

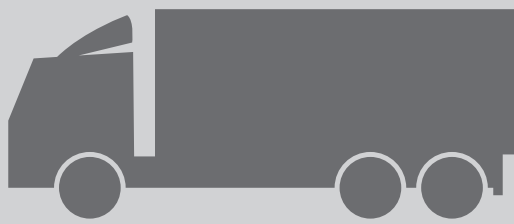
20 TONNE CPT WHEEL MOUNTED RIG (CPT 021)

This 6 x 6 wheel drive CPT rig is ideal for geotechnical testing on hardstanding sites such as roads and car parks. Its off road tyres enable it to be used on dry non-hardstanding sites as well, making it one of our more versatile rigs as it can be deployed to many different types of site. It weighs 20 tonnes and can push up to 150 metres in a day, depending on location access and ground conditions.

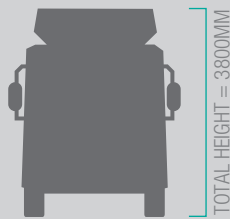
CPT RIG DETAILS

DRIVE SYSTEM	6x6 WHEEL DRIVE
TOTAL WEIGHT	20 TONNES
GROUND BEARING PRESSURE	56kPa
CPT RAM THRUST CAPACITY	20 TONNES
MAXIMUM PENETRATION	30-40M DEPENDING ON THE GROUND CONDITIONS.
PERFORMANCE RATES	120-150M OF TESTING IN A DAY DEPENDING ON ACCESS TO POSITIONS.
TYPICAL SITES FOR THIS RIG	HARDSTANDING SITES, E.G. ROADS, CARPARKS. DRY NON HARDSTANDING SITES.

CPT RIG DIMENSIONS



TOTAL LENGTH = 8160MM



TOTAL WIDTH = 2500MM

TOTAL HEIGHT = 3800MM



London



Leicestershire



Essex

PROJECT REVIEW

LONDON, ENGLAND

CPT 021, 'Gary' completed a project at the site of a former gas works in central London. The previous buildings had already been demolished down to ground level where the foundations of three gas holders remained in situ.

At the time, there was no reliable information about the exact location or depth of the footings so an investigation was needed to be carried out in order to see if they could be identified. CPTs were ideal for this task because of their speed and our ability to adapt the investigation as it proceeded.

Working closely with our client, a number of CPTs were carried out around the perimeter of each of the three former gas holders. Some of the tests refused in the made ground in the gravel and some got through down to 15meters; where no foundations were identified. At one location, we managed to find part of a foundation at 8.5m deep. We immediately moved a further 50cm out and retested; no foundation here. This strategic process enabled us to successfully delineate the footings of the former gas holders and provide quality data for our client.



IN SITU SITE INVESTIGATION
Innovation Centre, Highfield Drive, St Leonards On Sea,
East Sussex, TN38 9UH, UK

T: +44 (0) 845 862 0558
E: info@insitusi.com

