



The cornerstone of independent excellence

## Soils Testing for the Geotechnical Community *Advanced Testing*

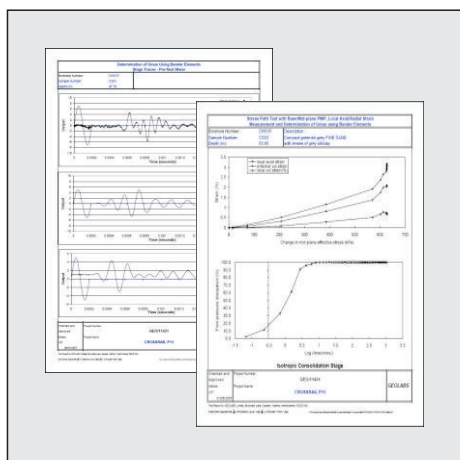
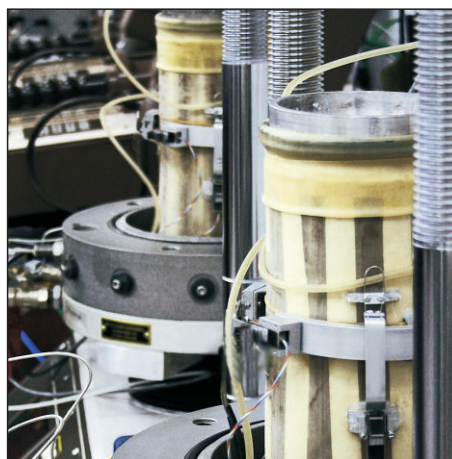


### The Facility

- A temperature controlled laboratory and dedicated stores facility (maintained to better than  $\pm 1^\circ\text{C}$ ).
- Customised, state-of-the-art test equipment and instrumentation for full test control and data acquisition, 24 hours a day to test completion.
- Multidisciplinary staff experienced in all aspects of soil and rock testing.
- Rapid processing of raw test data using in-house customised software to generate reports in printed, PDF and electronic formats.

### The Analysis

- Determination of shearwave velocities for the determination of  $G_{max}$  using bender elements in multiple orientations.
- Local, axial and radial strain measurement.
- Determination of Young's modulus, Poisson's ratio, shear and bulk modulus.
- Total and Effective Stress Path testing with base and mid-plane pore water pressure measurement.
- Static and dynamic shearing in either extension / compression or along pre-determined stress paths.
- Measurement of volumetric strain to  $1 \text{ mm}^3$ .
- Independent computer control of vertical and horizontal total and effective stresses for maintained and ramped stress applications during anisotropic stages.
- Sample specific method statements written in-house to model construction and client parameter requirements.



### The Benefits

- Independent testing facility exclusively devoted to commercial and research geotechnical laboratory testing.
- An all-round service of the highest standard backed by a fully documented quality management system.
- Research level testing and results presentation, both of which can be tailored to your requirements.
- A fully integrated, independent, soils testing facility capable of performing a wide range of testing from routine, effective stress, earthworks, consolidations, shearboxes, advanced, stabilized, remediation testing etc.

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