

## **Stability Management for DP Supply Vessels**

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### **Abstract**

This paper attempts to explore the topic of *Stability Management for DP Vessels*. This paper is not a tutorial on the subject matter but an investigation into a collection of best practices surrounding three (3) important stability topics, namely, people, processes and technology. Understanding their relationships and influence should make this paper a worthy endeavor for both the writer and the reader.

It is known that stability management for DP supply vessels is essential for the safe operation of the vessel under demanding and changing loading and weather conditions both offshore and at rest at the dock. Prudent DP vessel owners and crew consider all risks of operation including risk of loss of vessel stability from internal and external causes. Failures to manage stability have resulted in several notable losses of vessel and cargo. Topics in the paper include focus areas such as the following:

- Internal and external DP vessel stability concerns
- Value gained from proper stability management on a DP vessel
- How people can effect and control DP vessel stability
- Proper management of DP vessel stability
- Technology available to DP vessels
- Processes employed on DP vessels
- Training and Skills for DP personnel
- Integration of people, process and technology

It is our goal to bring the subject of stability to the forefront of the DP Vessel owner and operator through this paper.

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