



### USER : STRUCTURAL SOILS LTD

Established in 1964 and acquired by RSK in 2007, Structural Soils has evolved into a multidisciplinary, integrated geotechnical and geoenvironmental site-investigation company with the proven capability, capacity, and confidence to undertake contracts of any size, in any location and virtually any scope. The company undertakes contracts across the UK and internationally through its UK offices and laboratories in Bristol, Castleford, Coventry, Glasgow, Hemel Hempstead, and Tonbridge.

“Structural Soils has been undertaking geotechnical laboratory testing for more than 50 years. The Structural Soils UK-based geotechnical laboratories operate under a UKAS-accredited multisite status and test samples from the UK and abroad. Our experienced technicians can perform a wide variety of accredited, routine and advanced tests of soil, rock, and aggregates. Furthermore, we maintain a rigorous quality assurance protocol that involves many levels of quality checks as well as participation in national and international proficiency testing schemes.”

**Website Link:**

<https://www.soils.co.uk>

**GDS Instruments**

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### STRUCTURAL SOILS AND GDS

Structural Soils has worked with GDS for over 10 years, their laboratory in Bristol is presently equipped with a range of GDS products for soil consolidation or swelling and static or dynamic triaxial testing under saturated conditions. These include:

- Low- and high-pressure Automated Oedometer Systems
- Triaxial Automated Systems with 50 kN load frames
- Dynamic Triaxial Systems (10 kN & 10 Hz)
- Mid-plane porewater pressure transducers (1.5 MPa & 3.5 MPa)
- Local Strain transducers (LVDT & Hall effect)
- Bender Element Systems (vertical, horizontal, S and P waves)
- Triaxial cells, external & internal (submersible) load cells, pneumatic and pressure-volume controllers, and accessories.



The GDS equipment have been used by Structural Soils in numerous onshore and offshore ground investigations in the UK and abroad, e.g. Bradwell B, Sizewell C, HS2, Lower Thames Crossing, Vineyard Wind Offshore Wind Farm, Inch Cape Offshore Wind Farm, Moray East Offshore Wind Farm, Femern Belt Fixed Link.

