I-SITE DATA PRESENTATION SOFTWARE

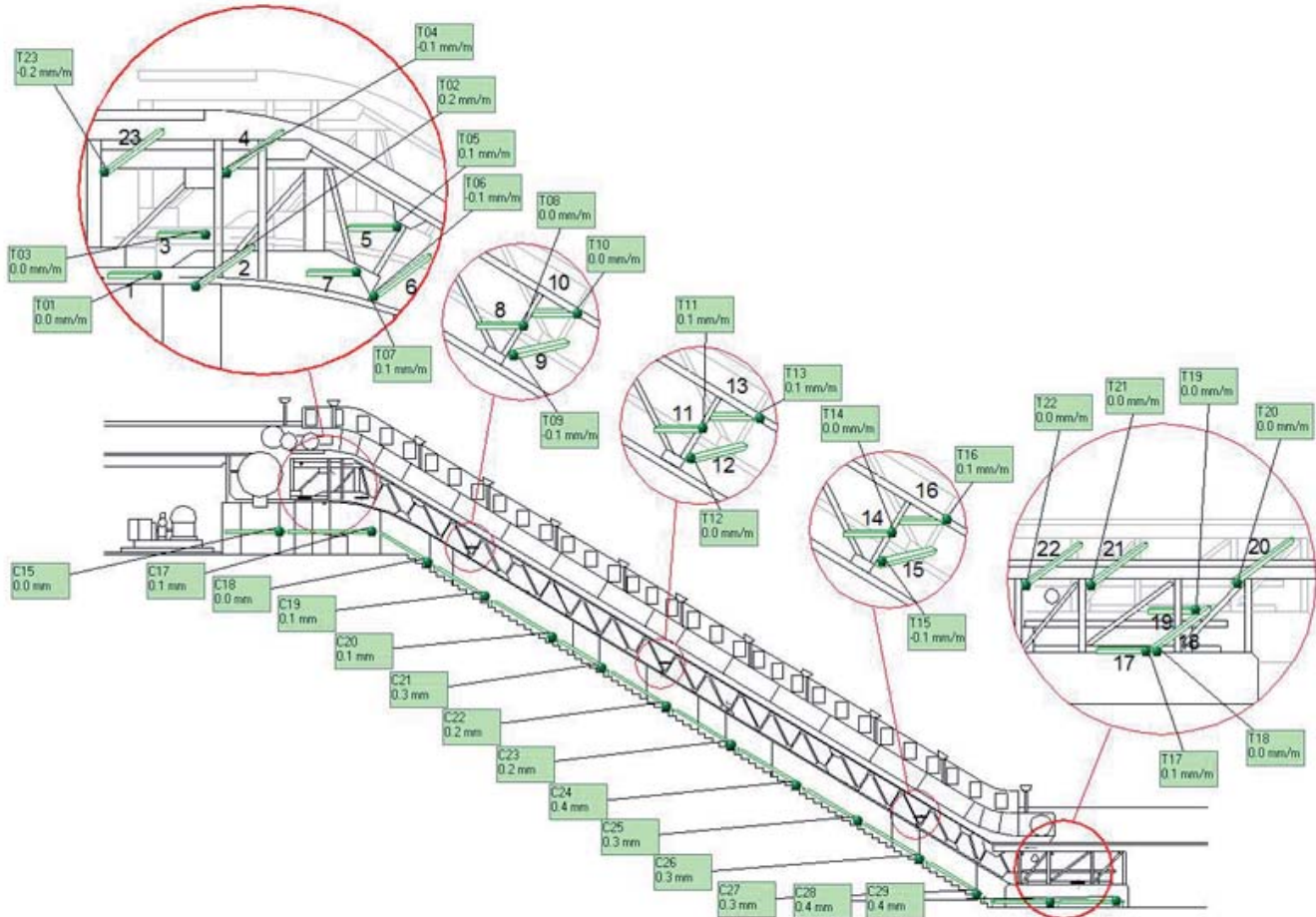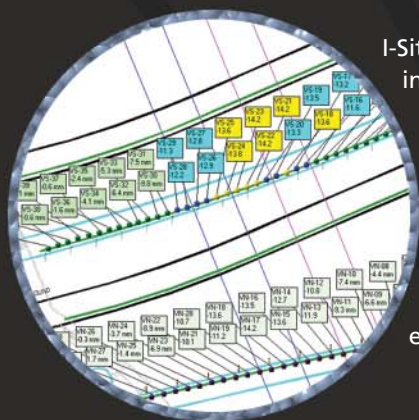**Soil Instruments Ltd**

DATASHEET D2

PRODUCTS

FEATURES

- Data are presented as pictures, cross-sections or plans, for easy visualisation
- Near real time automated data processing and presentation
- Highly configurable, to suit specific projects requirements
- Can be run on a network so members of a project team can share the data
- No limit to the number of sensors that can be processed

I-Site is an easy to use graphical front-end software suite designed to allow quick and easy interpretation of large amounts of instrumentation data from a variety of sources.

Readings are automatically imported from almost any data acquisition system then calculated and displayed in user selectable engineering units, which can then be compared to site-specific thresholds (up to 3 per sensor). Over-threshold alerts may be delivered audibly and/or visually at the monitoring station, via email or SMS.

I-Site is a powerful tool for owners, engineers and contractors, which improves the efficiency and effectiveness of geotechnical or structural monitoring projects.

APPLICATIONS

Designed around Microsoft SQL server and MSDE with Windows XP or Vista functionality, I-Site is capable of a high degree of automation allowing the software to run unattended for routine monitoring, with self generating alerts and alarms dependant on the specific site set-up. An SQL database was chosen so that no problems with database size will be encountered, I-Site has frequently been used on projects where the database has exceeded 10 gigabytes in size with no effect on the speed of processing.

I-Site processes, integrates and displays data from almost any datalogger as well as robotic total stations and has the ability to import manually collected data such as levelling survey readings.

I-Site consists of three core modules, these are configured to meet the requirements of the individual site.

MAP VIEW

Each Map (which can be a picture, cross-section or plan) will have various sensors and/or measurement points assigned to it. These display current reading and alert/alarm status. By clicking on any sensor point a trend chart (histogram) is displayed. Charts have a 'click and drag' facility to zoom in on data of interest and if alert levels are set, these are shown for each individual sensor chart. Where connected data are displayed, such as X, Y and Z co-ordinates of a point, all three are shown on a single chart.
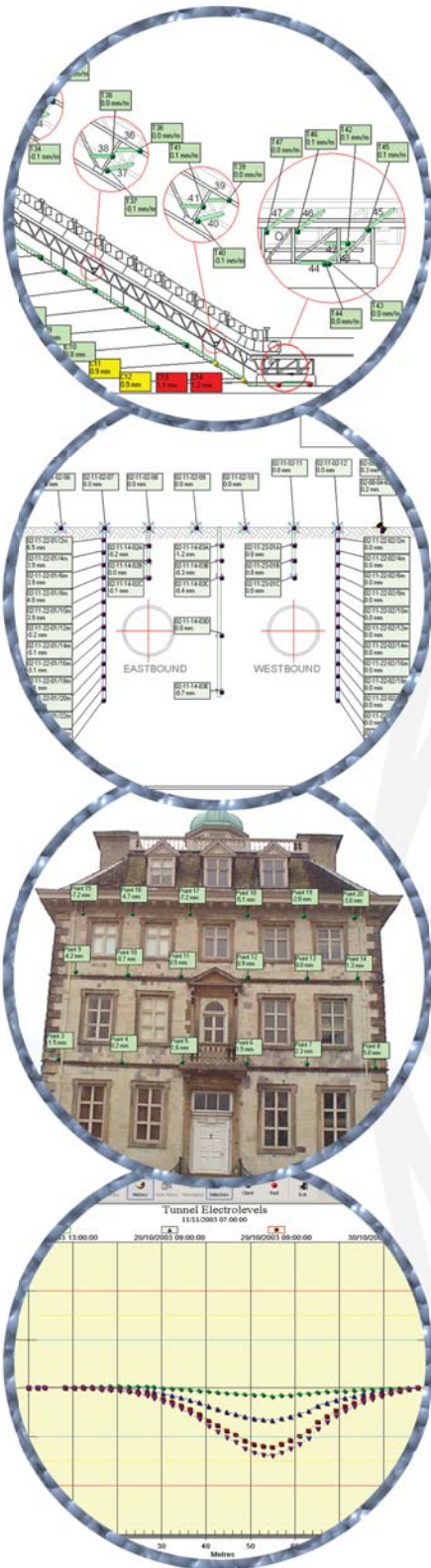
PROFILE VIEW

Where groups of sensors are connected (such as electrolevel chains, survey points or in-place Inclinometers) to form a profile ($\triangle a + \triangle b + \triangle c$ etc), these can be displayed by Profile View, for example a settlement curve. Profiles can be 'replayed' as a time sequence in order to assess and display trend development.

FOR DETAILS ON:

Dataloggers, see datasheet D1.

Web Based Software, see datasheet D3.

I-SITE LITE SOFTWARE

Single user / single site license only

Single logger only

Data tables

Multiple trend plots maximum of 2 profile plots

Up To 33000 readings per day

Manual inputs possible

On screen alarm function

Uses MSDE database engine (Microsoft® Database Engine)

I-SITE STANDARD SOFTWARE

Multiple (up to 4) users

Multiple loggers

Data tables

Multiple trend and profile plots

Up to 33000 readings per day

Manual inputs possible

On screen alarm function

Uses MSDE database (Microsoft® Database Engine)

Multiple map view (up to 4) - unlimited capability

Multiple profile view (up to 4) - unlimited capability

I-SITE PROFESSIONAL SOFTWARE

Multiple users - dependant on SQL Server licence (not supplied)

Multiple loggers

Data tables

Multiple trend and profile plots

Up to 33000 readings per day

Manual inputs possible

On screen alarm function

Uses SQL Server (not supplied)

Multiple map view (up to 10) - unlimited capability

Multiple profile view (up to 10) - unlimited capability

Theodolites & resections

SYSTEM REQUIREMENTS

Microsoft® Windows 2000, XP or Vista

CD-ROM drive for installation

512MB RAM

1800Mhz and 40gb hard drive PC required as a minimum

LANGUAGES

English

French

PART NO.	DESCRIPTION

I-SITE LITE SOFTWARE

D2-2.1	I-Site Lite software

RECOMMENDED OPTIONS

D2-2.2-1	Set up English version - input of calibration factors and zero points by Soil Instruments
D2-2.2-1F	Set up French version - input of calibration factors and zero points by Soil Instruments
D2-2.2-2	Technical telephone support

ADDITIONAL OPTIONS

D2-2.3-1	Maps / drawings - site map or drawing placed on screen with sensor positions
D2-2.3-1F	Maps / drawings - French version - site map or drawing placed on screen with sensor positions

I-SITE STANDARD SOFTWARE

D2-3.1	I-Site Standard Software

RECOMMENDED OPTIONS

D2-3.2-1	Set up - input of calibration factors and zero points by Soil Instruments
D2-3.2-1F	Set up French version - input of calibration factors and zero points by Soil Instruments
D2-3.2-2	Technical telephone support

ADDITIONAL OPTIONS

D2-3.3-1	Extra maps / drawings - site map or drawing placed on screen with sensor positions
D2-2.3-1F	Extra location licence off site - for off site location
D2-3.3-3	Alert - facility to generate alarms via email or SMS
D2-3.3-4	Theodolites & resections

I-SITE PROFESSIONAL SOFTWARE

D2-4.1	I-site Professional Software

RECOMMENDED OPTIONS

D2-4.2-1	Set up - input of calibration factors and zero points by Soil Instruments
D2-4.2-1F	Set up French version - input of calibration factors and zero points by Soil Instruments
D2-4.2-2	Technical telephone support

ADDITIONAL OPTIONS

D2-4.3-1	Renewable site licence
D2-4.3-2	Extra location licence off site - for off site location
D2-4.3-3	Extra maps / drawings / profiles
D2-4.3-4	Alert - facility to generate alarms via email or SMS