CASE STUDY
St Helier, Jersey

The Project
It is proposed to develop an area of the financial quarter in St Helier, Jersey. The site is currently occupied by a surface car park. The plans include providing an esplanade development including office space with underground car parking.

The Challenge
The Port of St Helier is 225 miles from Gloucester, a journey of which can include over 5 hours on a ferry. The local geology of the site comprised demolition waste over conglomerates, diorites and granites; boreholes were required to penetrate the overburden into the underlying solid geology. Prior to installation of groundwater instrumentation the drillers were to carry out Packer testing using a double Packer arrangement.

The Solution:
Geotechnical Engineering Limited (GEL) were employed by the client to construct the boreholes and carry out Packer testing. The GEL drill crew supplied technical information in the form of electronic drill logs and insitu test results to enable the client to log the boreholes and interpret the ground conditions. By mobilising, a well maintained modern multipurpose dynamic sampling and rotary coring Pioneer rig, along with a well-trained crew and sufficient supplies for any essential repairs, GEL were able to provide a safe and efficient service to the client. Previous knowledge of the drilling conditions on the island from our experienced drillers ensured that the equipment provided was suitable for purpose in the harsh drilling conditions. Well-maintained Packer test equipment was essential to provide the design engineers with sufficient data on the hydrogeological properties of the site.

Project Overview
Project Name:
St Helier, Jersey

Project Type:
Geotechnical Drilling

Date:
July 2014

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