**OpenGround®**

SOLUTION BRIEF

# UNLOCK THE VALUE OF SUBSURFACE DATA: DELIVER SAFER, SMARTER PROJECTS WITH OPENGROUND

Whether dealing with a single borehole or vast multi-site projects, data challenges can quickly escalate, leading to costly rework, overlooked risks, and downstream delays. To reduce ground risk, ensure safety, and optimise project outcomes, it's critical for geotechnical information to remain accurate, accessible, and secure—from the first drilling sample to the final design deliverable.

**Seequent's OpenGround** is a secure, cloud-based geotechnical information management platform designed for site investigation contractors, engineering consultants, Departments of Transportation, and federal agencies. By centralizing factual geotechnical data, standardizing reporting processes, and enabling real-time collaboration, OpenGround helps teams streamline workflows and make data-informed decisions—no matter the project's size or complexity. The result? Fewer surprises, less rework, and greater confidence in every aspect of ground investigation.

**Seequent**

Seequent, The Bentley Subsurface Company

> "There's been a reduction in transcription errors and an increase in logging quality and consistency. We have cloud-based access from anywhere. Now, we have one central location for everything, and global cloud-based quality and security."

**John Briand**
Senior Geotechnical Engineer, CDM Smith

## Projects around the world rely on OpenGround to:

Improve data quality and reporting consistency

Remove data silos to reduce rework

Connect teams for faster collaboration

Reduce the cost of data capture

Give every stakeholder secure data access

Enable connected workflows across applications

# Successful projects are powered by OpenGround

### Improve data quality and reporting consistency

Inconsistent logs or incomplete lab results can confuse stakeholders and compromise decision-making. With OpenGround, you can use customizable configuration packs and report templates to align perfectly with corporate, client, or project requirements. By standardizing how data appears—whether in borehole logs, lab summaries, or executive dashboards—you'll avoid misinterpretation and present a clear, professional story every time.

### Remove data silos to reduce rework

Siloed or lost subsurface data leads to repeated work, overlooked risks, and higher project costs. OpenGround centralizes current and historical geotechnical data in one secure repository, giving you on-demand visibility into ground conditions, financial implications, and key project risks. By eliminating fragmented data sources, you streamline every step of the investigation process and reuse past insights for a better return on your investment.

### Connect teams for faster collaboration

Distributed teams and external partners need timely access to accurate data to make informed decisions, especially on large or complex sites. OpenGround's secure cloud platform and role-based access control let field crews, engineers, project managers, and supply chain partners share updates instantly, so everyone stays aligned on the latest data. That rapid feedback loop cuts down on delays and keeps your projects on schedule, even as priorities shift and new information comes to light.

### Reduce the cost of data capture

Manual data re-entry, inconsistent workflows, and costly mistakes from poor-quality data can quickly eat into budgets. With OpenGround's configurable mobile and desktop data entry profiles, you capture information once at the source, validating it on the spot before automatically syncing it across teams. This eliminates double entry, lowers QA/QC overhead, and reduces the likelihood of transcription errors.

### Give every stakeholder secure data access

No more battling disconnected spreadsheets, outdated portals, or searching through email accounts. By standardizing complex tasks into simple, repeatable workflows, OpenGround ensures your geotechnical data is always available and up to date in a secure, cloud-based environment. Choose from OpenGround i3 hosting for standard data volumes or OpenGround i5 for enterprise-scale projects with larger storage and web API access. With either option, you get active monitoring, robust backups, and cloud security, providing confidence that your data is safe and available anywhere.

### Enable connected workflows across applications

Geotechnical teams increasingly require a unified ecosystem that ties into in-house systems or commercial software to stay agile and future-ready. OpenGround's REST APIs and built-in connectors let you integrate with your internal applications, third-party tools, and the broader Seequent-Bentley ecosystem. As your organization's needs evolve—from AI-driven analytics to advanced 3D modeling—you'll have a modern, flexible foundation that grows right alongside you.

# Unify your geotechnical data lifecycle with OpenGround

OpenGround is a cloud-connected platform that streamlines field data collection, supports centralised and standardised data management, dynamic reporting, and advanced integrations in one comprehensive solution.
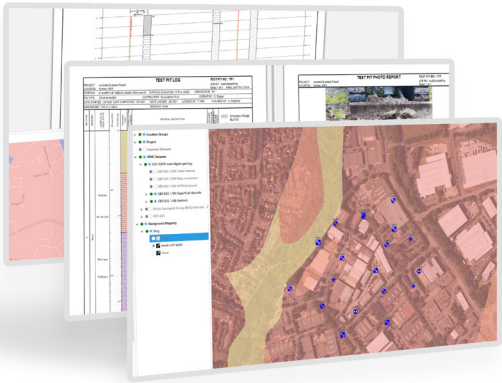


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| **Field data collector**<br><br>Tablet/mobile app works online or offline to capture consistent field data | Capture GPS coordinates, photos, and print sample labels from the app<br><br>Easy-to-configure data entry profiles, default values, and validation<br><br>Near real-time syncing ensures rapid data availability |
| **Data import**<br><br>Secure data import process with validation | Import from CSV, AGS, gINT, or pLog Tablet<br><br>DIGGS support (currently via third-party extension)<br><br>Dedicated portal for supplier data uploads |
| **Data management**<br><br>Single source of truth and document management for reports, images, and attachments | Powerful data mining (filter, group, and saved searches)<br><br>Disaster recovery and automated backups<br><br>Extendable core data model offering flexibility and scalability |
| **Access management**<br><br>Ensure compliance with centralized monitoring of user activities | Configurable role-based permissions for secure collaboration<br><br>Flexible team structures and user grouping<br><br>Federated single sign-on support |

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| **Reporting tools**<br><br>Turn data into clear insights; export to PDF or query via connected applications | Fast preview of borehole logs, sections, site plans, and summary sheets<br><br>Built-in lab test reporting and engineering summary charts<br><br>Localized report templates for different regions or standards |
| **Customizable templates**<br><br>Design and reuse corporate or project-specific templates with a drag-and-drop interface | 35+ object types and 100+ expressions to tailor logs and charts<br><br>Generate combined or dynamic logs (multiple drilling types)<br><br>Save reusable templates at the configuration pack, project, or local level |
| **Integrated GIS**<br><br>Accurately position boreholes and visualize data in context | Microsoft Bing mapping for instant location context<br><br>Overlay DXF and SHP files for richer site plans and topography<br><br>Link real-time datasets via WMS connections |
| **Industry interoperability**<br><br>Ensure compatibility with industry standards and other common software | REST API for custom integrations and third-party apps<br><br>Import, export, or link data to any application<br><br>Direct integration with AutoCAD Civil 3D and enterprise reporting with Power BI |
| **Integration with Seequent & Bentley ecosystems**<br><br>Maximise efficiency with connected workflows and tools | Share geotechnical data through a cloud-connected environment.<br><br>Direct integration with Leapfrog and the Bentley Open Design Applications<br><br>Analysis integration for GeoStudio and PLAXIS via Seequent Central |
| **Intuitive interface and app management**<br><br>Install and update new apps quickly for fast team-wide adoption | One-click install and notifications for app and service updates<br><br>Easily manage software rollout across your organization<br><br>Streamlined UI ensures minimal IT overhead |

# A world of support at your fingertips

Beyond the powerful features of OpenGround, Seequent—the Bentley Subsurface Company—offers comprehensive support and learning resources to help you get the most out of your investment.

### Learning Centre

Maximise the value of OpenGround with a range of flexible learning opportunities. 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 geotechnical engineers through our community. Whether you're looking for peer support, insights from industry experts, or practical tips to get the most from OpenGround, the community offers a space for shared learning and collaboration.

Join the community →

**7,400+**
customers in 145+ countries

### Support

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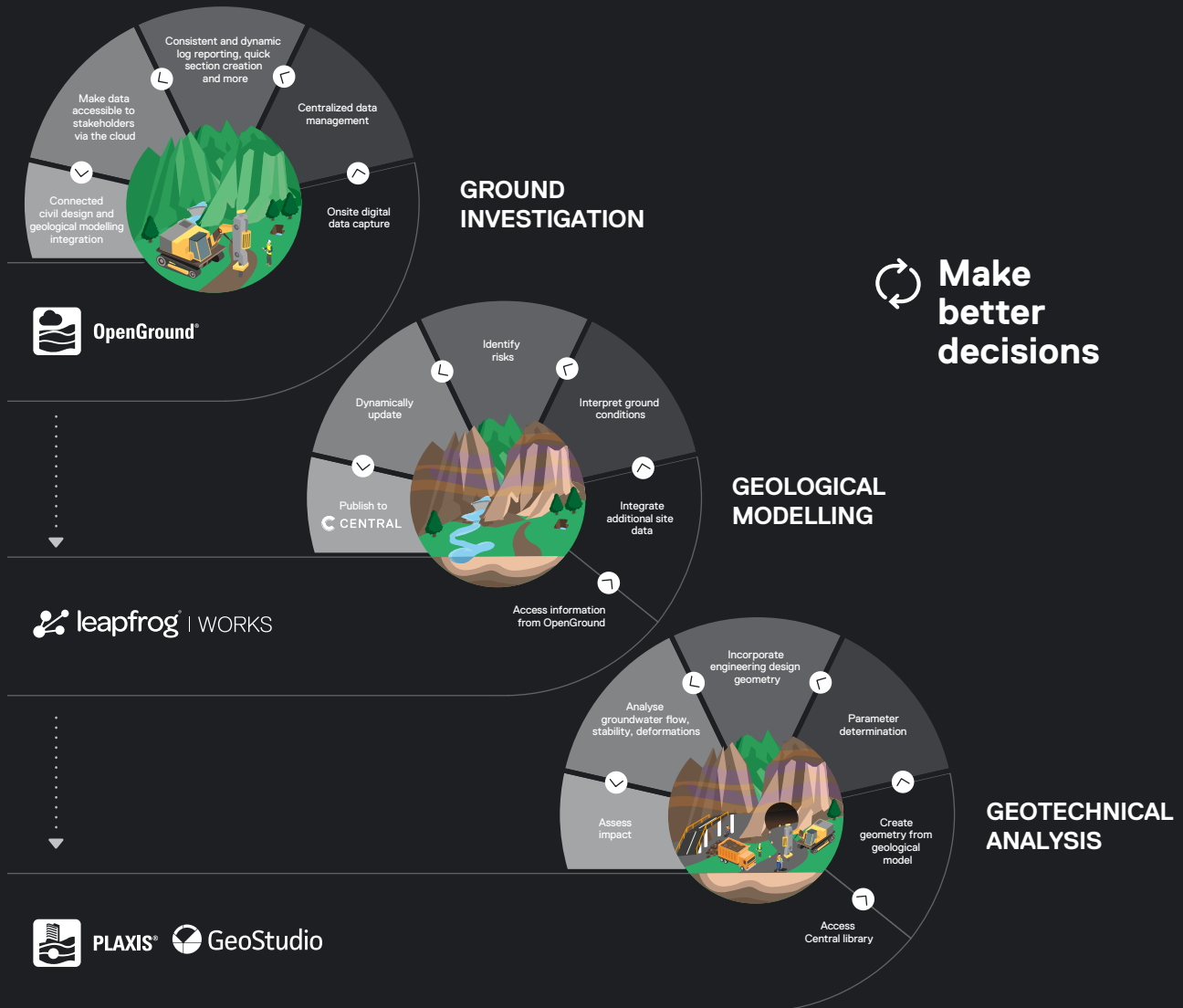
Get support →

**95%**
satisfaction with our front-line help and support

# Seequent's connected geotechnical product workflow

Reduce errors and accelerate geotechnical understanding, collaboration, and productivity with an end-to-end solution



**GROUND INVESTIGATION**

- Consistent and dynamic log reporting, quick section creation and more
- Centralized data management
- Onsite digital data capture
- Connected civil design and geological modelling integration
- Make data accessible to stakeholders via the cloud

**OpenGround**

**Make better decisions**

**GEOLOGICAL MODELLING**

- Identify risks
- Interpret ground conditions
- Integrate additional site data
- Access information from OpenGround
- Publish to CENTRAL
- Dynamically update

**leapfrog | WORKS**

**GEOTECHNICAL ANALYSIS**

- Incorporate engineering design geometry
- Parameter determination
- Create geometry from geological model
- Access Central library
- Assess impact
- Analyse groundwater flow, stability, deformations

**PLAXIS**   **GeoStudio**

## Discover the power of OpenGround

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

## About Seequent

Seequent, The Bentley Subsurface Company, helps organisations to understand the underground, giving them the confidence to make better decisions faster.

Seequent builds world-leading technology that is at the forefront of Earth sciences, transforming the way our customers work.

Every day we help them develop critical mineral resources more sustainably, design and build better infrastructure, source renewable energy, and reduce their impact on the environment.

Seequent operates in 145+ countries while proudly maintaining headquarters in New Zealand.

**10/10**
of the world's largest civil engineering companies use Seequent software

**7/10**
of the world's largest environmental consultancies use Seequent software

seequent.com

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