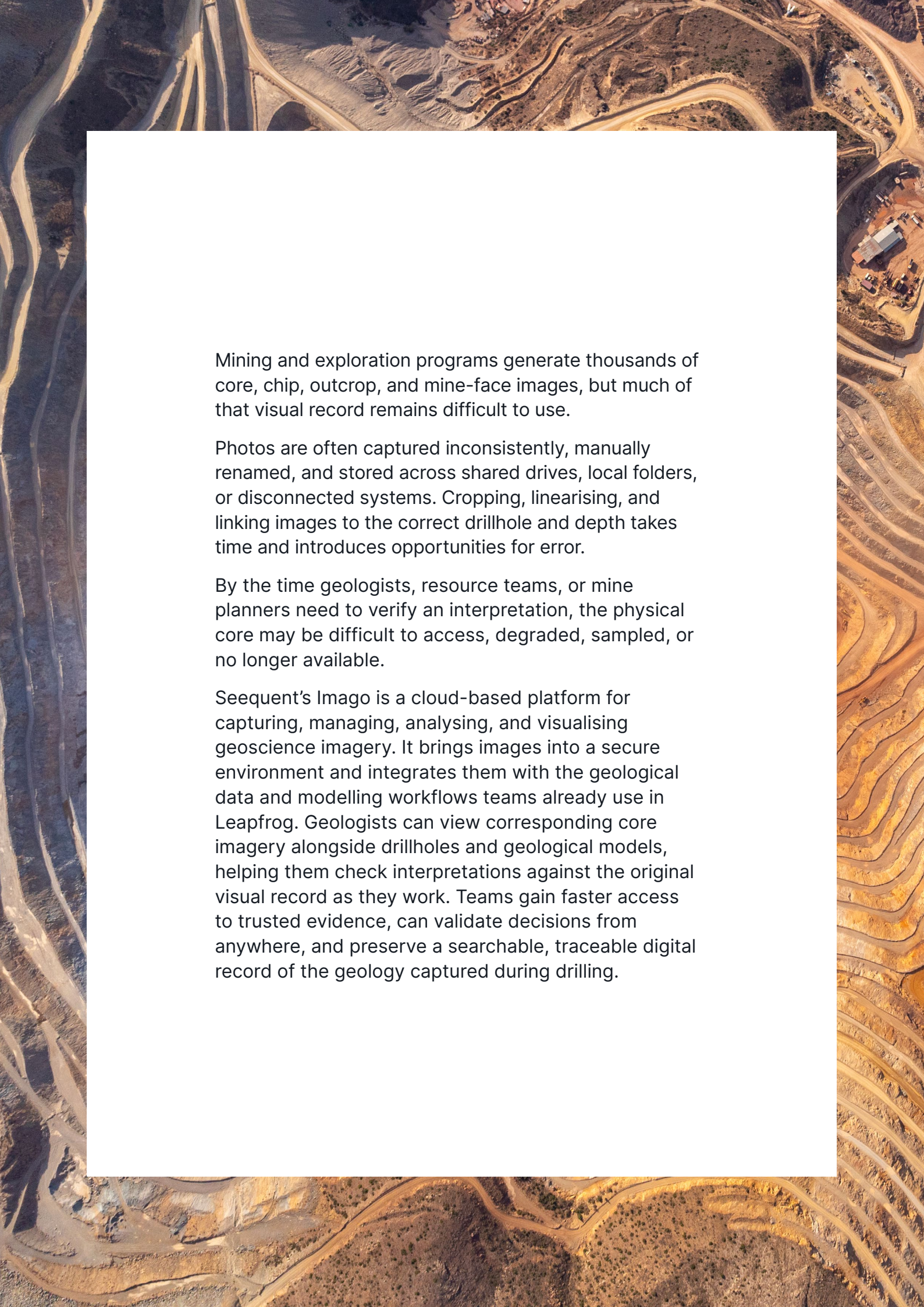
SOLUTION BRIEF

Preserve core imagery and strengthen geological models with Imago



SEEQUENT

Seequent, The Bentley Subsurface Company



Mining and exploration programs generate thousands of core, chip, outcrop, and mine-face images, but much of that visual record remains difficult to use.

Photos are often captured inconsistently, manually renamed, and stored across shared drives, local folders, or disconnected systems. Cropping, linearising, and linking images to the correct drillhole and depth takes time and introduces opportunities for error.

By the time geologists, resource teams, or mine planners need to verify an interpretation, the physical core may be difficult to access, degraded, sampled, or no longer available.

Seequent's Imago is a cloud-based platform for capturing, managing, analysing, and visualising geoscience imagery. It brings images into a secure environment and integrates them with the geological data and modelling workflows teams already use in Leapfrog. Geologists can view corresponding core imagery alongside drillholes and geological models, helping them check interpretations against the original visual record as they work. Teams gain faster access to trusted evidence, can validate decisions from anywhere, and preserve a searchable, traceable digital record of the geology captured during drilling.



IGO Limited migrated more than 50,000 geological images from over 600 drillholes across its Fraser Range exploration project into Imago, replacing an unwieldy folder-based system with a central, cloud-based visual record.

IMAGO

“Compared to a filing system of endless folders, Imago provides a much simpler, smoother and more efficient way of processing images. You can continue to extract important insights from your images for crucial decision-making long after drilling is complete.”

Jeremy Lee
Exploration Geologist, IGO



Mining and exploration teams rely on Imago to:

- Capture consistent, high-quality imagery at the source
- Bring remote geological expertise to every site
- Eliminate subjective core logging with quantitative AI analysis
- Integrate imagery with logging and modelling workflows
- Validate interpretations and decisions with visual evidence
- Protect drilling investment with a secure digital record



Trusted geological decisions are powered by Imago

Capture consistent, high-quality imagery at the source

Standardise image capture across core shed and field workflows with Capture X for desktop and Capture for Mobile. Images move directly from the camera or device into the cloud, while on-screen quality feedback helps teams identify issues before leaving the site. Automatic naming and indexing reduce manual file handling and ensure imagery enters the workflow consistently organised and ready to use.

Bring remote geological expertise to every site

Give senior geologists immediate access to high-resolution imagery from remote and distributed drilling programs. Instead of relying on costly site visits or low-quality emailed photos, experts can review complex geology, mentor field teams, and provide oversight across multiple projects from anywhere. A shared digital workspace connects logging, validation, and modelling teams, ensuring critical decisions benefit from the right expertise without delay.

Eliminate subjective core logging with quantitative AI analysis

Imago's geoscience-specific Image Analysis runs natively where the imagery is already managed, transforming core tray photos into repeatable, structured outputs. Machine learning automates image preparation, cropping, linearisation, depth registration, RQD, fracture counts, core condition, tray characterisation, and colour analysis. Geologists can inspect, adjust, and rerun results against the original imagery before using them downstream, keeping expert judgement at the centre of the process.

Integrate imagery with logging and modelling workflows

Imago brings the visual record into the tools geoscientists already use. Integrations with Leapfrog, MX Deposit, acQuire, Oasis montaj, Target, and other geoscience applications connect imagery with drillhole data, logs, assays, and geological models. Imago Connect, the open API, and Seequent's Evo data pipelines support automated data movement and third-party workflows, reducing file handling and keeping imagery aligned with its geological context.

Validate interpretations and decisions with visual evidence

Logs, assays, and models are easier to trust when teams can trace them back to the original imagery. Imago allows geologists, resource teams, and mine planners to retrieve the correct image by drillhole, depth, or project and compare it with drilling data and models without searching disconnected systems or retrieving physical core. High-resolution viewing makes it easy to inspect geological detail, compare imagery types such as wet and dry core, investigate anomalies, and confirm assumptions using the same visual evidence.

Protect drilling investment with a secure digital record

Physical core can be sampled, damaged, degraded, or lost, but the insights it contains should remain available. Imago replaces scattered folders, drives, and inconsistent file names with a secure, searchable library that preserves each image with its associated drillhole, depth, project, and capture metadata. Standardised capture, traceable processing, controlled access, and cloud-based storage protect the value created by exploration and production programs while supporting governance, investor due diligence, compliance reviews, and future reinterpretation long after drilling is complete.

8/10
World's largest mining companies use Seequent technology

20+
Years of experience delivering geoscience solutions for mining

FEATURES

Turn geoscience imagery into accessible, analysis-ready data with Imago

Imago brings image capture, processing, management, visualisation, and analysis into a connected cloud-based workflow. Teams can create a consistent digital record, retrieve imagery quickly, and use it alongside drilling data and geological models.



Image capture

Capture consistent geoscience imagery and move it directly to the cloud

- Capture core trays, chips, outcrops, cuttings, and mine faces using Capture X for Desktop
- Work online or offline, then securely sync images when connectivity is available
- Check image quality during capture and run concurrent capture sessions across devices

Automated naming and indexing

Organise imagery without repetitive manual file handling

- Name images automatically using configured rules
- Attach the metadata needed to connect imagery with its geological context
- Keep images consistently ordered, searchable, and easy to retrieve

Image analysis

Use machine learning to turn core tray imagery into structured, reviewable data:

- Automate cropping, linearisation, and depth registration
- Generate solid core recovery, RQD, fracture count, colour, core condition, and tray characterisation outputs
- Review, adjust, and rerun results against the original imagery, with customer data kept out of model training

Drilling and modelling integrations

Bring imagery into the tools geoscientists already use

- Access corresponding core images directly within Leapfrog modelling workflows
- Connect imagery with drilling data in MX Deposit and acQuire
- Integrate with Oasis montaj, Target, Vulcan, Micromine, Datamine, Surpac, Geosoft, and other applications

Geoscience data visualisation

Inspect and compare imagery from anywhere

- Zoom into high-resolution images to examine geological features in detail
- View wet, dry, hyperspectral, and other image types for the same core interval
- Compare drillholes side by side and review imagery with overlaid assay data

Cloud-based data management

Create a secure, central source for geological imagery

- Store high-resolution imagery in a scalable cloud environment
- Organise data by workspace, project, site, dataset, and collection
- Migrate historical imagery and manage access through user permissions and security groups

Connectivity and data export

Automate image workflows and move data between systems

- Use Imago Connect and command-line tools for bulk uploads and scheduled synchronisation
- Connect external applications and partner solutions through the Open API and Evo data pipelines
- Export RQD and colour interval datasets and support OBJ interoperability through Evo

EXTENSIONS

Explore the key extensions available for Imago

Imago extensions give teams additional tools for field capture and growing image libraries. All extensions require an active Imago subscription.

Capture for Mobile

Capture geoscience imagery from the field using a smartphone

- Record outcrops, samples, mine faces, and other field observations
- Apply a consistent capture workflow across remote projects
- Upload images directly into Imago for central access and review

Storage

Expand cloud storage as imagery volumes grow

- Add storage to an existing Imago subscription
- Purchase capacity in 1 TB increments
- Keep expanding centralised and accessible image libraries



A world of support at your fingertips

Beyond the powerful features of Imago, 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.

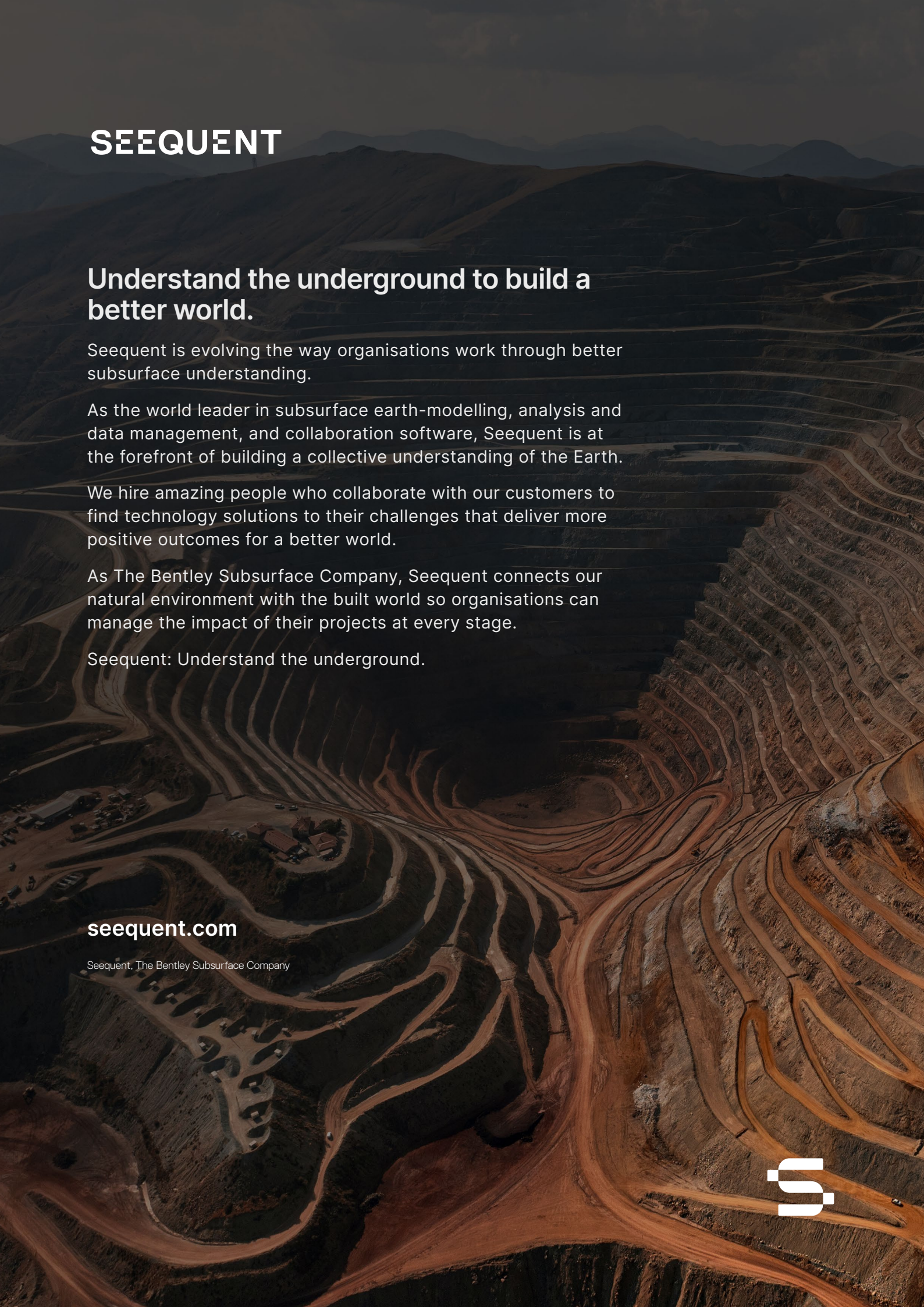
Get support →

95%
satisfaction with our front-line help and support



Discover the power of Imago today

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



SEEQUENT

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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