



ENGINEERING FOR
A SAFER WORLD



CIVIL ENGINEERING SERVICES

ADVANCED NON-DESTRUCTIVE TESTING
AND ENGINEERING SOLUTIONS

KARACHI

LAHORE

ISLAMABAD

MULTAN

www.velosiaims.com

Civil Engineering Services

The construction industry is considered the most complex industry as compared to others. It requires serious concentration from initiations to stabilities of structure through adequate design, top supervision, QA/QC, structural investigation and maintenance.

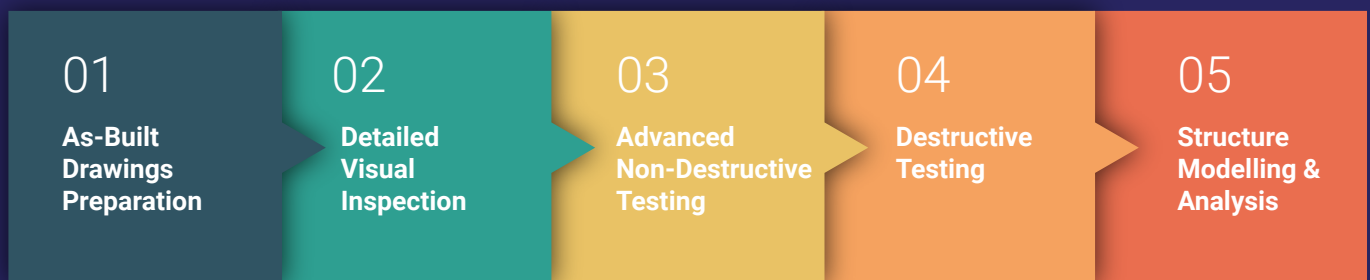
With rapid expansion of building and infrastructure projects both locally and globally, advancement in technology in compliance with international and local codes & standards is essential.

Velosi offers a range of civil services having advanced in-house NDT equipment and engineering expertise to help alleviated challenges by assisting in the construction of buildings and infrastructures with modifications to existing structures and ensure the safety of your building assets.

Our Services Includes:

Structural Integrity Services

Five-Step Process for structural stability investigation



Standard: ☒ ACI-318 ☒ UBC-97 ☒ ASTM ☒ Building Seismic Code of Pakistan (BCP-2007)

Some of our Civil Inspection NDT Equipment



Original Schmidt Hammer Type N (Digital)

The precise and quick evaluation of compressive strength of concrete without undergoing any destruction of materials, paired with live app for instantaneous reporting.

Standard: ☒ ASTM C805



Pundit PL 200 PE + UPV

Structural defects can cause serious damages and collapses. PUNDIT PL 200 assist in providing the information on the strength and uniformity of concrete that can be used to detect and localize voids, honeycombs, delamination, cracks and defects.

Standard: ☒ ASTM C597



Hilti PS 300 Ferro-Scanner

The complete solution for reinforcement bar scanning that include rebar localization, concrete cover evaluation and rebar verification & analysis for acceptance inspection, structural repair, change of building usage and post installed.

Standard: BS 1881:204 ASTM C876



Cut And Pull-Out (CAPO)

CAPO test is the excellent choice for evaluating on-site compressive strength of concrete of existing / old structures. It is best use when there is difficulty in obtaining cores and critical areas where there is no access available due to the space constraints between the reinforcement bars.

Standard: ASTM C900



Pile Integrity Test (PIT)

Prior to construction of superstructure, the PIT/Low Strain Dynamic/ Pulse Echo test provides sign of relief by ensuring that pile is free of defects such as major cracks, necking, soil inclusions or voids and by confirming that its casted length is as per design drawings.

Standard: ASTM D5882

Other Services

Structural Engineering Consultancy and Design

- Building Design
- Retrofitting Design
- BOQ Preparation
- Top Supervision

Laboratory Testing

- Concrete Testing
- Soil Testing

Civil Engineering Survey

- Topographic Survey
- Bathymetric Survey

Geotechnical Investigation

WHY CHOOSE VELOSI?

- Industry Certified Experts
- Global Experience
- Advanced & Latest NDT Equipment
- Meets Test Methodologies
- Competitive Market Price
- Systematic Reports & Deliverables



VELOSI INTEGRITY & SAFETY PAKISTAN (PVT.) LTD.

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