



Industrial Measurement



UTECH uses precision instrumentation, 3D graphical analyzing software and skilled, experienced personnel to support clients both onshore in yards and on deep ocean construction projects. Our teams accurately determine three-dimensional positions and analyze data during the construction phase of structures for the petrochemical, civil engineering and construction industries.

UTECH provides a dimensional control service to clients whose requirements can include:

- Metrology for subsea structures, structure offset, and attitude surveys
- Alignment surveys
- Fabrication surveys
- Pipe work pre-design and replacement
- Static and mobile laser scanning

Static and mobile laser scanning

In addition to conventional industrial measurement services, UTECH provides both static and mobile 3D laser scanning services using the latest hardware and software for applications including process plant planning, civil engineering and infrastructure. Laser scanning has proved invaluable in conditions where manual measurements are not viable and where data collected may be used to generate CAD models.

The technique is particularly valuable for acquiring high-resolution data that may be needed for tasks such as the design of additional seabed structures, modifications of existing plant, or in environments such as poorly lit tunnels or mines, multi-level oil platforms, hazardous restricted areas or night operations.

UTECH scanning instruments are fit for purpose ranging in data collection specifications from ranges of 1.5m to 70m, measuring 360° horizontal by 320° vertical, while maintaining an accuracy of +/- 3mm.