

### Independent Soil and Rock Geotechnical Laboratory Testing

#### The Facility

- Independent testing company exclusively devoted to commercial, research and client-specific geotechnical laboratory testing, whose multidisciplinary staff are experienced in all aspects of soil and rock testing.
- Dedicated facility for Oedometer Consolidation, Isotropic Consolidation, Hydraulic (Rowe Cell) Consolidation, and Continuous Rate of Strain Consolidation.
- Rapid processing of the raw test data using our own in-house developed software to generate reports in printed, PDF and AGS formats.



#### The Analysis

- **Oedometer Consolidation** and swelling tests on samples from 50 mm to 150 mm diameter.
- **Isotropic Consolidation** in a triaxial cell on samples from 38mm to 150mm diameter as well as the conventional 100mm diameter. This can be augmented with direct measurements of permeability at each effective pressure.
- **Hydraulic (Rowe Cell) Consolidation** on samples from 76 mm to 250 mm to allow either vertical drainage or horizontal drainage (either radially inwards or outwards), and also free or fixed vertical strain. As with the Isotropic Consolidation, this test can have permeability stages added to it.



#### The Benefits

- Independent testing facility exclusively devoted to commercial and research geotechnical laboratory testing.
- An all-round service of the highest standard backed by fully documented quality management system.
- High quality testing and results presentation, both of which can be tailored to meet clients requirements.
- Geolabs are **UKAS Accredited** for the Oedometer Consolidation and follow fully documented procedures for the other test methods.

