

Our extensive technology and experience cultivated through EPC plant projects combined with the cutting-edge 3D scanning and unique data processing technologies help reduce lead time, enhance construction quality, and minimize rework.

3D Scanning Service



3D Data Processing
3D Data Analysis



Engineering



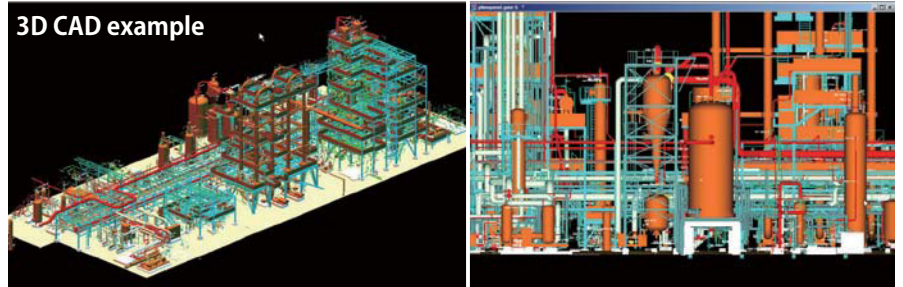
Construction
Installation

We offer a full spectrum of services, ranging from the collection of accurate “as-built” data from existing structures and the processing and analysis of 3D data (also producible from measurements and point cloud data provided by other sources) to engineering and construction backed by a wealth of experience.

■ Various 3D digital data

We offer a range of quality “as-built” digital data including point cloud data, 3D polygon mesh data, 3D CAD, and isometric drawings, all tailored to customer needs and goals.

3D CAD example

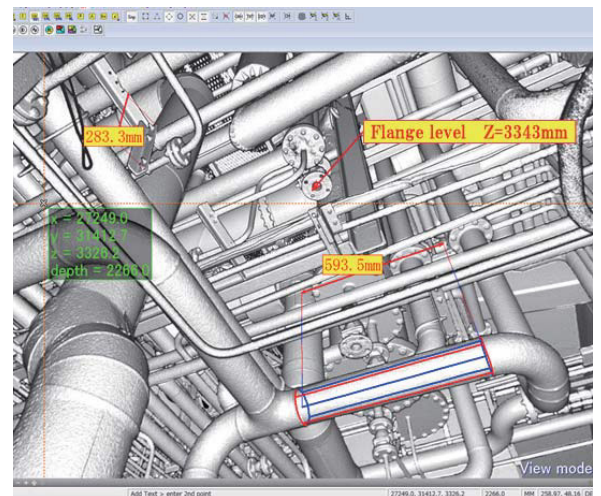


■ Fast on-site 3D scanning field survey

Our unique target-less 3D scanning technology allows safe and fast on-site 3D scanning (eight-hour measurement period per 1,000 to 1,500m²) and provides high-quality registration data (accuracy: ± 3 mm).

■ PanoMap® - 3D panoramic viewer

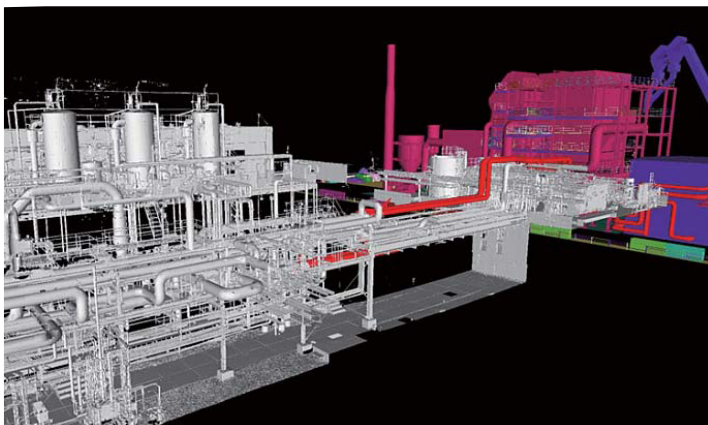
The **PanoMap®** software provides access to database-driven laser scanning technology representing as-built 3D laser scan data. **PanoMap®** represents the laser scan point-cloud data in a highly photorealistic viewing format that is extremely compact in size and provides better visualization. **PanoMap®** offers powerful features for viewing, measuring, modeling, interference checking, 3D model data integration, equipment removal simulation, pre-job briefings, and integration with monitoring systems.



PanoMap® –3D scan database
(Panoramic reviewing and 3D measurement tool)

■ EPC Construction

Based on customer needs, we consolidate improvement plans, basic and detailed design, equipment procurement, and actual facility construction.



3D polygon data (3D mesh) (design data integration example)



PanoMap® –3D panorama viewer (example of layout design and study)