

**Title:** DYNAMIC EFFICIENCY - Propulsors with Contra-Rotating Propellers for Dynamic Positioning

**Authors:** Kari Kyyrö and Markus Niemi, *Steerprop Ltd.*

**Abstract**

Azimuthing propulsors with Dual-End Contra Rotating Propellers offer many benefits for DP vessels. Properties of this concept are highlighted and compared to those of ducted units. Considerable fuel savings are possible thanks to an excellent overall efficiency in a typical operating profile of the ship.

Ice navigation and ice management bring out even more strengths of the configuration. Some differences between fixed and controllable pitch units are discussed.

**Click below to:**

[Review the complete paper](#)

[Review the presentation](#)

[Return to the Session Directory](#)