

For Immediate Release

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Severn Trent De Nora Supplies BALPURE® to World's First Offshore Barges with Built-in Ballast Water Treatment Systems

The BALPURE ballast water treatment system, which received Type Approval in July 2011, has been selected for use on two flattop oceangoing heavy deck cargo barges.

FORT WASHINGTON, Pa. – 16 January 2012

The Type-Approved [BALPURE® ballast water treatment system](#) from Severn Trent De Nora has been selected for use on two oceangoing heavy deck cargo barges being constructed for Norwegian-based Greenway Shipping by Dalian Shipyard, at its shipyard in Dalian, China. The 9,025 dwt oceangoing barges will be the first new offshore barges to install the BALPURE system.

The Greenway barges are the first offshore barges to have built-in ballast water treatment systems. The BALPURE system was selected from a list of competing vendors due to its robust and proven electrolytic disinfection technology perfected by Severn Trent De Nora over 35 years in the marine and offshore industries. BALPURE was also chosen for its treatment approach, low power consumption and low maintenance requirements.

Trym Gade Lintoft, marketing director – partner of Greenway Shipping, said, "Greenway Shipping chose the BALPURE system because of its technical features and Severn Trent De Nora's long history of water treatment in the marine industry. Despite the fact many new ballast water treatment systems have been recently introduced, we wanted to work with an established organization that provided a first class, fully operational system resistant to the harsh marine environment. Our offshore barges are the first in their class to be equipped with ballast water treatment systems, and we strongly believe Severn Trent De Nora will support us throughout the barges' expected lifespan of thirty years."

"The BALPURE system is gaining headway globally among vessels requiring a robust and reliable solution," said Jim McGillivray, BALPURE general manager for Severn Trent De Nora. "This contract with Greenway Shipping represents our first order in Norway, and we see great potential for the BALPURE system with the country's marine industry. Our regional sales manager in the territory, Mr. Ulf Hallberg, will be further developing and promoting BALPURE across the Nordic region."

Two BALPURE systems to be supplied in sub-assemblies, one set for each of the barges, will be provided to Greenway Shipping. Each BALPURE system is capable of treating ballast water flow rates of up to 600 m³/h. The BALPURE systems will be delivered and installed in March 2012.

BALPURE, which utilizes electrolytic disinfection technology, is a reliable and economical ballast water treatment approach which has been proven to surpass IMO D-2 standards by ten-fold. BALPURE's slip stream treatment approach, where approximately one percent of the total ballast water flow is used to generate the hypochlorite disinfection solution, enables remote mounting away from the critical ballast systems. The slip stream approach, coupled with a design that requires treatment only during the uptake of the ballasting cycle, requires significantly less electric power when compared to competing technologies – ensuring low operational costs.

BALPURE offers a virtually maintenance-free approach to ballast water treatment through the use of proprietary self-cleaning electrodes that eliminate the need for chemical and mechanical maintenance which could otherwise be time consuming for ships' crews. BALPURE has also received third-party assurance by GL Noble Denton, which concluded after an extensive testing program that the BALPURE system has no effect on coated steel, naval bronze and Copper-Nickel alloys.

Severn Trent De Nora will be showcasing the BALPURE system at the [Asia Pacific Maritime](#) exhibition (stand J16), 14 – 16 March 2012 at the Sands Expo & Convention Centre, Marina Bay Sands, Singapore.

About Severn Trent De Nora, LLC

For over 35 years, Severn Trent De Nora, LLC (www.severntrentdenora.com) has been designing, manufacturing and offering innovative electrolytic disinfection treatment solutions to the marine and offshore markets. With a proven history and a track record of delivering economical disinfection solutions in the marine and offshore markets, Severn Trent De Nora sets a new standard in ballast water treatment with the Type-Approved BALPURE[®] system.

Severn Trent De Nora is a joint venture between Severn Trent Services and Gruppo De Nora. Severn Trent Services is a business of Severn Trent PLC (www.severntrent.com), a leading FTSE100 company.

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