



Terrestrial 3D
SCANNING
USING INNOVATIVE TECHNOLOGY

**SURVEY
MORE,
LESS
OFTEN**

Learn how
3D Laser Scanning
will help you on
your next project.

D&A, P.C.

CAPABILITIES

HIGH DEFINITION SCANNER
SURVEYING HAS BEEN
EVOLVING SINCE THE LATE
1990'S

The LEICA 3D Scanner has:

- A 360° X 270° FIELD OF VIEW
- DIGITAL CAMERA FOR PHOTO OVERLAYS
- <6mm SPOT SIZE @ 50m
- <6mm POSITIONAL ACCURACY @ 50m
- <2mm MODELED SURFACE Precision
- OPTIMAL EFFECTIVE RANGE OF 1m - 100m PER SETUP

SPECIFICATIONS

Smart Scan Technology allows the operator to capture any region with finer detail.

SITES
SUITED FOR
SCANNING

- Sites with limited access, like Highways and Airport Runways
- Hard to reach or inaccessible surfaces, such as bridges and rock walls.
- Areas which are unsafe to directly occupy.
- High Detail or Congested Areas, such as Buildings, Tunnels & Plants
- Relatively open sites with minimal vegetation and few stationary obstruction.



Actual "Point Cloud Data" represented in each image of this brochure.

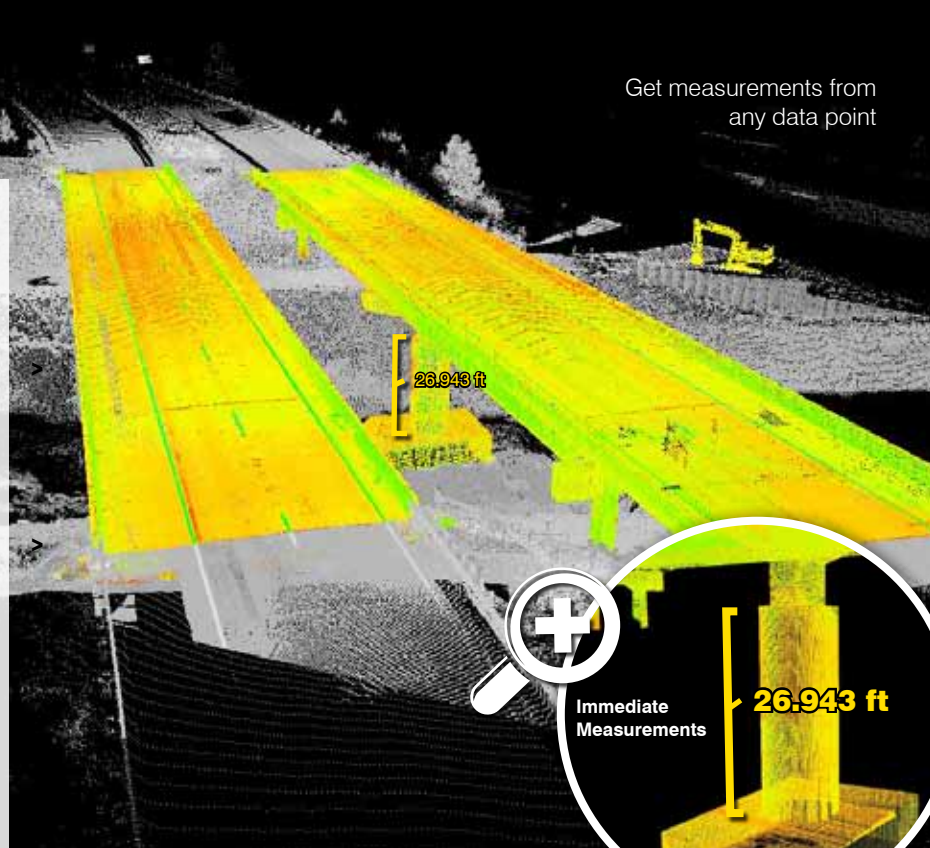
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where to use the
LASER SCANNER

- Highways & Roadways
- Bridges
- Retaining Walls
- Dams
- Geotechnical Analysis
- Emergency Repairs
 - Land Slides, Slumps, Washouts & Structure Collapse
- Volume, Quantity, Grade, Unstable Slope Surveys
- Tunnel & Cave Surveys
- Utility Surveys
 - Towers, Poles, Overhead Lines & Substations
- Cultural & Archaeological Surveys
- Industrial Plants
- Oil & Gas Refinery and Bulk Plants
- Buildings
 - Inside & Out
- Forensics
 - Crime & Accident Scenes



Get measurements from any data point

ALWAYS CONSIDER

BENEFITS:

Increased confidence in the mapping data

Potential for extracting additional data from the existing dataset at a later time

A fast turnaround on data or mapping

Time & cost savings on active or highly detailed project sites

Minimal return trips to remote sites

A record of as-constructed or existing site conditions to retrofit

Images: Full Field View 2) Structure Detail