

Marine Technology Society

Dynamic Positioning Conference

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Session I

Review of DP Applications, Consequences and Cost of Failures

Diving from Dynamically Positioned Vessels
Pipelaying from Dynamically Positioned Vessels

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Diving from Dynamically Positioned Vessels

- Historical Perspective
 - ◆ “Live Boating”
 - ◆ Four-point boats
 - ◆ DP Diving
- Ramifications of Dynamic Positioning Incidents
 - ◆ Surface Divers
 - ◆ Bell Divers
 - ◆ Structures
- ABS DPS Classifications
 - ◆ DPS - 0, Manual Control
 - ◆ DPS - 1, Single thread with automatic control
 - ◆ DPS - 2, Automatic control with redundancy system
 - ◆ DPS - 3, Automatic control with redundancy and compartment loss
- ADC - “Guidelines for the Specification and Operation of DP DSV’s”
 - ◆ Chain of Command
 - ◆ Positioning sensor redundancy
 - ◆ Alarm Sequences

Pipe-laying from Dynamically Positioned Vessels

- Historical Perspective
 - ◆ Cable Installations
 - ◆ Stove pipe installations
 - ◆ J-lay installations
 - ◆ Reeled pipe installations
- Types of vessels
 - ◆ Ships
 - ◆ Supply vessels
 - ◆ Semi-submersibles
 - ◆ Barges
- ABS DPS Classifications
 - ◆ Industrial vessels vs. self-propelled vessels
- Pipe-laying on DP
 - ◆ Methods of pipeline installation
 - ◆ Effect of pipe tension on DP Systems
- Ramifications of Dynamic Positioning Incidents
 - ◆ You are in trouble, boy!
 - ◆ Abandonment and recovery
 - ◆ Alarm sequences