

New Concepts for Electrically Driven Pod Systems

Author: Joachim Müller *Schottel*

Abstract

Diesel-electric Pod drives are well known and have become the standard drive for large cruise liners and ferries. The teething problems which these drives faced at the beginning seem to have been solved. But are these drives already reliable and economical enough as propulsion systems for offshore vessels?

In the power range from 1 to 5 MW, SCHOTTEL has developed new concepts based on simplicity and ingenious ideas, working on the basis that "every part you leave out cannot fail".

Two different systems have been developed: a small Pod system for a power range of up to 5 MW using a simple, straightforward asynchronous motor, and a combination of Pod and mechanical azimuthing thruster, the so-called Combi Drive. This paper provides an overview of the development of both systems and their current references.

Click below to:

[Review the complete paper](#)

[Review the presentation](#)

[Return to the session directory](#)