

OpenGround® Cloud

Increase the Value of Your Geotechnical Data

OpenGround Cloud is a secure, cloud-based collaboration service for geotechnical data management. The multiproject environment allows your team to collaborate whether they are collecting data in the field, reporting, scheduling, or integrating data with their design software. The intuitive application provides you with several connected apps that provide your team members with all the tools they need.

Increase Collaboration with Federated Data Access

OpenGround Cloud provides a single federated data repository for all your ground investigation projects and allows team members to access it using customizable role-based permissions. The application ensures that everyone has the correct access rights to the most up-to-date version of your data. You will no longer keep local copies or need to email data to your teams.

Advance Dynamic Geotechnical Data across Applications

A live connection between Microsoft Excel and OpenGround Cloud ensures that any data analysis can be presented using standard Excel tools and techniques. Connections with BIM, CAD, and Bentley's open applications allow you to automate the updating of drawings and models as soon as new data becomes available in OpenGround Cloud.

Access Your Data Quickly

Making your data accessible to your project team immediately is possible with OpenGround Cloud. Data can be efficiently collected and synchronized with the OpenGround Cloud Data Collector on your tablet in the field or entered using the fully customizable data entry profiles in OpenGround Cloud Data Entry in the office or from a remote location.

For existing data, OpenGround Cloud has flexible import options available for your internal team and supply chain, so you won't have to type your data more than once.

OpenGround Cloud helps your IT team extend the use of the system throughout your organization by enabling easy-to-do roll outs and upgrades.

Standardize Your Data and Reporting

By centralizing and standardizing your geotechnical data model you can enforce data collection standardization across your team while also allowing project managers to add customization for individual projects. OpenGround Cloud can be set up to work with multiple standards by extending the core data model allowing your team to have the most appropriate configuration for their current project.

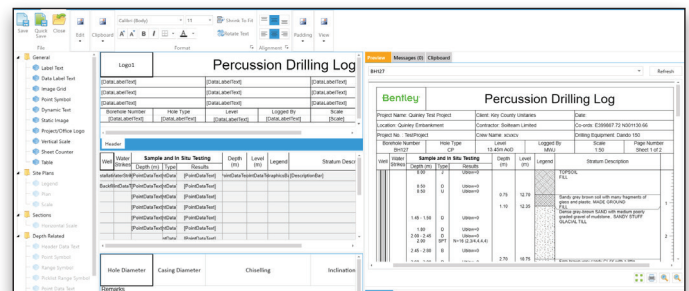
You can also standardize logs and sections with fixed or dynamic content using your standardized templates and dynamic data strips. This standardization process ensures corporate standards are met while giving project managers the flexibility to change what is reported when required.

Share Knowledge with Your Whole Team

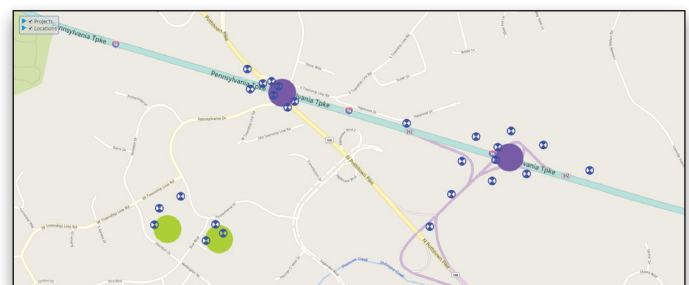
Realize the value of your historic project data by importing local files hidden in project folders into OpenGround Cloud. The bulk importing capabilities enable you to build a spatial archive within days. Combine your current OpenGround Cloud project knowledge with your historical data and make it accessible to your team and watch their combined knowledge grow.

An Extensible Cloud Platform

By utilizing powerful OpenGround Cloud web services, organizations have the freedom to build applications on top of the core platform, or take advantage of powerful third-party apps and services, empowering developers to create innovative data capture, analysis and visualization tools, interface with existing systems, and streamline enterprise workflows.



The dedicated administration feature allows organizations to create and deploy standards.



Single spatially aware central repository.

System Requirements

Minimum

Dual Core Intel or compatible
2 GHz processor
4 GB of RAM
5 GB of available hard drive space
600 x 900 resolution
Windows 8.1
Internet Connection

Recommended

Quad Core Intel or compatible
2 GHz processor
8 GB of RAM
10 GB of available hard drive space
1920 x 1080 resolution
Windows 10
Internet Connection

Browser Compatibility

Current version of Chrome,
FireFox, and Edge

**Find out about Bentley
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OpenGround Cloud At-A-Glance

Access Management

- Configurable role-based user permissions
- Flexible team-based groups and roles
- Single sign on support

Tablet Data Collection

- Central configuration using admin portal
- Customizable data entry profiles
- Seamless data synchronization with cloud services
- Full log preview
- Sample label printing
- Photograph support
- Windows or Android

Integrated GIS

- Microsoft Bing mapping
- Support for DXF, SHP import
- Dot Plot overlays and Site Plan generation
- Link to online datasets using WMS
- Position locations for drilling teams

Entering Data

- Designed for fast and easy data entry
- Enter data in primary or secondary units
- Integrated validation and spell checking
- Customizable soil description builder
- Copy record options and default values
- Support for calculated fields and default values
- Customizable grid-based workflows
- Imports for CSV, AGS3.1/4, gINT®, GEODASY, pLog

Data Management

- Extendable core data model
- Data mining (filter / order / group)
- Zone projects with location groups
- Saved searches
- Pick list and abbreviations management
- Advanced calculated fields
- Integrated document management

Report Production

- Fast graphical log preview and PDF printing
- Logs, sections, site plans, summary sheets, and charts
- Customize templates using Template Studio

Customize Templates

- Borehole logs, header sheets, site plans, and sections
- Combined logs showing multiple drilling
- Microsoft Office style interface
- 30+ pre-made drag-and-drop object types
- 100 pre-made expressions
- Save at configuration pack, project, or local level
- Text grouping and collision

Geotechnical Data in Excel

- Automated production of summary tables, measure sheets, and reports
- Filter and group data by multiple parameters
- Filter by location groups
- User-defined sorting criteria

- Automatic production of graphs and summary plots
- Dashboards by location and geology
- Built-in designer for design of new templates
- Support for Excel's formatting functions
- Use of Excel calculations on worksheets
- Support for pivot tables and charts

Geotechnical Data in CAD

- Automatic display of 2D and 3D boreholes
- Define multiple geotechnical hatches
- Control over 3D boreholes and log strip styles
- Create geology strata surfaces
- Include/exclude locations in strata model
- Strata color and material control
- Create geotechnical profile views with strips
- Modify alignments and update profile views
- Automatically hatch the strata areas
- Display additional geotechnical data
- Point groups based on geotechnical data
- Create surfaces from any geotechnical data

Web Portal

- Integrated GIS mapping
- Intuitive grid and tab-based interface
- View and download project documents
- Review logs
- Secure multistage data import process

OpenGround Cloud Launcher

- Install and update new apps with a single click
- Securely launch multiple apps from one login or SSO
- Receive notifications for app updates
- Keep informed about service updates
- Manage app roll out across your organization
- No IT access required for app updates

Platform Development

- Extensive (REST) web API
- Produce output in any application
- Link data into any application
- Import data from any application
- Free Bentley Developer Network membership for internal app development
- Application development support

Data Collection

- Data synchronization with the cloud in one step
- Optimize for touch
- Intuitive steps, forms, and grids
- Full log preview
- Sample label printing
- Integrated GPS support
- Photograph support
- Data validation with configurable settings
- Support for offline data capture
- Configuration options with data entry profiles, steps, forms and grids, defaults values, calculated fields, expressions, and conditional logic