

Visual3D-Inspector

Asset Integrity Inspection Suite

- ◆ 3D Structure Viewer
- ◆ Project and Event Integration
- ◆ Component focussed Surveys
- ◆ Faster Condition Reviews and Reporting

Benefits

Saves Time:
Faster Reporting

Saves Money:
Reduced Manpower

Meets Close Visual and NDT
Inspection Requirements

Supports ROV and diver-
based inspections

Speeds Condition Reviews
and Reporting

Easier Data Sharing

VisualWorks Integration

Features

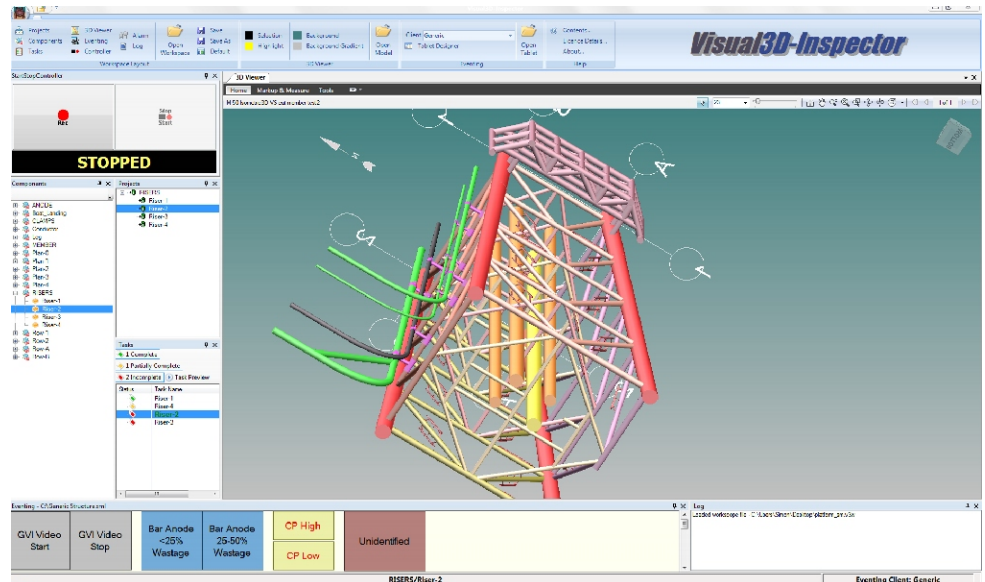
Integrated video and event
recording

3D models showing field
assets viewable from any
angle and distance

Component Task List to
order inspection sequence
and monitor completion

Component Linkage to
events and project for
easier filtering and faster
review

Visual3D-Inspector forms part of a complete solution for the acquisition, management and maintenance of asset inspection data over the lifetime of the field. The 3D Structure Viewer provides a transparent view of inspection targets and a set of inspection tools enables surveys to be planned and tracked at component level in compliance with industry practices and procedures. Full integration with VisualSoft's digital video recording, editing and storage system ensures all survey data is safely archived and easy to access and share. Modular design ensures the system can be tailored to meet the asset inspection requirements and survey procedures of any client.



Visual3D-Inspector integrated with VisualWorks Digital Video Recording System

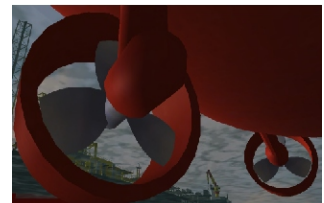
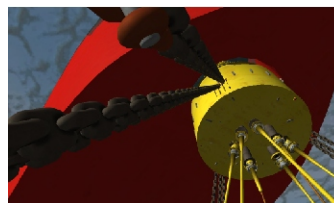


Inspection
Applications
Platforms and
Structures

Subsea Production
Facilities



Risers and Flowlines
Anchors and Mooring
Ship/FPSO Hull
Structural Integrity



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Component Tree Tablet

- ◆ Shows component hierarchy from imported models
- ◆ User controls level of detail shown in 3D structure viewer
- ◆ Component selection snaps view to target.

Project Tree Tablet

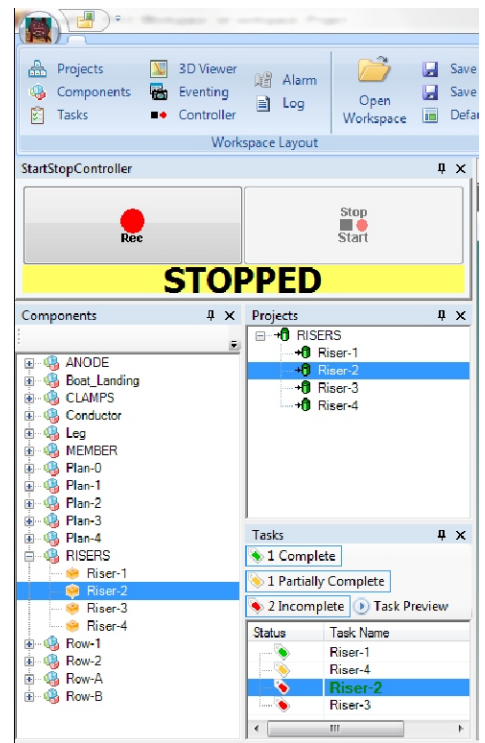
- ◆ Defines inspection projects hierarchy
- ◆ Shows completion status of components inspected as part of project task list
- ◆ User selects scope of online project to associate recorded data with specific component(s).

Task List Tablet

- ◆ Prepare inspection plans by dragging-and-dropping selected components into a task sequence.
- ◆ Preview feature allows users to visually locate and skip through different sets or types of component e.g. Anodes or Hull Plates.
- ◆ Open previously saved inspection plans to resume or repeat a survey.
- ◆ Shows task completion status

Event Tablet

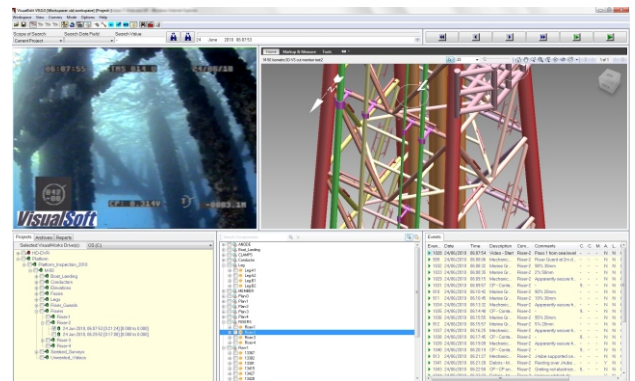
- ◆ Integrated online eventing using custom event buttons defined for inspection plan.



Anode - Inactive	Anode - 25% Active	Joint - Good Condition	Freespan - Start	Crossing - Pipeline Over
Anode - 50% Active	Anode - >75% Active	Joint - Damaged	Freespan - End	Crossing - Pipeline Under
Debris (Soft) - Netting	Debris (Soft) - Rope	Debris (Soft) - Tarpaulin	Burial - Start	Crossing - Umbilical Over
Debris (Hard) - Boulder	Debris (Hard) - Drum	Debris (Hard) - Wire	Burial - End	Crossing - Umbilical Under
Damage - Start	Damage - End	Damage Event	Survey - Start	Survey - End

VisualWorks Integration

- ◆ 3D Viewer operates alongside VisualDVR on same PC with second inspection screen.
- ◆ Synchronise multi-channel video with NDT sensor and positioning data capture in VisualDVR
- ◆ Import custom Event Types/Codes from VisualEvent
- ◆ Import project hierarchy from VisualArchive or create new
- ◆ Link 3D model components to projects and events
- ◆ Click on components to jump directly to stored video, survey and event data for review, copy, and historical comparison using VisualReview/Pro.
- ◆ Generate inspection event reports using VisualEdit/Event.



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