

Power Management System for the "Deepwater Horizon" a Dynamically Positioned All Weather Semisubmersible

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Abstract

In order for a fully dynamically positioned drilling rig to perform safely in deep water, the design of the power generation and distribution plant along with the control and protection systems, are of vital importance. The paper reflects the installation on the Deepwater Horizon where the electric power plant by its multiple bus system is designed for a minimum of disturbances to the drilling operation should any problems in the power plant occur.

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