



LogitEasy - Technical Specification and System Requirements 2016

Description	LogitEasy software consists of two parts: 1) Workspace - Web-based project workflow management system for drilling event planning and boring/well log generation. It allows boring/well construction data entry, fieldwork assignment and drilling bid specification preparation, and includes secure client and site data storage. 2) LogitEasy eForm - a browser-based solution for geological logging of boreholes that is housed within the Workspace site.
Program	The LogitEasy eForm is programmed in JAVA using the Google Web Toolkit (GWT). The GWT is a software development kit that provides a set of core Java APIs and Widgets. These allow AJAX applications to be written in Java and the source then compiled to highly optimized JavaScript that runs across all browsers, including mobile browsers for iPhone and Android.
User Interface	The LogitEasy eForm is an interactive field logging form that mimics the appearance of traditional field forms and allows for simultaneous data entry and log viewing.
Operating Systems	The LogitEasy eForm is designed to run on Windows, iOS, and Android operating systems.
Devices Supported	The LogitEasy eForm can be used on personal computers (PCs), Apple iPad 2 and higher, and Samsung Galaxy Tab 3 10.1 (Android devices with screen resolution 1280 x 800 pixels).
Operating Mode(s)	The LogitEasy eForm can be used on-line via cellular/Wi-Fi connection, and off-line (requires installing web app for off-line use).
Data Types Managed	The LogitEasy eForm allows the recording of the following data: sample collection, description, measurement, lab samples, remarks; general drilling event, boring, and well construction information; groundwater level data, location data (GPS). Lithologic descriptions include soil and rock, and frozen soil. Measurements include fractures.
Data Validation	The LogitEasy eForm provides validation for depth data, soil descriptor relationships, and ensures valid data entry through the use of labelled option buttons and, where appropriate, dropdown lists.
Technical Standard Basis	The LogitEasy eForm is based upon the Unified Soil Classification System (USCS) and ASTM D2488 Visual-Manual Procedure. Rock classification and fracture description are based on International Society of Rock Mechanics (1981) and Bureau of Reclamation (2001) standards. Frozen soil classification is based on ASTM D4083 Description and Classification of Frozen Soils.
Accessibility/Rights	The LogitEasy eForm can be viewed from the office once the data has been synchronized with the cloud (view rights only). The user assigned to logging in the field has sole edit rights to the form.
Third Party Software Integration	Data entered into the LogitEasy eForm can be exported into gINT and LogPlot format data import files. Please contact us for integration with other third-party boring log software.
Data Storage	The LogitEasy eForm, when used on-line, stores logs on and retrieves logs from LogitEasy server using RESTful services. The LogitEasy server application is programmed using PHP and hosted by Amazon Web Services in the United States. The LogitEasy eForm, when used off-line, stores data in the web browser's local memory - cache - until synchronization with the server.
Data Security	LogitEasy employs SSL/TLS protocols to ensure secure data transfer (privacy) between users and the LogitEasy Workspace. These protocols ensure that no third party may eavesdrop or tamper with any message during client communication with the server.
License Fees	The LogitEasy eForm has no license, support, maintenance, or version upgrade costs.
Usage Fees	The LogitEasy eForm is priced on a per use basis and is free (Free Logs) or costs \$20/borehole, regardless of depth (Premium Logs). The deliverables include: 1) PDF of log, 2) gINT or LogPlot data file (Premium Logs only), and 3) data base (Excel) file (not included with Free Logs).