

Media Release

Voith GmbH & Co. KGaA
Center of Competence Corporate
and Market Communication EMEA
St. Poeltener Strasse 43
89522 Heidenheim, Germany
Tel. +49 7321 37-2109
Fax +49 7321 37-7107

www.voith.com

Page 1 of 4

Voith Schneider propellers make the new “Norderaue” ferry efficient and environmentally friendly

2018-06-08

- **The third Wyker Dampfschiffs-Reederei double-ended ferry is equipped with four Voith Schneider propellers**
- **High propulsion power and maneuverability in shallow water**
- **Reliable transport of passengers and vehicles on the Föhr-Amrum route**

Heidenheim, Germany. For the third time, Voith Schneider propellers (VSPs) will be fitted to a double-ended ferry operated by Wyker Dampfschiffs-Reederei (W.D.R). The proven propulsion and steering concept will allow the new ferry “Norderaue” to navigate the Wadden Sea on its regular route in a reliable, efficient and eco-friendly manner.

Following the official christening ceremony of the “Norderaue” on 6 June 2018, W.D.R has launched its third double-ended ferry. The new build will be a welcome addition to the fleet of the long-established shipping company on the highly frequented Föhr-Amrum route. Like the two sister vessels “Uthlande” and “Schleswig-Holstein”, four VSPs will drive the ferry. With an input power of 470 kilowatts in each propeller, the “Norderaue” can travel at a maximum speed of 12 knots, a speed that is rarely needed for scheduled services. These power reserves enable the operator to optimize fuel consumption and minimize emissions. They also allow to compensate delays and unfavorable weather conditions.

With a length of 75 meters and a maximum width of 16.40 meters the “Norderaue” is a large ship and needs the appropriate propulsive power. After all, it is designed to transport cars on more than 350 lane meters and trucks on 280 lane meters, as well as up to 1,200 passengers, to and from ferry ports. Due to the shallow waterway however ships using the Wadden

Sea require a low draft. The new W.D.R vessel has a draft of just 1,908 meters. To achieve this low value, despite the size of the vessel, the blades of the VSPs used are slightly shorter than the standard version. In order to deliver a high amount of power into the water, a total of four VSPs are installed. Two of the proven drive systems, type 16R5 EC/100-1, are integrated on each end of the vessel built at the Neptun shipyard in Rosstock. These systems increase the vessel's reliability, which is already particularly high due to the ruggedness of the VSPs. As a result, the vessel can be maneuvered with ease even in the shallow waters of the ferry ports Dagebüll, Wyk or Wittdün. This design concept enables the "Norderaue" to operate efficiently in the shallows of the Wadden Sea.

Due to the symmetrical design of the vessel time consuming turning manoeuvres are unnecessary which also reduces fuel consumption. Like its two sister ships, the vessel also has the "Blue Angel" certification for environmentally friendly ship design and operation.

About the company

Voith Turbo, a Group Division of Voith GmbH, is a specialist in intelligent drive solutions and systems and pioneering services. Customers from a diverse range of industries such as oil and gas, energy, mining and mechanical engineering, ship technology, rail and commercial vehicles rely on cutting-edge technology from Voith Turbo.

Voith is a global technology group. With its wide range of plants, products, services and digital applications, Voith sets standards in the markets for energy, oil and gas, paper, raw materials and transport & automotive. Founded in 1867, Voith today has more than 19,000 employees and earns 4.2 billion euros in sales. It has locations in over 60 countries and is one of the largest family-owned companies in Europe.

Voith GmbH & Co. KGaA
Center of Competence Corporate
and Market Communication EMEA
St. Poeltener Strasse 43
89522 Heidenheim, Germany
Tel. +49 7321 37-2109
Fax +49 7321 37-7107

www.voith.com



Voith GmbH & Co. KGaA
Center of Competence Corporate
and Market Communication EMEA
St. Poeltener Strasse 43
89522 Heidenheim, Germany
Tel. +49 7321 37-2109
Fax +49 7321 37-7107

www.voith.com

Page 3 of 4

Caption: The Wyker Dampfschiffs-Reederei has launched their third double-ended ferry utilizing four Voith Schneider propellers for the Föhr-Amrum route.

Contact:

Terry-Lynn McIntosh

Manager Product & Corporate Communication EMEA

Key Account Voith Turbo

Tel.: +49 7321 37 2109

Terry-Lynn.McIntosh@voith.com

Twitter

<https://twitter.com/voithgmbh>
https://twitter.com/voith_hydro
https://twitter.com/voith_paper
https://twitter.com/voith_turbo
https://twitter.com/Voith_DS
https://twitter.com/Voith_Career

Instagram

LinkedIn

<https://www.linkedin.com/company/voith-gmbh>
<https://www.linkedin.com/company/voith-hydro>
<https://www.linkedin.com/company/voith-turbo>
<https://www.linkedin.com/company/voith-paper>
<https://www.linkedin.com/company/voith-digital-solutions>

Facebook

YouTube

<https://www.youtube.com/user/VoithTurboOfficial>
<https://www.youtube.com/user/VoithPaperEN>
https://www.youtube.com/c/Voith_Hydro

<https://www.instagram.com/voithgmbh/> <https://www.facebook.com/VoithGlobal/>

Voith GmbH & Co. KGaA
Center of Competence Corporate
and Market Communication EMEA
St. Poeltener Strasse 43
89522 Heidenheim, Germany
Tel. +49 7321 37-2109
Fax +49 7321 37-7107

www.voith.com

Page 4 of 4