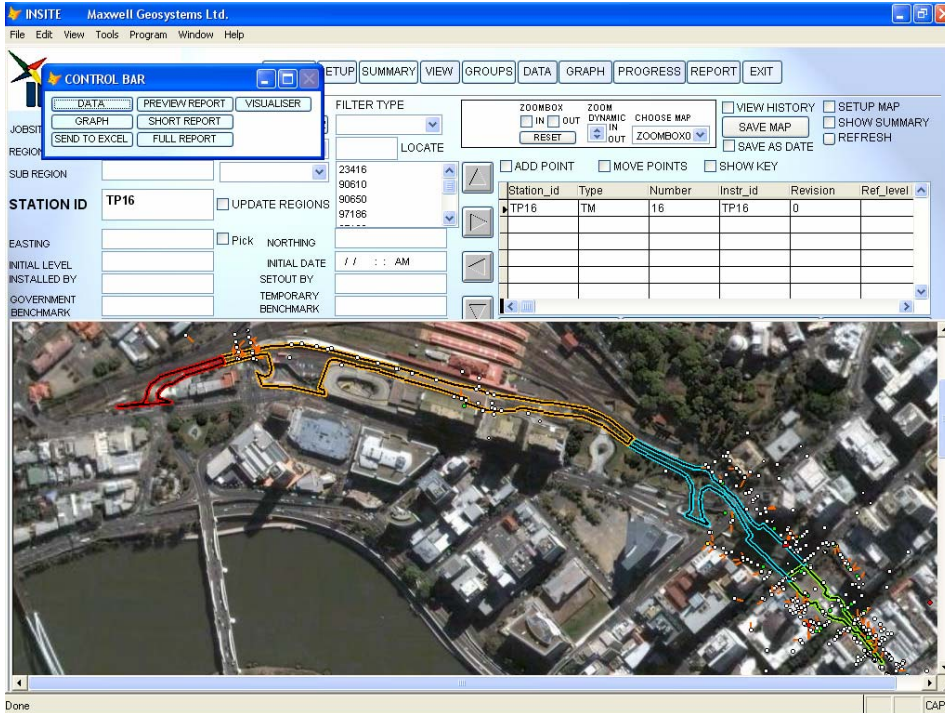


## INSITE CASE HISTORY:



## BRISBANE INNER CITY BUSWAY

The Inner City Busway in Brisbane's busy City Centre is being carried out by an Alliance of Leighton Contractors, Queensland Transport and Coffey Geotechnics Pty. Ltd. The Busway involves construction of an underground transportation route by mined tunnel and cut and cover through an urban environment which includes very sensitive buildings. Coffey and Leighton Contractors devised a scheme of automatic total stations and wireless geotechnical monitoring to keep tabs on the movements of the ground and of the adjacent sensitive structure. Faced with huge quantities of data Coffey proposed a solution offered by Maxwell Geosystems to integrate all the data in one database environment .

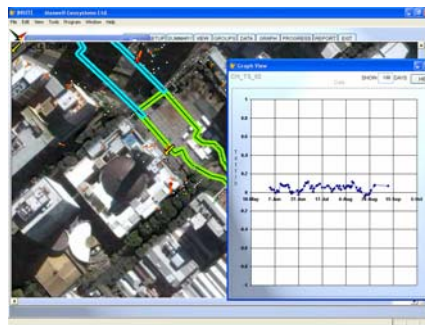
Maxwell Geosystems INSITE programs were customised to take all the geotechnical and structural data and combine them with data on the construction progress under a single heads up display.

INSITE SERVER automatically links to 3D survey data from robotic Trimble total stations and to wireless data from instruments provided by Soil Instruments Ltd. In addition INSITE incorporates all other instrumentation on the project and the construction progress and programme to provide a fully observational approach to construction in real time.



Brisbane City Hall: A sensitive stone and masonry structure monitored for displacement, vibration and tilt.

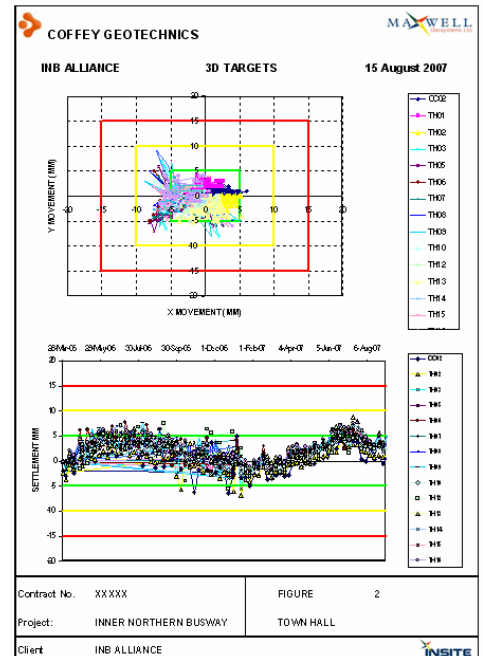
INSITE's built in graphing and reporting systems allow the user to rapidly select and interrogate data and display to fully customizable reports in EXCEL.



All interfaces are point and click and the user can choose individual instruments or select groups through the use of drop down menus or draw boxes.

Each INSITE system is customised to fit exactly the end users needs. Maxwell Geosystems can provide import procedures for any kind of structured data. In addition to instrumentation data INSITE has the facility to import from other construction loggers and also from Project Management Software such as MS Project and Primavera.

INSITE also has flexible tools for the preparation of contours surfaces and animations.



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