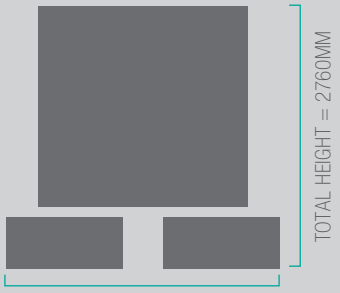
20 TONNE CPT TRACK MOUNTED RIGS (CPT012) and (CPT022)

CPT012 (Bob) and CPT022 (Vic) are 20 Tonne tracked crawler rigs. Their relatively high weight serves as a counterweight to provide the required penetrative force when testing. These machines are ideal for soft, boggy sites where access can be tricky. Fitted with three levelling jacks, the crawlers can be levelled exactly horizontally assuring stability during testing. All movements of the rigs are driven hydraulically using a remote control thus allowing 100% accuracy over positions.

CPT RIG DETAILS

DRIVE SYSTEM	TRACKED RIG
TOTAL WEIGHT	20 TONNES
GROUND BEARING PRESSURE	36KPA
CPT RAM THRUST CAPACITY	20 TONNES
MAXIMUM PENETRATION	20-40M DEPENDING ON THE GROUND CONDITIONS.
PERFORMANCE RATES	100-150M OF TESTING A DAY, DEPENDING ON ACCESS TO POSITIONS.
TYPICAL SITES FOR THIS RIG	SOFT, BOGGY SITES. LOW GROUND BEARING PRESSURE

CPT RIG DIMENSIONS



Dorset

Wales

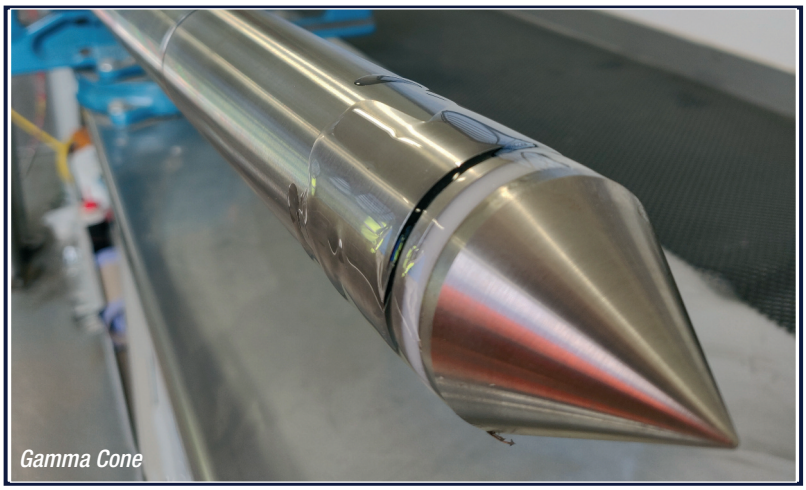
Worcestershire

PROJECT REVIEW

In Situ Site Investigation were asked to complete a project for a new housing development in West Sussex. A tracked rig was required on this site due to the sticky clay surface layer, therefore CPT 012, Bob, one of our remote-controlled tracked rigs was deployed to complete the works.

Our Gamma Cone was requested for this investigation because the ground was known to be soft clay on top of chalk and our client wanted to determine the boundary between the chalk and clay to help with the planning of their foundation designs. It can be hard to tell the difference between clay infill material and weathered chalk due to its similar properties when the cone is pushed through using a standard CPT. The gamma sensor, which is mounted behind the standard CPT cone allows us to identify the high gamma readings in the clay and very low readings in the chalk therefore giving an accurate depth of the clay/ chalk divide.

A total of 73 Gamma CPTs were successfully completed over a 3 week duration and went to a maximum depth of 24.5 metres.


Gamma Cone

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