

## Press Release

Voith Turbo GmbH & Co. KG  
Alexanderstraße 2  
89522 Heidenheim, Germany  
Tel. +49 7321 37-2802  
Fax +49 7321 37-7110  
www.voith.com

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### **Improving vessel operability in rough waters**

Continued success in the Scottish maritime sector has prompted Voith to extend the geographical footprint of its Voith-Schneider propeller range into Africa. Caledonian Maritime Assets (CMAL) recently equipped its third hybrid ferry with two 16R5 EC/90-1 Voith Schneider propellers (VSP), together with two bow-tooth couplings and the Voith electronic control system.

The 43.5-m-long, 12.2-m-wide vessel is capable of accommodating approximately 150 passengers and 23 cars at a speed of nine knots. Despite its enormous size, the hybrid ferry will be capable of navigating the rough Scottish waters with ease, thanks to the two 375 kW VSPs.

Accurate control, positioning and manoeuvrability are imperative to safety when docking in rough seas, especially where landings are comprised of concrete ramps where the vessels dock without being firmly moored.

“The African coastline provides its own challenges with rough seas, and also tight manoeuvring within harbours and between vessels. The VSP has proven to be the first choice for coast guards and navies, affording safety and reliability, combined with the well-renowned Voith support and service”, states Vice President of Power, Oil & Gas Africa, Derain Pillay.

The Voith electronic control system consists of a modular hardware and software architecture and offers many control features and standardised interfaces, to enable swift and precise actuation of the two VSPs. To ensure that the two VSPs are protected when docking, they are arranged diagonally in recesses and not in a central position at the bow and in the stern.

Voith Turbo, a Group Division of Voith GmbH, is a specialist for intelligent drive solutions. Customers from highly diverse industries such as oil and gas, power, mining and metal processing, ship technology, rail and commercial vehicles rely on advanced technologies from Voith Turbo.

Voith sets standards in the markets power, oil & gas, paper, raw materials and transportation & automotive. Founded in 1867, Voith employs more than 39,000 people, generates € 5.3 billion in sales, operates in about 50 countries around the world and is today one of the largest family-owned companies in Europe.

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Contact:

Terry-Lynn McIntosh  
Marketing Coordinator  
Telephone: +27 11 418 4000  
[Terry.McIntosh@voith.com](mailto:Terry.McIntosh@voith.com)