



VIEWPORT3

INSPECTION & ASSESSMENT



End-to-end dimensional problem solving

WHO WE ARE

For subsea and topside teams who cannot afford dimensional uncertainty, Viewport3 provides **Engineering Grade Dimensional Assurance** - not generic 3D scanning - delivering accurate, verifiable and **decision-ready data**, even in **complex, constrained or emergency scenarios**.

WHAT WE DO

Viewport3 combines industry leading, **ultra-high resolution 3D photogrammetry**, verifiable accuracy and **subsea project expertise** to produce high-value answers - not just point clouds.

WHY DIMENSIONAL ASSURANCE MATTERS

Assumptions cost time and money. **Engineering Grade Dimensional Assurance** replaces uncertainty with verified dimensional data that engineers can rely on to make confident, **right-first-time decisions**.



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SCAN TO
VIEW
CASE STUDY



WHEN EVERY DEGREE COUNTS

THE PURPOSE - Provide precise, verifiable 3D dimensional data to identify and quantify a subtle subsea misalignment that was costing the client money and preventing a well from being started up.

THE CHALLENGE - A Norwegian operator encountered a failure in communicating with a Downhole Gauge (DHG) after installation of a Subsea Christmas Tree (XMT), despite hydraulic systems checking out fine - prompting questions around alignment and tolerance.

THE OPERATION - Viewport3 was engaged to perform technical-grade 3D photogrammetry across the worksite with an ROV crew, capturing high-density, high-accuracy 3D data before vessel availability ended.

THE SOLUTION - A custom camera-mount and careful capture strategy allowed detailed geometry of critical interface features to be collected, enabling robust onshore analysis of alignment relative to reference datums. Viewport3's dataset confirmed that the rotational mis-match tolerance had been exceeded.

- THE RESULT**
- The client used our 3D data to design an adaptor plate which alleviated the 2.8 degree mis-match from our report.
 - Once fitted to the XMT, the DHG communicated at the first time of asking.

SEE DIMENSIONAL ASSURANCE IN ACTION

Viewport3 delivers confidence where dimensional accuracy matters most - reducing risk, avoiding re-work and enabling 'right-first-time' decisions through engineering grade dimensional assurance.

Photogrammetry-led 3D inspection & assessment



SCAN TO VIEW OUR
RANGE OF SERVICES

Trusted by operators, asset-owners and marine contractors globally.



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