

SeeByte Summary

Experts in Underwater Solutions & Data Management



Offices in Edinburgh, UK and San Diego, US

Serving 14 navies across the globe

Providing solutions to the oil and gas domain

Adding value to hardware through expert software engineering

Working in partnership with leading sensor and vehicle vendors



SeeTrack CoPilot

An Introduction:



Offering easy-to-use plug-and-play software that makes piloting an ROV a much simpler task.

Enabling semi-autonomous, pre-programmed ROV sorties with current and tether effects no longer posing a challenge. SeeTrack CoPilot also provides automated sonar tracking and movement relative to a target.



ROV Automation

Business Benefits:



Construction Support, IRM & Survey

- *Faster operations*
- *Safe and reliable operations*
- *Better data*
- *Better information*
- *Better plans*

SeeTrack CoPilot is capable of carrying out transit operations (moving from one location to another in the field) in less than half the time than is possible using conventional means.

0:25:24 03/07/2006 004 33
442030.20 00007001.00 RVD
10 - Seebyte Trinis



Hercules 8 Subsea7 Discoverer Deep Seas
11:01:43 Depth5592.5ft Head312 01Dec2007

The logo for 'seebyte' features the word 'see' in blue and 'byte' in red. Above the text is a stylized blue graphic consisting of two intersecting curved lines that form a shape resembling a cross or a network node.

seebyte

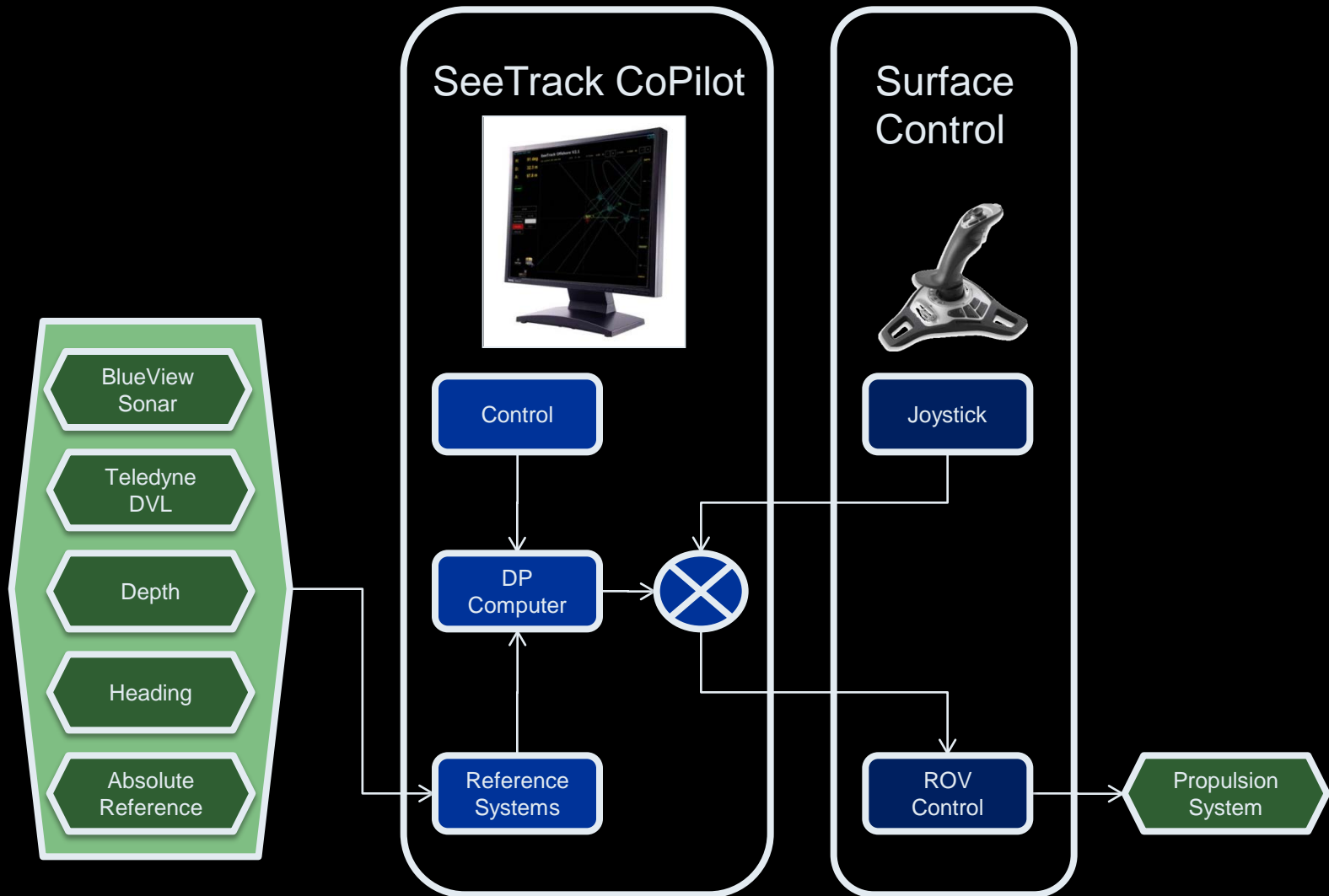
Awareness Made Easy

A large, circular, metallic wellhead or valve is the central focus of the image. It has a textured, concentric ring pattern on its face. The wellhead is set against a dark, industrial background, likely the deck of an offshore oil rig.

SeeTrack Offshore
Stability for Zoom

ROV Automation

What is Dynamic Positioning:



ROV Automation

What is Dynamic Positioning:



Dynamic Positioning is manoeuvring the ROV precisely in either:

- Absolute Coordinates (fixed point over the bottom)
- Relative Coordinates (relative to a moving object or a fixed structure)

Station-Keeping

Cruise-Control

Survey-Control

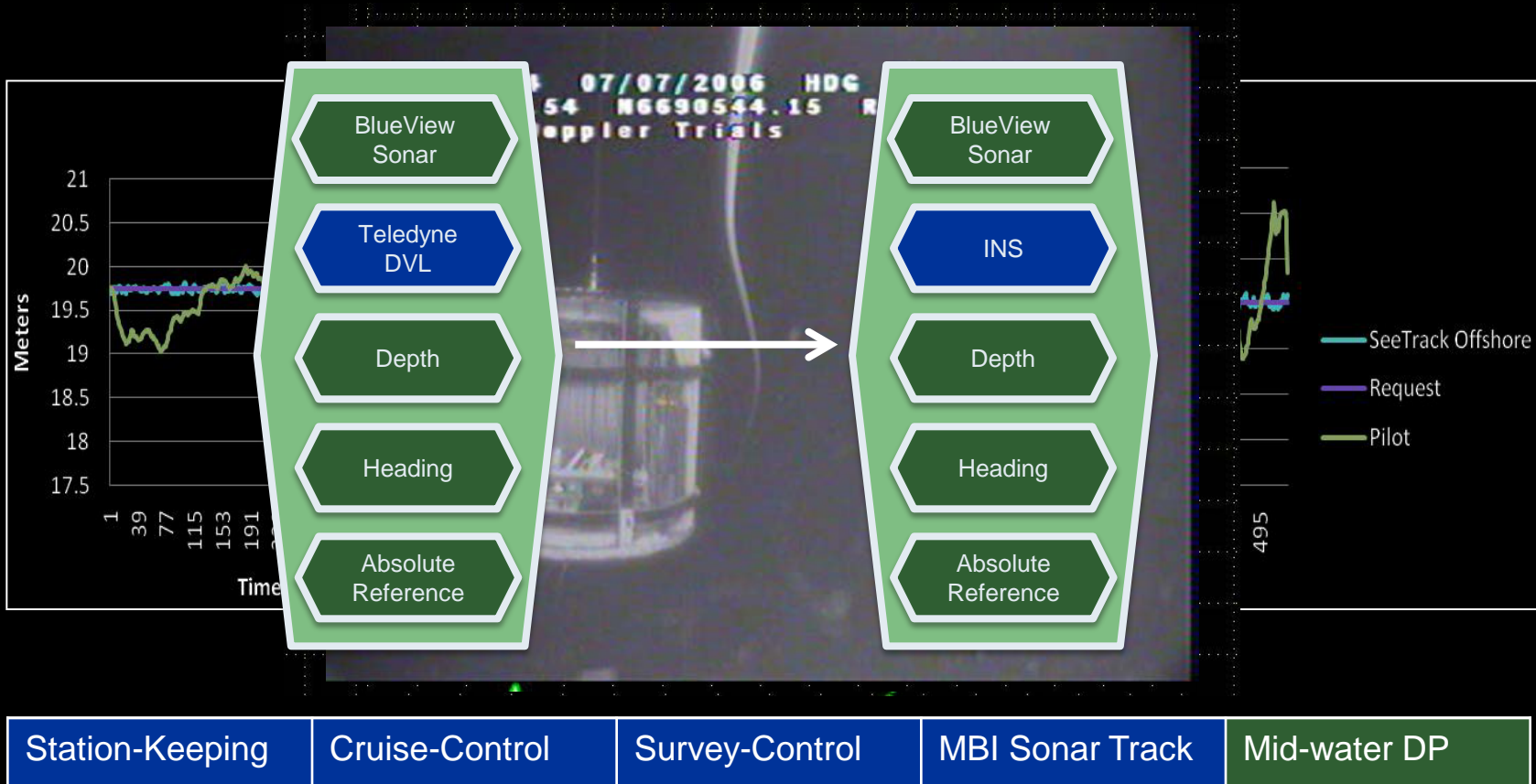
MBI Sonar Track

Mid-water DP

ROV Automation

What is Dynamic Positioning:

Station-Keeping, Cruise Control, Positioning, and Orientation



SeeTrack CoPilot

Jan De Nul Fall Pipe ROV from SMD



Automated control of ROV to ensure 100% coverage of pipeline spans with rocks

Input:

- HAINS – INS

Output:

- Waypoints to ensure 100% pipeline coverage and control

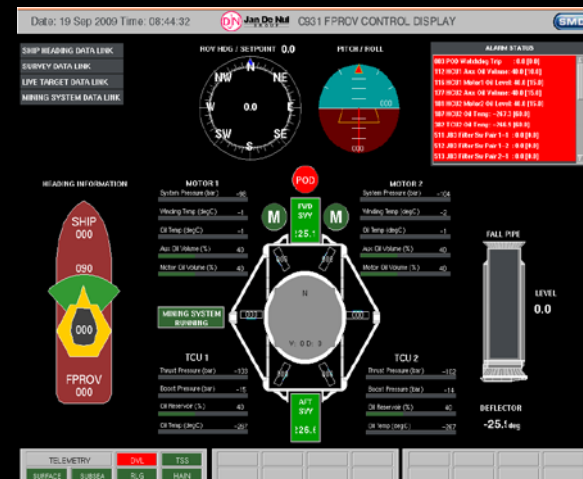
Achievements:

- World-first Mid-water DP Fallpipe
- Improved Operations and Bottom Line



SeeTrack CoPilot

Results



ROV Automation

Uses for Higher Levels of Autonomy:



SMD's DVECSII Integration with SeeByte's SeeTrack CoPilot.

Outputs:

Survey

Through-the-sonar-servo

