

Laser Scanning Solutions

Ulysta possesses the state of art IT infrastructure maintaining in – house capabilities of executing small, medium and large scale 3D Laser Scanning projects.

Ulysta provides a wide range of solutions 3D Laser Scanning Technology:

- On-shore and off-shore 3D Laser Scanning
- Laser scanning of highways, bridges dams and hills
- Mining Survey
- Large Scale Reverse Engineering
- BIM
- UAV
 - Photogrammetry
 - LIDAR
- As-Built of Thermal Power Plants
- As-Built of Steel Plants
- 3D Scanning of Heritage Buildings

Laser Scanning Work Flow

DATA CAPTURING

DATA PROCESSING

COMPLETE POINT CLOUD

POINT CLOUD

3D AS-BUILT CYCLONE
/ LFM

TRUEVIEW/NETVIEW
PANORAMA IMAGES

3D AS-BUILT TRUE
SmartPlant

SmartPlant
CLOUDWORX

3D Laser Scanning Benefits



REDUCES MANUAL INTERVENTION

Laser scanner scans the object externally and gives the exact shapes and dimensions of the internal structures, manually dismantling the object can be avoided.

ACCURACY

Offers accurate data in time-critical situations.
Helps in managing inconsistencies and reduce errors.

EASY RE-DESIGNING

Since there is no need to de-construct if there is a flaw in the design, the 3D model scanned by the scanner can be used to redesign for future while promising better performance.

COST REDUCTION

As it is a time saving and manual effort saving technology, this process helps in reducing the cost.

VERSATILITY

3D laser scanners are equipped with latest technologies and are compatible with different platforms and devices. Hence this technology provides a great versatility.

INCREASED PRODUCTIVITY

As 3D Laser Scanning needed lesser time to complete the task, it adds value in increasing the productivity.