

CASE STUDY

FINSBURY PARK STATION



PROJECT SPECIFICATION

LOCATION	Finsbury Park Station, London
CLIENT	Bridgeway Consulting
DATE OF WORKS	December 2014
TESTING UNDERTAKEN	CPT
RIG	UK10

As part of a scheme to improve access to London's transport network, Lankelma were instructed to undertake cone penetration tests (CPTs) at Finsbury Park tube station. Using our light-weight mobile rams we were able to anchor the CPT unit to the stairwell walls and test horizontally to assess the current structural arrangement.

Access was through the main station entrance so this versatile unit with a minimum working height of 2.0m was perfect for working in the restricted environment, and weighing only 70 kg it was suitable for mounting at an angle for non-vertical testing.

A 3-phase generator was set up outside the station and connected to Lankelma's power pack to operate the hydraulic rams and data acquisition equipment.

Over three night shifts, Lankelma completed four horizontal CPTs up to 14m into the wall. This type of testing enables a relative comparison of the locations and an indication of the soil type and material properties.

