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D4 'ARGUS' MONITORING SOFTWARE

Description

'ARGUS' is an easy-to-use software suite with a graphical user interface (GUI) that allows quick and easy interpretation of large amounts of instrumentation data from a variety of sources.

Readings can either be imported automatically from almost any data acquisition system, or alternatively uploaded manually to 'ARGUS' from a variety of data sources.

The data is then calculated and displayed in user selectable engineering units, which can be compared to site specific thresholds. The user can receive over-threshold alerts via email.

'ARGUS' is a powerful software tool that will improve the efficiency and effectiveness of your geotechnical or structural monitoring projects.

Features

- **Handles all data processing requirements**
- **Fully configurable to suit specific project requirements**
- **Run from a server**
- **Reliable open-source operating system**
- **Multiple language support**
- **Accessible from anywhere that has an internet connection**
- **Available 24 hours a day**

Benefits

- **No software installation required**
- **Provides a reliable and cost-efficient method for processing and monitoring ASCII files with numerical data**
- **Imports from almost any data acquisition system**
- **No limit to the number of sensors that can be processed**
- **Allows access to data from multiple users at any time from any internet-connected PC**
- **Data can be protected using different user permission levels**
- **Can send automated alarms on pre-set trigger levels**
- **Allows the input of manual data**

PRECISELY MEASURED
instrumentation and monitoring

Operation

'ARGUS' can be purchased in one of two options; a hosting or an administration package.

When using the hosting package, 'ARGUS' is installed on itmsoil servers and the client rents the use of the software depending on a number of requirements, such as; number of sensors and period of use.

With the administration package, the client owns the software and it is installed on their own server. A one year maintenance contract is required with the purchase which provides all the necessary updates and support from itmsoil.

Once 'ARGUS' hosting has been purchased or an 'ARGUS' administration package installed, projects can be created, logos changed or added, sensor setup edited and projects configured over an easy-to-use web interface.

'ARGUS' is an open system that uses a reliable open-source operating system, web server, database and programming language, which allows import of data from many sources and formats.

'ARGUS' Monitoring Software has been developed for the LAMP system (Linux Apache MySQL PHP). The software is based on PHP, using the MySQL relational database to store its data and the Apache web server to present the data online.

'ARGUS' is always online, a true multi-tasking data management and presentation tool. It can import data from automated systems, allow manual data entry, changes to its configuration, display graphs, present plots and send reports, all at the same time, from different locations and for multiple users.
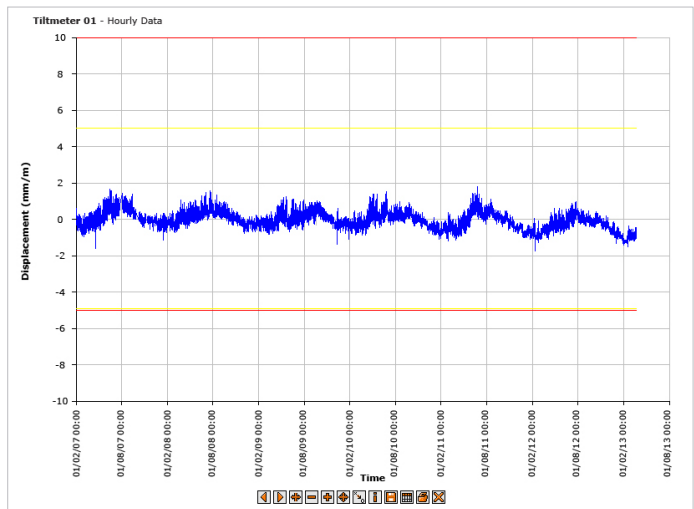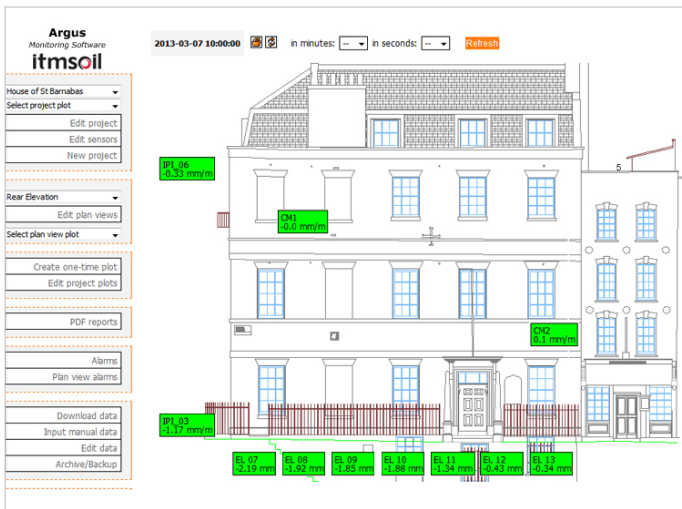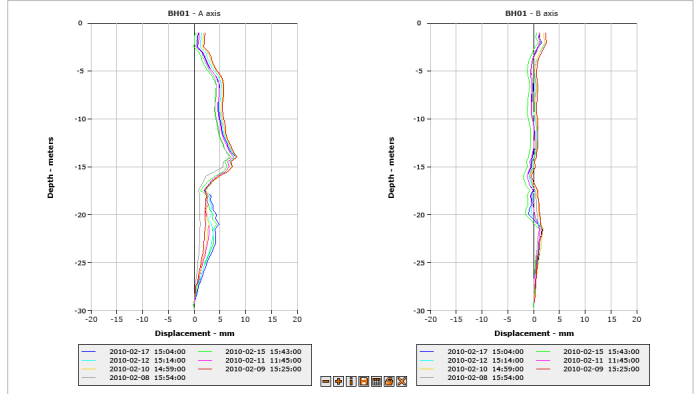
Applications

The most distinctive property of 'ARGUS' is its ability to store raw data in the database and present the calculated results 'on the fly' to the user. This ensures that the presented results are always up to date; a change in the calculation method or the raw data is instantly visible.

'ARGUS' can be used in nearly all data producing applications.

Typical applications include data from:

- Railway track monitoring
- Tunnels (both construction and operation)
- Manual survey points
- Dams and bridges
- Structures affected by construction
- Pipelines
- Mining projects
- Metro/underground systems
- Large structure construction/monitoring (power stations)

Specifications

'ARGUS' Monitoring Software

Password protected access with three main levels of privileges

Multiple projects with company logos and start-up logos

Multiple users per project available; no licences to pay for additional users

Unlimited amount of plots (pre-defined) per project

Multiple views of the project

Automated and manual import of ASCII files

Watchdog function to generate an email and/or text message alarm

Complex formula builds with references to any sensor in the project

Four alarm levels configurable per sensor

Detailed alarm logging

Automatic generation of PDF reports

Add-ins/plug-ins add project-specific functionality such as inclinometers

Supports multiple languages

'ARGUS' User Computer Requirements

Any operating system

Any internet browser

Internet connection

Languages

English

French

German

Dutch

Chinese

Spanish

Finnish

Russian

Please contact our sales department for more information regarding server requirements.

Ordering Information

'ARGUS' Monitoring Software

Administrator packages

D4-1.1	'ARGUS' 1500 Monitoring Software – Administrator's licence, up to 1500 sensors
D4-1.1-M	'ARGUS' 1500 Annual Maintenance Contract – First year compulsory
D4-4.1	'ARGUS' Unlimited Monitoring Software – Administrator's licence, unlimited number of sensors
D4-4.1-M	'ARGUS' Unlimited Annual Maintenance Contract – First year compulsory

Hosting Packages

D4-2.0	'ARGUS' Hosting Set-up Charge – Includes setting up the account in itmsoil business system, setting initial logins and passwords for web and ftp access, creating a directory structure and allocating a database for the account, creating an example project, sensor entry, example plan view, trend graph and PDF report with one sensor on each
D4-2.1	'ARGUS' Monthly or Three-monthly Monitoring Rental Package for 1-50 sensors
D4-2.2	'ARGUS' Monthly or Three-monthly Monitoring Rental Package for 51-250 sensors
D4-2.3	'ARGUS' Monthly or Three-monthly Monitoring Rental Package for 251-500 sensors
D4-2.4	'ARGUS' Monthly or Three-monthly Monitoring Rental Package for 501 or more sensors
D4-2.9	Set-up Charge per Sensor – Includes project set-up, sensor entries, and initial placement of sensors on plan views, minimum fee for 20 sensors

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