The Royal Institution of Naval Architects

Design & Operation of

Wind Farm Support Vessels

30-31 March 2016, London, UK

Call for Papers

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. Building on the success of previous two conferences, RINA returns to the subject to investigate the impact of new standards, new regulations, and new developments made within the industry.

Vessel operators are keen for new vessels designs to meet the changing demand of the offshore wind sector; larger vessels with improved sea keeping and greater payload capacity. With more global construction, an increasing numbers of wind farm developments are in more distant, hostile, and deeper environments. This has meant that 'Mothership' concepts are starting to gain traction; it is becoming more economic for technicians to stay on station at the wind farms for longer periods. And as the first near shore wind farm developments move from construction to the operational phase, maintenance management is playing a larger role.

Human-System Integration is becoming more important in designs, 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.

To further investigate these specialised vessels 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/WFSV2016

☐ I would like to offer a paper and attach a synopsis of no more than 250 words

Please submit your 250 word abstract before 11th December

☐ 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:

Please return to: Conference Department, RINA, 8-9 Northumberland Street, London, WC2N 5DA
by fax on +44 (0)20 7259 5912 or by email: conference@rina.org.uk