

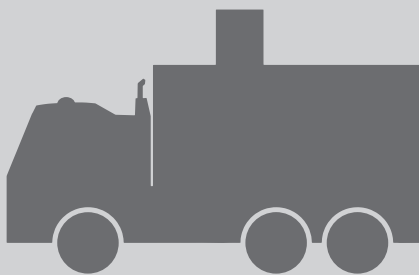
## 22 TONNE CPT WHEEL MOUNTED RIG (CPT 016)

This 6 x 6 wheeled drive CPT rig is ideal for geotechnical testing on hardstanding sites such as roads and car parks. It can also be used on dry non-hardstanding sites making it one of our versatile rigs as it can be deployed to many different types of site. It weighs 22 tonnes and can push up to 100-150 metres per day, depending on the ground conditions.

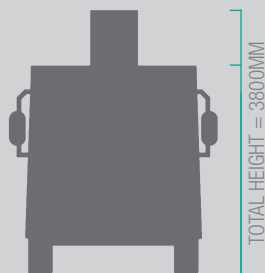
### CPT RIG DETAILS

<b>DRIVE SYSTEM</b>	6x6 WHEELED DRIVE
<b>TOTAL WEIGHT</b>	22 TONNES
<b>GROUND BEARING PRESSURE</b>	56kPa
<b>CPT RAM THRUST CAPACITY</b>	20 TONNES
<b>MAXIMUM PENETRATION</b>	30-40M DEPENDING ON THE GROUND CONDITIONS.
<b>PERFORMANCE RATES</b>	100-150M OF TESTING IN A DAY, DEPENDING ON ACCESS TO POSITIONS.
<b>TYPICAL SITES FOR THIS RIG</b>	HARDSTANDING SITES, E.G. ROADS INCLUDING MOTORWAYS, CAR PARKS AND DOCKS. DRY NON-HARDSTANDING SITES.

### CPT RIG DIMENSIONS



TOTAL LENGTH = 8160MM



TOTAL WIDTH = 2500MM

TOTAL HEIGHT = 3800MM



## PROJECT REVIEW

### HERTFORDSHIRE

In Situ Site Investigation carried out CPTs in Hertfordshire for the redevelopment of an old factory which is due to be turned into new flats to supply demand in a thriving area. Our client wanted us to locate solution features in the chalk which were covered with a layer of dense flint gravel. We were provided with the borehole logs but due to the very dense gravel, we couldn't guarantee penetration through this layer. In circumstances like this, we offer our clients a free trial where we mobilise to site and see if CPTs are successful; thus, saving our client wasted money if we are unable to reach target depth or even break through the ground. On this particular occasion, we got through on one of the three trial locations and our client was happy to proceed with the rest of the tests which we returned to site and completed one week later.

On our second visit to this site, we completed 28 CPTs in three days of which 25% got through the flint gravel layer and reached a total depth of 20 metres inside the solution feature. Our client was content with our results because they married up with the borehole logs in that of the 75% that refused, no solution features were found in the borehole logs. Our CPT data helped with the foundation designs for the project and our client was pleased with our detailed report issued promptly after the site investigation was completed.



#### IN SITU SITE INVESTIGATION

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