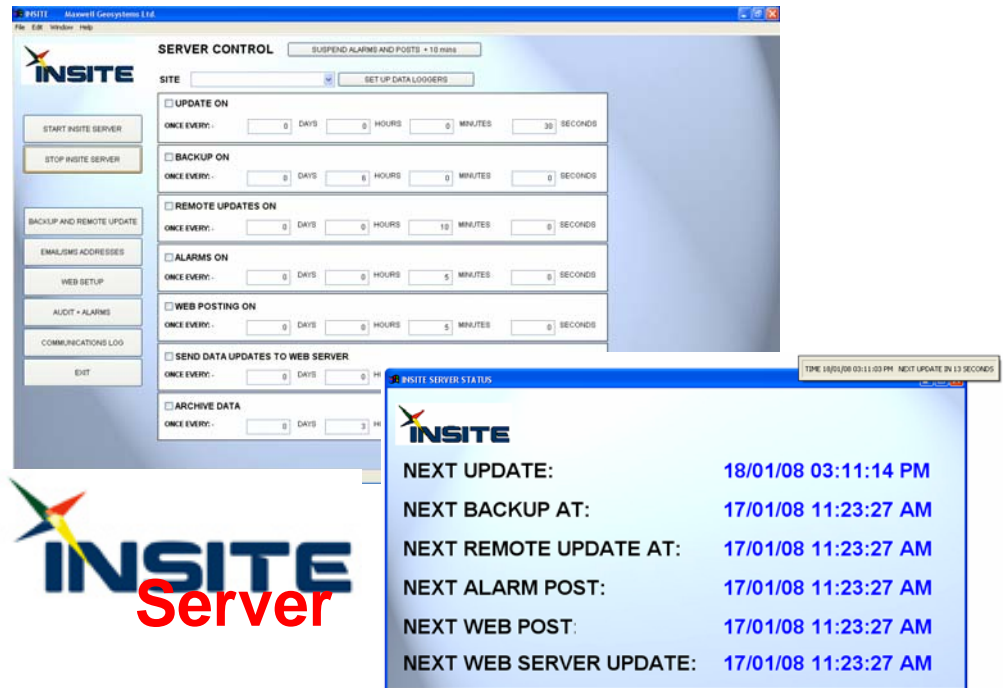




- Proven
- Comprehensive
- Intuitive and User Friendly
- Relevant
- Flexible
- Timely



The screenshot shows the 'INSITE SERVER CONTROL' window with various configuration options for different server functions. A 'INSITE SERVER STATUS' window is overlaid on the right, displaying the following information:

Function	Next Scheduled Time
NEXT UPDATE:	18/01/08 03:11:14 PM
NEXT BACKUP AT:	17/01/08 11:23:27 AM
NEXT REMOTE UPDATE AT:	17/01/08 11:23:27 AM
NEXT ALARM POST:	17/01/08 11:23:27 AM
NEXT WEB POST:	17/01/08 11:23:27 AM
NEXT WEB SERVER UPDATE:	17/01/08 11:23:27 AM

Tailor made server process for real time management of construction design, supervision and monitoring.

System Description

Architecture

Flexible server application offering:

- COMPATABLE WITH ALMOST ANY DATALOGGERS
- AUTOMATIC DATA UPLOAD FROM INSTRUMENTS INCLUDING TUNNEL BORING MACHINES
- PROCESSING, AUDIT AND UPDATE
- AUTOMATIC BACKUP
- AUTOMATIC EMAIL AND SMS NOTIFICATION OF ALERTS
- BUILT IN FTP SERVER FOR UPDATING OF ONLINE DATABASES
- AUTOMATIC DATA LOAD TO WEBLOGS
- FLEXIBLE CONTROL PANEL WITH TEMPORARY ALARM SUSPENSION FACILITY
- CONTINUOUS COMMUNICATION LOGS FOR QA AND QC TRACKING

Other layers can be provided as required.

Platform and Architecture

Windows Vista, XP, 2000, ME
VFP 9.0 SQL engine featuring super fast Rushmore technology
LAN versions
No third party software required.

Data types

Settlement points, settlement plates, casagrande, pneumatic and vibrating wire piezometers, recharge wells, rod extensometers, multipoint borehole extensometers (rod and MEX), inclinometers, vibrating wire instruments strain gauges, crack gauges, load cells, tilt meters and electro levels, 3D points, convergence monitoring, hydraulic profile gauges...

Other instruments can be added as "general" type

Combine instruments to form new instruments using custom "GROUP" facility (eg. Tilt, distortion, stability etc.)

Simple Setup

Simple setup. Choose which actions you want on and independently set the frequency.

Data logging

Automatic import of any structured data using generic mapping functions. Any number of channels. Many industry standard formats already defined including: Cambell, Datataker, RST, Geokon, Slope Indicator, Soil Instruments, Leica, Topcon, Trimble and many more.... Link to Tunnelling Machines and other construction dataloggers. Flexible ODBC interface: link to any ODBC compliant data source

Data import, audit and processing

Internal audit of data for integrity checking. Query and update missing initial data from the loaded data. Alert, action and alarm triggers for each instrument (absolute or function e.g alarm = f(x) where x = depth of excavation, distance from tunnel face etc.) Automatic filters to reduce false alarms Alarm suspension and auto restart for active maintenance Continuous summarizing of data for easy navigation Bespoke developments of audit functions and special imports available

Automatic backups, mirrors and archive

Backup to multiple locations (only ever lose 1 iteration of data). Automatic archive of data in large databases to ease navigation and reduce fetch time.

Communications

Send processed data to web databases using automatic FTP process. Send emails and SMS via SMTP and our SMS gateway in 55 countries.

Hardware Requirements

Option 1: Standalone server on your network

Intel Pentium Core Duo 4400 CPU,
>100GB SATA2 harddisk x2 (RAID 1)
100/1000 MB lan card
Microsoft Vista/XP (for 0-10 connections).
Microsoft Small Business Server (for 10-50 connections)

Option 2: Using INSITE server as an active process on your file server is not recommended for automatic mode.