



# EQulS<sup>®</sup> Geotech

Automate • Standardize • Centralize

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

EQulS Geotech extends the EQulS software suite and manages geotechnical and environmental data in a single enterprise solution. EQulS Geotech integrates mobile field data collection with EQulS Collect, efficient manual data entry (Web Forms), and laboratory and instrumentation Electronic Data Deliverables (EDDs).

Furthermore, EQulS Geotech stores raw lab data, integrates with GIS/CAD applications to generate a wide array of configurable reports, and can connect to internal Enterprise Resource Planning (ERP) systems through a REST API.

Numerous native EQulS data operations are directly integrated, including migration capabilities and visualization tools. EQulS Geotech improves data quality and streamlines project workflows for large-scale geotechnical data management.

## EQulS Geotech Workflow



Project  
Planning



Field Activities  
& Data  
Collection



Boring Log  
Data Review



Lab  
Assignments  
& Testing



Instrument  
Data

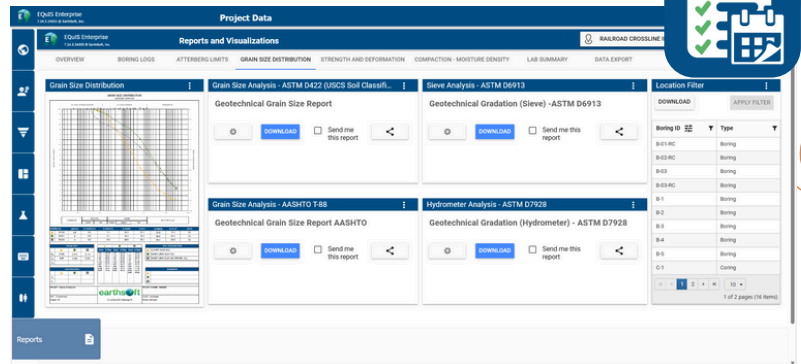


Analyze  
Visualize &  
Report



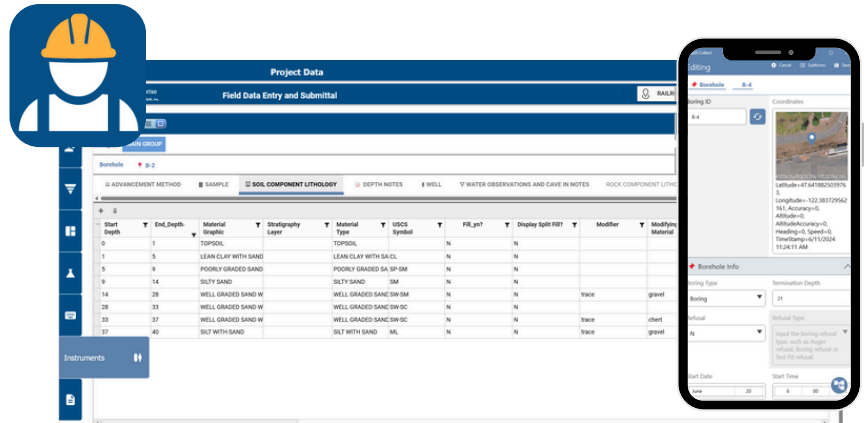
## Project Planning

- Setup project information
- Project planning workflows include standard EQulS 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



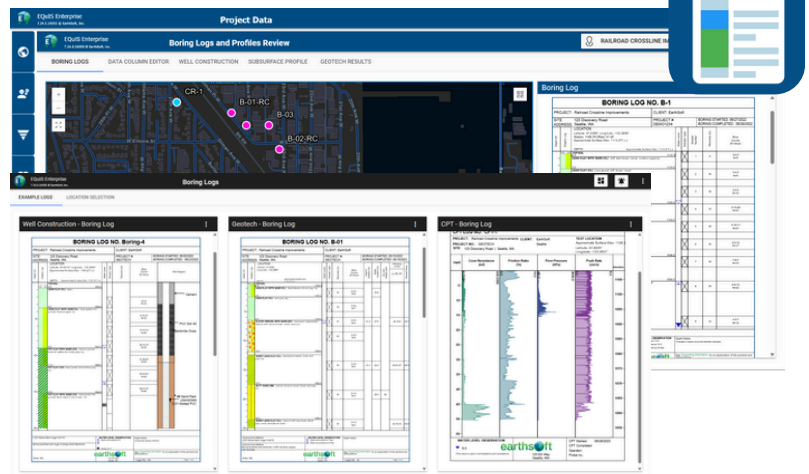
## Field Activities & Data Collection

- Capture drill sample information on paper or with EQulS 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

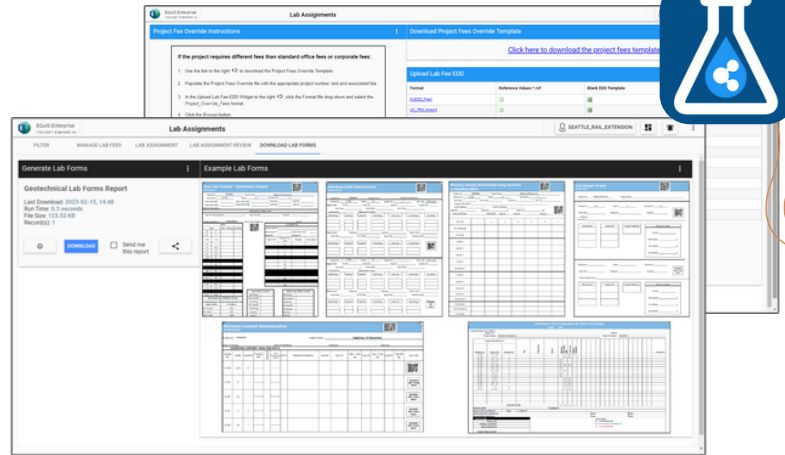
- Quickly generate soil boring logs and profiles, CPT logs, and DMT logs to review subsurface site conditions
- Map and grid-based filtering to review boring log data
- Review and modify data to reflect observed subsurface conditions





### 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 EQulS Geotech
- Lab data review templates include Atterberg limit, grain size, water content, and more



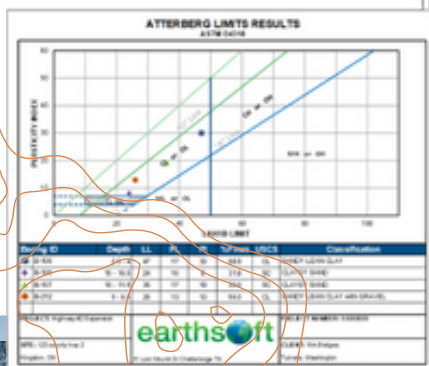
### Instrument Data

- 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
- AGS 4 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
- CAD Exports (DXF, DWG, DGN, etc.)
- and more....

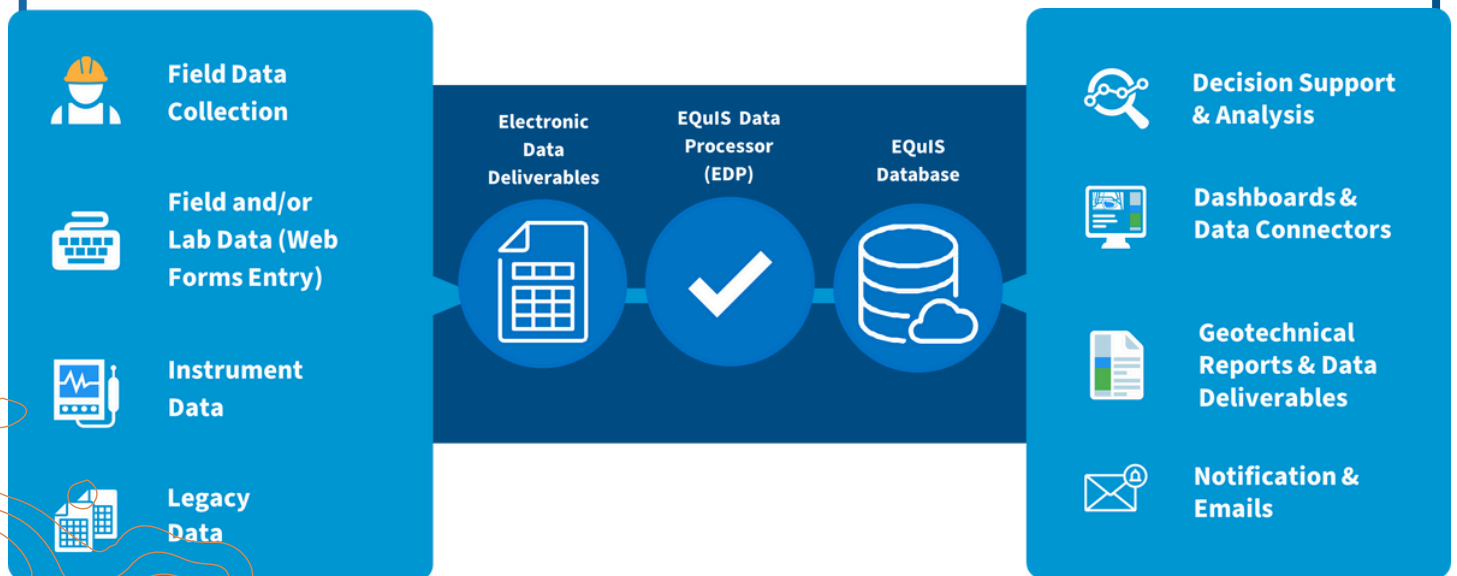
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## Features

- Modular, scalable, repeatable, and automated workflows for multi-project portfolios.
- Built-in dashboards for easy data entry and analysis.
- Import/export EQulS data in an AGS v4.0.4 format
- Produces industry standard geotechnical boring, CPT, and DMT logs.
- Supports raw lab data and incorporates industry standard ASTM calculations.
- Built-in reports designed to mimic industry standard formats.
- Direct data entry workflows with Web Forms, EQulS Collect Forms, or EDDs.
- Open Systems Model – REST API supporting various third-party integration

## Benefits

- Scalable, supported enterprise geotechnical data management solution
- Easily generate boring logs from EQulS EnviroInsite, Collect, Professional and Enterprise and in Esri ArcGIS Pro using ArcEQulS
- Planned EQulS release schedule keeping pace with newest technology standards
- Developed through collaboration with industry leaders
- Professionally designed SQL in EQulS Schema
- 30+ years of EQulS client-focused, worldwide support teams



Own the **workflow**, make **better decisions**

