



Case Study

Cable Percussion Drilling, Operational Warehouse



The Problem:

Ground Investigation was required because of subsidence of an operational warehouse and manufacturing facility. Access was limited to the space between storage racks, and the use of a diesel engine was prohibited due to the noise and harmful fumes produced. As the warehouse was in operation, the usual waste and mess produced when undertaking drilling works had to be contained so as not to affect the day to day operations of the facility.

The Solution:

Jackson Drilling were contacted and asked to provide their Cut Down Cable Percussion rig for the works. The JD cutdown rig can be dismantled into component parts, transported to and subsequently constructed over the borehole position.

To enable the rig to be operated indoors for long periods of time, the rig was supplied with a 3 phase electric motor which was plugged in to the facilities electricity supply.

The mess was controlled by the installation of a room within a room. The drilling area was contained within plastic walls, ceiling and floor.

Upon completion of the drilling, the rig was dismantled and moved to the next borehole location by fork lift truck. Spoil was removed from the drilling cordon which was subsequently cleaned before being dismantled and moved to the next position.

The works were completed on time and more importantly without having much of an impact of the facilities operations.

For site investigation enquiries please get in touch with the office using the contact details below.



Site Investigation

Experts in:



**Water Borehole
Drilling & Installation**



**Geothermal Drilling
& Installation**



Site Investigation



Drilling contractors since 1973.
Experts in Site Investigation, Geothermal and Water Well Drilling.





Cut-down Cable Percussive Rig

- ▶ Mobilised to site on a trailer, towed by a 4x4.
- ▶ Powered by either a diesel engine or electric motor.
- ▶ Ideal for difficult access or limited headroom borehole positions.
- ▶ SPT, U100 and UT100 tests can be undertaken.
- ▶ Various casing sizes 150, 200 and 250mm diameter.
- ▶ Disturbed, undisturbed and bulk samples can be retrieved.
- ▶ CSCS and NVQ level 2 qualified drill crews.
- ▶ Instrumentation can be installed in to boreholes upon completion.

Cutdown CP Measurements

