

Title: eSiLOOP – DP3 Vessels with Hybrid Power Plant

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Abstract

This paper include the principal design, benefits and simulations of the next generation power plant for large DP vessels where high voltage generation and distribution is needed; The Siemens eSiLOOP™.

The solution offer operators significant reductions in fuel and maintenance costs. Further, the solution allows for shutting down all diesel engines in an engine room while operating vessels in DP3 mode. This reduces Operational Expenditures (OPEX) of operators.