



Committed to Quality Assurance of Deep Foundations

PILETEST CONSULTANTS (PVT) LTD

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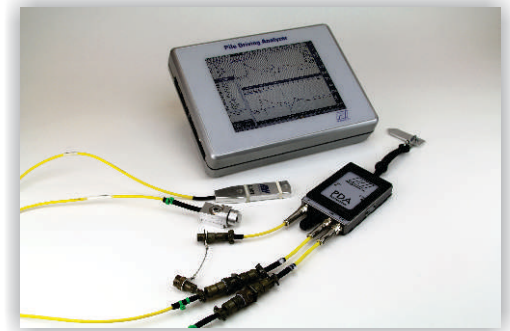


OUR KEY SERVICES

- Low Strain Pile Integrity Testing (PIT)
- Cross Hole Sonic Logging Pile Integrity Testing (CSL)
- High Strain Dynamic Load Testing (PDA)
- Static Load Testing (MLT)
- Pile Instrumentation & Static Load Testing (IMLT)
- Rapid Load testing (RLT)
- Lateral Load Test (LLT)
- Rebound Hammer Testing (RHT)
- Pullout Testing (Soil Nail)
- Vibration Monitoring (VM)
- Noise Level Monitoring (NM)
- Inclinometers installation and monitoring (IM)
- Piezometer installation and monitoring (PM)
- Settlement monitoring (SM)
- Crack Surveying & Monitoring (CM)
- Geotechnical Investigations (GI)
- Soil Investigations
- Static Cone Penetration Test (SCPT)
- Dynamic Cone Penetration Test (DCPT)

WE ALSO PROVIDE THE FOLLOWING SERVICES

- CAPWAP Analysis
- WEAP Analysis
- TOMOSONIC Analysis
- Slope Stability Analysis
- Design of Foundations and Earth Retaining Structures
- Soft ground improvement Designs
- Recommendation for the Foundation System



LOW STRAIN PILE INTEGRITY TESTING (PIT)

Low strain integrity test uses pulse echo or transient response methods to;

- Reveals potential shaft or pile defects such as major cracks, necking, soil inclusions or voids
- May determine unknown pile lengths

We perform this foundation integrity test in accordance with ASTM D5882-07 — Standard Test Method for Low Strain Integrity Testing

DYNAMIC PILE TESTING (PDA)

High strain dynamic load test uses for most common types of deep foundations. PDA provides following advantages.

- Fast, reliable and cost effective
- Calculate bearing capacity and assess structural integrity
- Assess driving stress and hammer performance

We analyze the measurements in real time using the Pile Driving Analyzer® (PDA). Data acquired in the field is further analyzed with the CAPWAP® software.

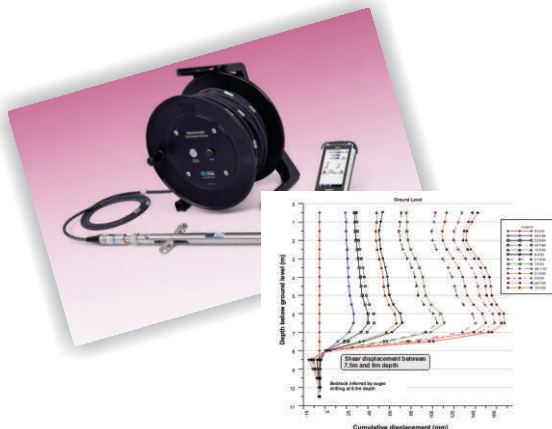
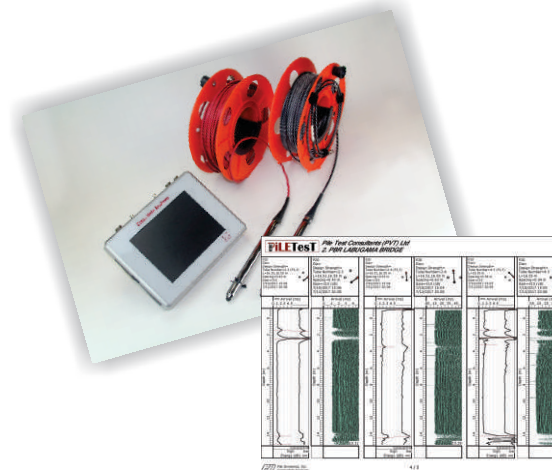
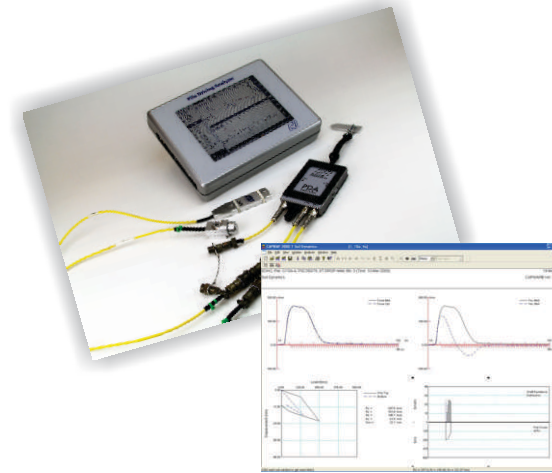
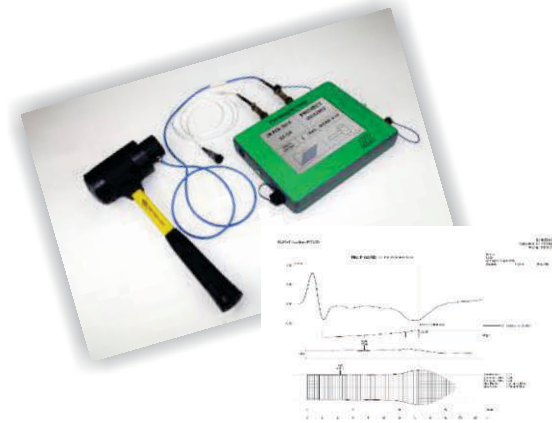
CROSSHOLE SONIC LOGGING (CSL) TEST

Evaluation of concrete quality in deep foundations

- Assess the concrete quality and consistency of drilled shafts, slurry walls, bored piles, cast —in-situ piles and other types of concrete foundations.
- Field results are complemented by Tomography analysis

INCLINOMETER INSTALLATION AND MONITORING

Inclinometer can be used to detect lateral movement of soil or retaining structure (D-Wall or sheet pile wall) to ensure that adjacent structures have not been damaged by ground movements. Inclinometer casing will be permanently installed in a borehole that passes through suspected zones of movement.



STATIC LOAD TESTING (MLT)

The static load test (MLT) involves the direct measurement of pile head displacement in the response to a physically applied test load. It is the most fundamental form of pile load test and is considered as the benchmark of pile performance.



INSTRUMENT LOAD TEST (IMLT)

Instrumented static pile load tests are conducted to determine the soil parameters in order to verify and optimize the design of the foundation for a structure.



PLATE LOAD TEST (PLT)

Plate Load Test is a field test for determining the ultimate bearing capacity of soil and the likely settlement under a given load. The Plate Load Test basically consists of loading a steel plate placed on the foundation level and recording the settlements corresponding to each load increment. This test is covered by CP 2001:1957, ASTM D 1194-72 and BS 5930:1981.



LATERAL LOAD TEST (LLT)

When performing lateral load tests on deep foundations, it is desirable to obtain horizontal displacement versus depth profiles.



MATERIAL LABORATORY TESTING SERVICES

- Physical Analysis
- Moisture Content of soil
- Specific Gravity
- Sieve Analysis
- Index Properties of Soil
- Peat Content Test
- Hydrometer analysis
- Permeability Test
- Triaxial Compression Tests
- Uniaxial Compression Test (Both rock and soil)
- Unconfined Compression Test on cohesive soil samples
- Lab CBR test (including moisture density relationship)
- Proctor Compaction Test (Standard)
- Proctor Compaction Test (Modified)
- Consolidation Test
- Direct Shear Test
- Painting dry film thickness (DFT)
- Tensile Strength Test on Re-bars

CONCRETE TESTS

- Compressive Strength Test
- Sieve Analysis of Aggregates
- Consistency of constituents of concrete
- Concrete Core test

GROUND WATER TEST

- PH Value
- Chloride Content
- Sulphate Content
- Organic Content





OUR STORY

PileTesT Consultants (PVT) LTD was incorporated in Sri Lanka specifically to provide the dynamic pile testing services and geotechnical engineering services with the high level competent professionals. The company was certified for ISO 9001: 2015 which was accredited by SLAB and RvA Netherlands.

The company, with the experience, resources and state of the art equipment, is committed to providing quality services. It also enjoys the backing of Pile Dynamics Inc., USA, the pioneer and manufacturer of the Pile Driving Analyzer®. In addition, the Company provides expert geotechnical solutions and recommendation through eminent Professional from University of Moratuwa and for its pile testing services.



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Geotechnical Engineering Services**

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