

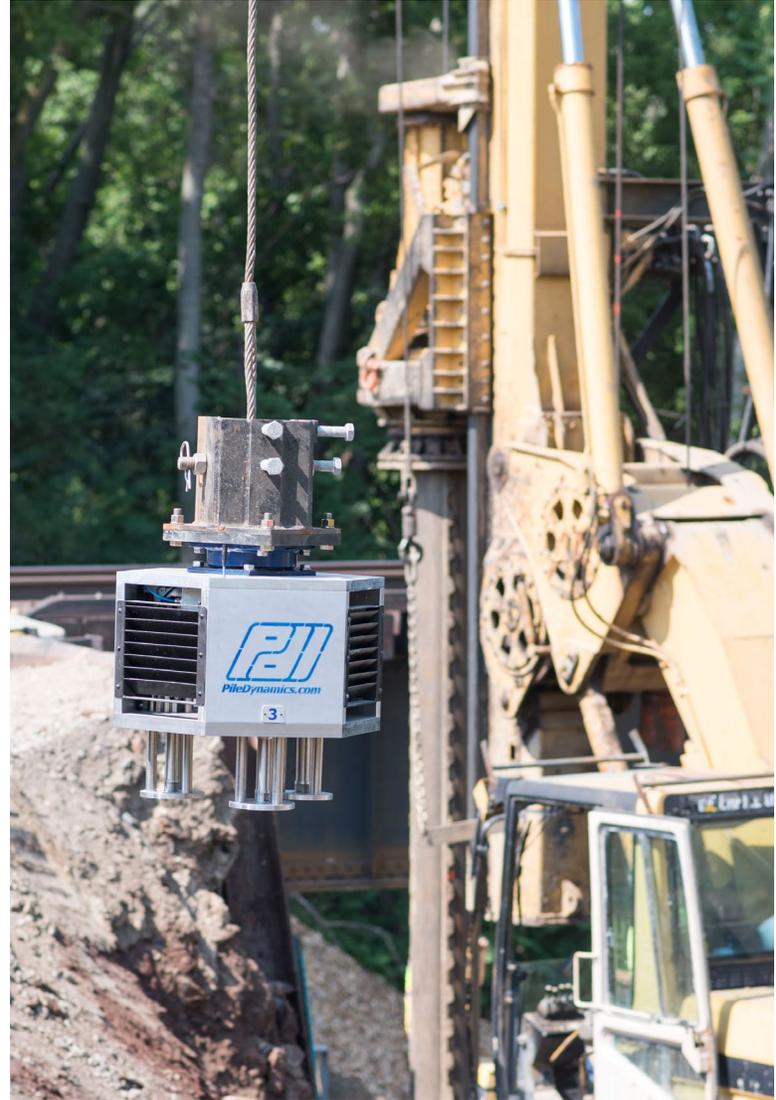
The SQUID features independent displacement of three penetrometers into the soil layer and measures:

- Displacement, beginning with the first encounter of the layer
- Thickness of the debris layer at various locations around the borehole bottom
- Bearing pressure of three independent standard size (10 cm²) cone penetrometers

An important part of bored pile construction is the cleaning and inspection of the bottom of the hole prior to the placement of reinforcement and concrete. To achieve cleaning once drilling is complete, a cleanout bucket is typically used to remove any material unsuitable for end bearing support. Bottom inspection is then performed with SQUID which takes accurate force and displacement measurements, providing an objective, quantitative assessment.

The signals from the three displacement sensors and the three cone penetrometers pressures are digitally processed and wirelessly sent to the SQUID Tablet. The inspector, engineer or contractor can then make an immediate decision as to the borehole acceptance, additional clean-out requirement or additional drilling. The decision makers may be at a safe location on site or connected via internet to the SQUID Tablet, from any location where there is internet access.

Pile Dynamics, Inc. (PDI) is the world leader in developing, manufacturing and supplying state of the art QA/QC products and systems for the deep foundations industry. The company is headquartered in Cleveland, Ohio, USA, with offices and representatives worldwide. For additional information visit us at www.pile.com or contact info@pile.com today.



- SQUID Body includes quick attachment adaptors for different sized drilled stem or Kelly bars
- Three independent displacement versus pressure (from cone penetrometers) measurements
- SQUID Tablet receives data wirelessly or via a cable for real-time measurements