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Siemens Wind Power presents first customized turbine transport vessel in Esbjerg

- **Milestone for new offshore wind power logistics concept**
- **Ro-Ro-vessel can carry multiple large direct drive nacelles per trip**

Sea transportation and Roll on-Roll off-loading (Ro-Ro) are both key in Siemens' new offshore logistics concept launched in 2015. Now the company has commissioned its first specialized transport vessel, the *Rotra Vente*. It fulfills the needs for cost effective transportation of the large nacelles used in Siemens' direct drive offshore wind turbines. The 141-meter long vessel can carry multiple 8-megawatt nacelles per trip and will connect Siemens' coming manufacturing site in Cuxhaven, Germany with installation harbors in the North and Baltic Seas. Siemens and logistics partner deugro organization celebrated the delivery of the ship today, together with customers and representatives of the European offshore wind industry, in the Danish harbor of Esbjerg. A sister ship is expected to be delivered in spring 2017.

Designed from a base of an existing hull of a container ship the vessel was rebuilt for its new purpose at Holland Shipyard in Hardinxveld-Giessendam in the Netherlands. Part of its new equipment is a large bow door that allows Ro-Ro access to the restructured cargo deck. The deck is covered by a telescopic roof to protect the nacelles from salty seawater spray during transportation. Since the roof can be opened, *Rotra Vente's* cargo can also be loaded via cranes at harbors without a Ro-Ro ramp. Due to maximum flexibility of the deck, she can also handle transports of up to nine wind tower sections per trip or three to four rotor blade sets.

"With our new Ro-Ro transport vessel *Rotra Vente*, we are stepping into a new era of cost efficient offshore wind logistics," states Michael Hannibal, CEO Offshore of

Siemens Wind Power. "When our new factories in Hull, England and Cuxhaven, Germany become fully operational, and both Ro-Ro vessels are in service as interconnection of our manufacturing and installation network, we expect savings of 15-20 percent in logistics costs compared to current transport procedures. This is another important contributor reducing the cost of electricity from offshore wind."

"We are proud to operate *Rotra Vente* for Siemens, since this vessel marks a new milestone in the close cooperation we have maintained for years," said Richard Thomsen, Managing Director of deugro, the project freight forwarding division of the deugro Group "We signed the contract for this innovative logistics concept just one year ago, and we already have one highly efficient ship operational, with a second one in the shipyard."

Rotra Vente's sister ship – a transporter for towers and blades – is already under construction. This vessel will accommodate up to 12 wind turbine rotor blades and transport them from Siemens' production facilities in Hull, England or Aalborg, Denmark to the respective installation harbor.



***Rotra Vente* in the harbor of Esbjerg**

The new transport vessel is 141 meters long and will transport multiple Siemens 8-megawatt nacelles per trip. For Ro-Ro loading, a large bow door can be opened. A telescopic roof protects the nacelles from salty seawater spray and can be slid away for optional lift-on loading.

This press release and a press picture are available at:

www.siemens.com/press/PR2016120100WPEN

For further information on Siemens Wind Power, please see:

www.siemens.com/wind

To learn more about the deugro Group, visit: www.deugro.com

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