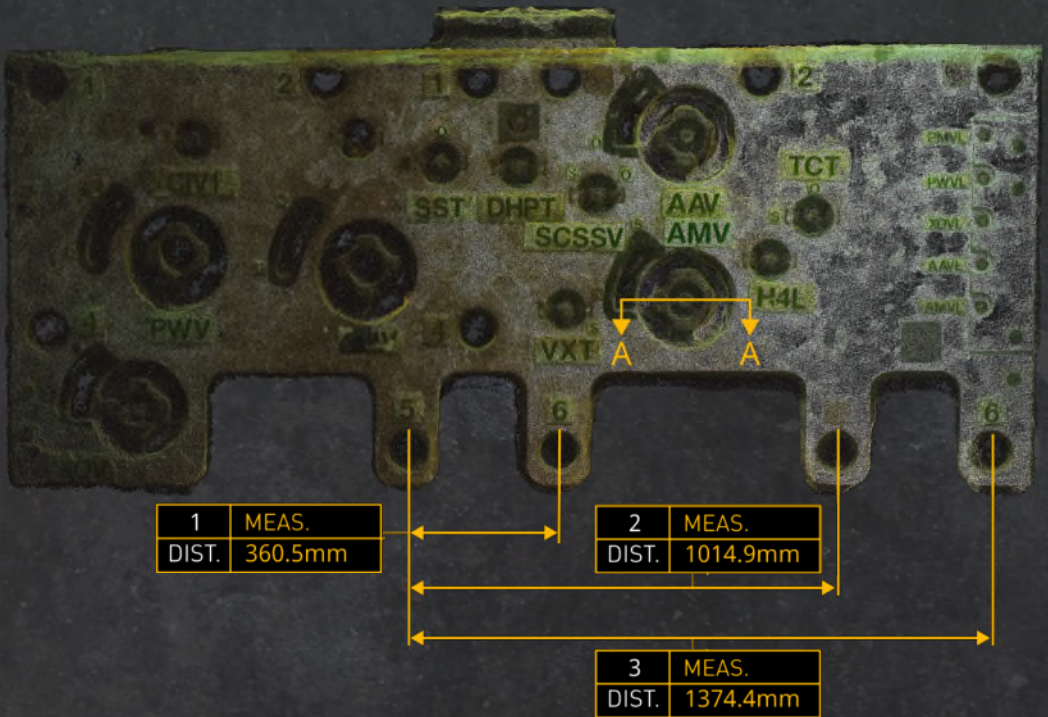




VIEWPOINT3

PROBLEM SOLVING FROM LEGACY VIDEO



End-to-end dimensional problem solving

WHO WE ARE

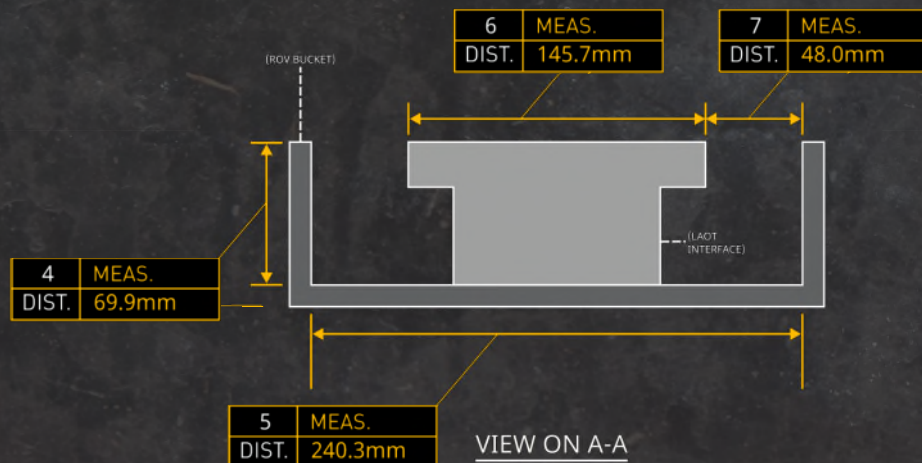
For subsea and topside teams who cannot afford dimensional uncertainty, Viewport3 provides **Engineering Grade Dimensional Assurance** - not generic 3D scanning - delivering accurate, verifiable and decision-ready data, even in **complex, constrained or emergency scenarios**.

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**.



LEGACY 3D INSIGHTS SOLVE MATING ISSUE

THE PURPOSE - Transform existing legacy subsea video into a scaled and interrogable 3D shape, unlocking informed decisions without the need for a new offshore mobilisation.

THE CHALLENGE - With a need to understand the geometry at the site of an ROV override bucket, the client had only medium quality legacy video available which lacked any photogrammetry structure.

THE OPERATION - Viewport3 reviewed the legacy footage to identify usable frames, developed bespoke processing workflows, and extracted overlapping imagery to support subsea 3D photogrammetric reconstruction.

THE SOLUTION - Advanced photogrammetric techniques were applied to reconstruct a measurable 3D model, delivering a high-density 3D point cloud and surface geometry suitable for dimensional comparison against design data and engineering tolerances. Viewport3 have used legacy data projects to answer elementary questions on multiple occasions, helping answer critical questions that improve confidence levels, help avoid contingency planning and ensure best possible adherence to project schedules.

THE RESULT

- Access to interrogable 3D data without the need for an offshore campaign.
- Significant cost-savings for customer.
- Enabled confident engineering interpretation from video archive, helping client identify the clash.



SCAN TO
VIEW
CASE STUDY



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.



contact@viewport3.com
www.viewport3.com