

The Royal Institution of Naval Architects

Design & Operation of Wind Farm Support Vessels

29-30 March 2017, London, UK



Call for Papers



Vessel operators are keen for new Wind Farm Support Vessel (WFSV) designs to meet the changing demand of the offshore wind sector; larger vessels with improved sea keeping and greater payload capacity. As the Wind farms grow and mature, maintenance management is playing a larger role and changing the operational profile of the vessels. It is becoming more economic, and safe, for technicians to stay on station at the wind farms for longer periods. No longer are vessels speeding out to a turbine and back, but making numerous stops with a subsequent period of loitering before repeating the process on the way back to port. All of which places a different set of demands on the powering of the vessel.



Human-System Integration is continues to be important in the design, and more research is being carried out on cabin and wheelhouse ergonomics, with particular attention to navigation controls. The standards expected in terms of comfort and facilities for the technicians, who may be required to be stay on board for longer periods and in higher sea states, are also increasing. There also remains the critical issue of the safe transfer of crew and technicians between shore and turbine, and vessel and turbine.

Offshore wind farm support vessels have been one of the most dynamic maritime construction and operational sectors over the last 10 years. There are now believed to be about 400 vessels operating in the European market. Supply and service vessels are increasingly in demand as offshore windfarms continue to expand with new sites being developed in Europe, Asia, and the USA. As the market continues to develop and mature, RINA returns to the subject to investigate the impact of new standards, new regulations, and new developments made within the industry.

RINA invites papers from designers, class societies, operators, researchers, and builders on all related topics, including:



- Vessel design; hull, general arrangement, interior, etc. including innovative features
- Classification & statutory requirements - impact of new rules & regulations
- Powering & propulsion; all-electric and hybrid-electric propulsion, system layout & fuel efficiency
- Sea keeping & manoeuvring - thrusters, dynamic positioning, trials & evaluation
- Equipment for transfer of personnel and cargo
- Operational aspects; Navigation, communication, safety, operational reliability and efficiency
- Crew safety & comfort - fatigue, health & safety, training, 'walk to work' systems

Selected papers may be published in the Transactions of the Royal Institution of Naval Architects

www.rina.org.uk/WFSV_2017

- ☐ I would like to offer a paper and attach a synopsis of no more than 250 words
- Please submit your 250 word abstract before 27th November 2016**
- ☐ I wish to receive details on exhibition space and sponsorship opportunities
- ☐ I would like to receive a full programme brochure and registration form

Name:	Position:
Company:	
Address:	
Postcode:	
Telephone:	Fax:
Email:	

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