EQuIS™ Geotech

Automate ◆ Standardize ◆ Centralize

Experience the power of EQuIS Geotech!
Modernize and automate geotechnical data management

EQuIS Geotech extends the EQuIS software suite and manages geotechnical and environmental data in a single enterprise solution. EQuIS Geotech provides web forms for data entry, customizable reporting templates, and geotechnical-specific workflow components. Numerous native EQuIS data operations are integrated, including migration capabilities and visualization tools. EQuIS Geotech improves data quality and streamlines project workflows for large-scale geotechnical data management.

EQuIS Geotech Workflow

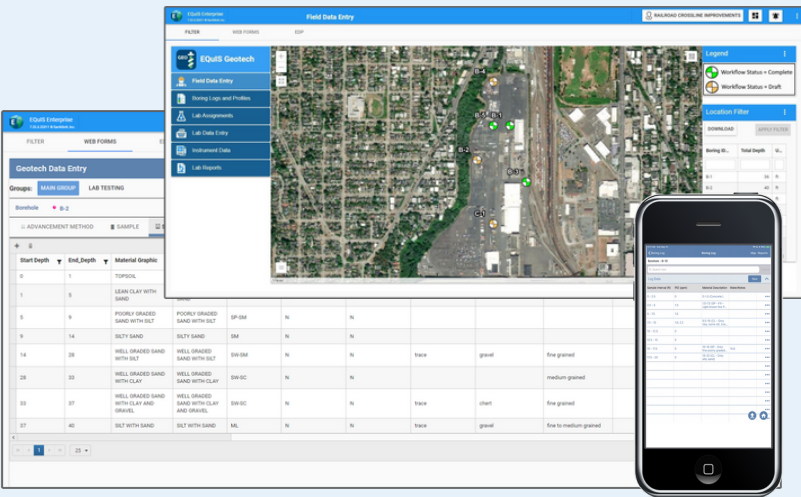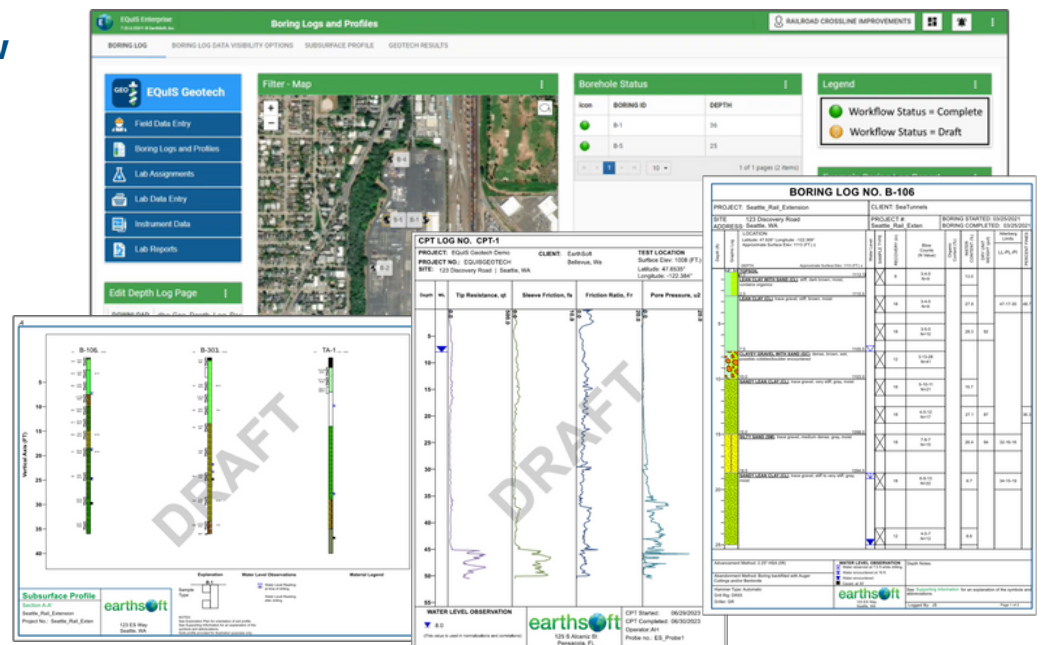Project Planning　　Field Activities & Data Collection　　Boring Log Data Review　　Lab Assignments & Testing　　Instrument Data　　Analyze Visualize & Report

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EQuIS Geotech Workflow

Project Planning

- Setup project information
- Project planning workflows include standard EQuIS project setup and optional connections to client applications using REST API
- Prepare exploration plans, including proposed boring locations, methods, and depths (etc.)
- Schedule and disseminate the exploration plan to the field crew

Field Activities & Data Collection

- Capture drill sample information on paper or with EQuIS Collect
- Field logs are entered into browser-based Web Forms, conforming to organizational data standards
- Load cone penetrometer test (CPT) and dilatometer test (DMT) data
- Web Forms are configurable for efficient data entry and various data types
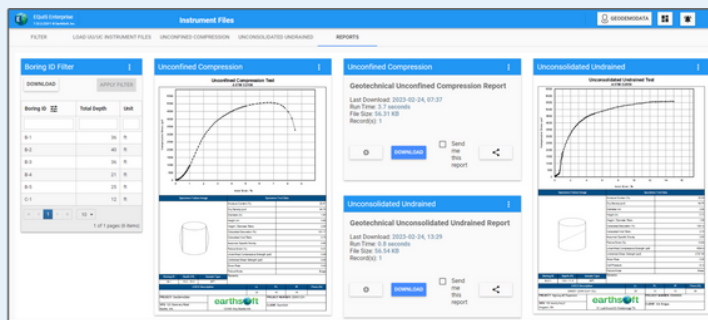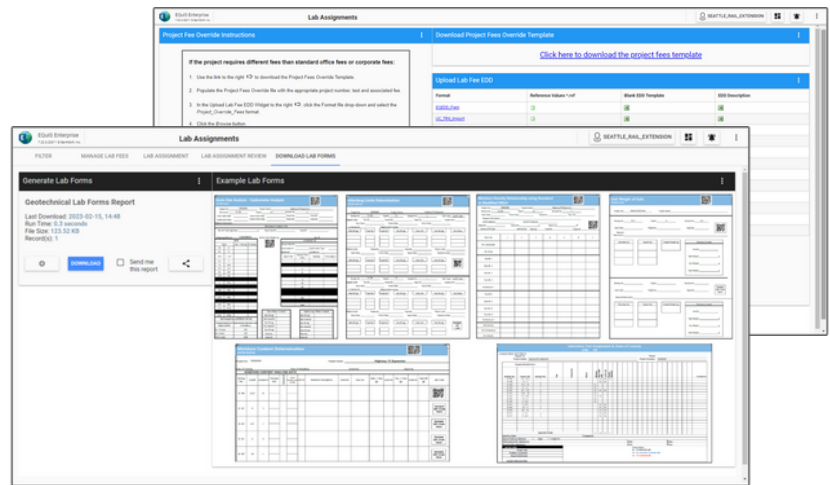
Boring Log Data Review

- Quickly generate soil boring logs and profiles, CPT logs, and DMT logs to review subsurface site conditions
- Map and grid-based filtering to review boring log data
- Review and modify data to reflect observed subsurface conditions

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EQuIS Geotech Workflow

Lab Assignments & Testing

- Assign required lab testing based on project requirements and observed field results
- Assign labs and associate corporate, regional office, or project lab fees
- Lab forms support electronic import or hand entry of lab results
- Store raw lab data and reporting calculations directly in EQuIS Geotech
- Lab data review templates include Atterberg limit, grain size, water content, and more
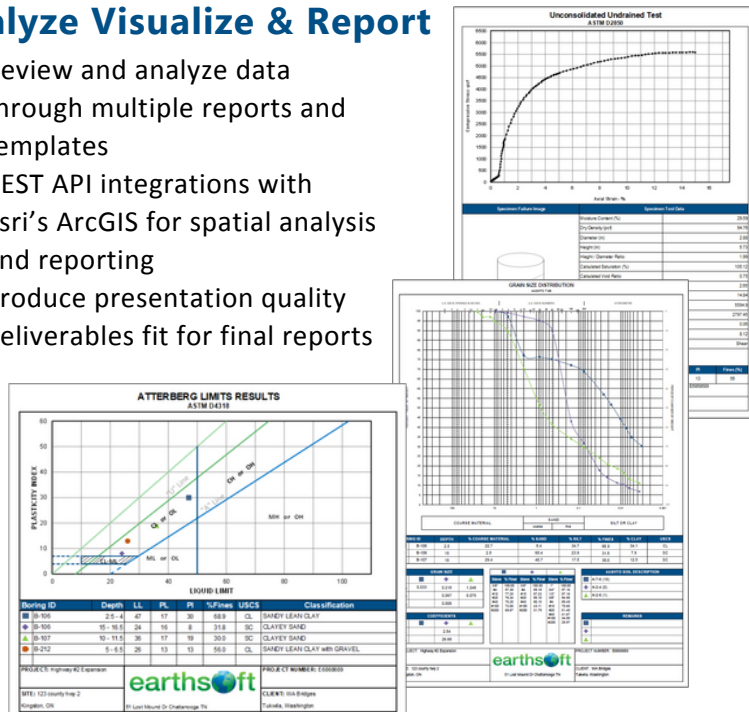

Instrument Data

- Batch load instrumentation data files using configurable data templates
- Review and report UU/UC and more

Analyze Visualize & Report

- Review and analyze data through multiple reports and templates
- REST API integrations with Esri's ArcGIS for spatial analysis and reporting
- Produce presentation quality deliverables fit for final reports
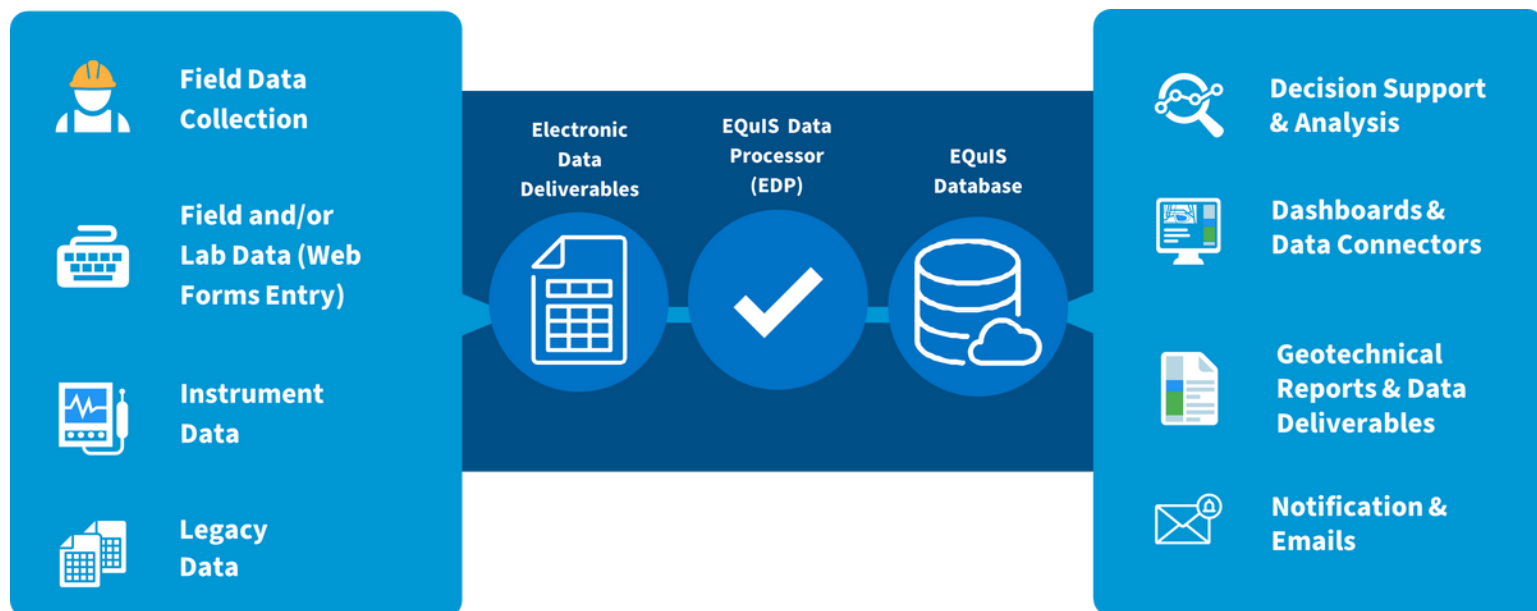

Standard Reports

- Boring, CPT, and DMT Logs
- Subsurface Profile
- AGS4 Export
- Atterberg Limits - ASTM D4318
- Particle Size Analysis - ASTM D422
- Sieve Analysis - ASTM D6913
- Hydrometer Analysis - ASTM D7928
- Unconfined Compression - ASTM D2166
- Unconsolidated Undrained - ASTM D2850
- Compaction - ASTM D698/D1557
- Grain Size Analysis - AASHTO T-88
- Geotechnical Lab Summary and Results
- Geotechnical Lab Forms
- gINT Export
- and more....

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Features

- Modular, scalable, repeatable workflows for multi-project portfolios

- Supports raw lab data and incorporates industry standard ASTM calculations

- Import/export EQuIS data in AGS v4.0.4 format

- Produces industry standard geotechnical boring, CPT, and DMT logs

- Built-in reports designed to mimic industry standard formats

- Direct data entry workflows with Web Forms, EQuIS Collect Forms, or EDDs

- Open Systems Model – REST API supporting various third-party integrations

Benefits

- Scalable, supported enterprise geotechnical data management solution

- Easily generate boring logs from EQuIS EnviroInsite, Collect, Professional and Enterprise and in Esri ArcGIS Pro using ArcEQuIS

- Planned EQuIS release schedule keeping pace with newest technology standards

- Developed through collaboration with industry leaders

- 25+ years of EQuIS client-driven development and client-focused support

Field Data Collection

Field and/or Lab Data (Web Forms Entry)

Instrument Data

Legacy Data

Electronic Data Deliverables

EQuIS Data Processor (EDP)

EQuIS Database

Decision Support & Analysis

Dashboards & Data Connectors

Geotechnical Reports & Data Deliverables

Notification & Emails

Own the workflow, make better decisions

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AUTODESK Authorized Developer

Microsoft Partner

esri Partner Network Gold