

Local Communities



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IMarEST BeNeLux Branch - Technical Meeting

Superyacht Savannah and DC propulsion

Speakers: Mr. Mark Jansen & Onno Bol (Royal De Vries) / Mr. Alexander Breijts (RH Marine)
Positions: Project Manager / Lead engineer electrical / Product manager Electrical power and hybrid solutions.
Companies: Royal De Vries Aalsmeer / RH Marine
Websites: www.feadship.nl / www.rhmarinegroup.com
Date: Tuesday 07 February 2017
Time: 18:30 – 22:00
Venue: Delft University of Technology – 3ME Faculty – lecture room D (James Watt)
Mekelweg 2
2628 CD Delft
Contact: IMarESTBeNeLux@gmail.com
Parking: P-Aula or P-3ME; see campus map on <http://www.tudelft.nl/en/contact/>.

Dear member or friend,

You are hereby cordially invited to the coming Technical Meeting of the IMarEST BeNeLux Branch. Details of the programme and additional information can be found below. Your attendance to this Technical Meeting will be much appreciated. I look forward to seeing you on the 7th of February.

Would you kindly let me know if you plan to attend this event by registering [online](#). Please register before Thursday 2nd of February, so I can order sufficient refreshments. Please note we have changed our policy concerning refreshments for non-members of IMarEST. We now kindly ask a voluntary contribution to refreshments costs of 5 euro's from non-members. The bank account number of IMarEST BeNeLux branch is: NL67 RABO 0364 6179 69 (no refund).

Thank you in advance.

Yours sincerely,
P. de Vos MSc CEng CMarEng MIMarEST – Honorary Secretary IMarEST Benelux Branch.

Detailed Programme

18:30 Welcome incl. coffee; meet other attendees
19:00 Technical Presentation – part 1: Superyacht Savannah - from design to realization (Royal De Vries)
19:45 (Coffee) Break
20:00 Technical Presentation – part 2: DC Propulsion (RH Marine)
20:45 Discussion / remaining questions
21:00 Drinks / Networking event
21:45 Closure

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Abstract

MY Savannah is based on the *breathe* concept. This propulsion package was designed to have a challenging high fuel efficiency. The interior and exterior accomplish synergy in the overall design. The *breathe* concept is now successfully turned into a superyacht with outstanding characteristics that received all international yacht awards and was nominated for the KNVTS ship of the year award.

Trends toward increasing demands for higher efficiency, smaller footprint and less noise on board ships asks for a new design philosophy of the ship's electrical power networks. Introduction of energy storage and hybrid propulsion systems even add to this need. This presentation will provide insights in how the DC grid on board the MY Savannah supports the optimal utilisation of the hybrid power and propulsion system. Further it will discuss the advantages and disadvantages of the DC grid. The presentation will conclude with the energy management automation optimizing power distribution during operation and subsequent recorded savings.

About the Speakers

Mark Jansen joined Royal de Vries Aalsmeer 17 years ago as an electrical engineer. After several jobs he became Project Manager. In this function he was responsible for the "Savannah" project. Currently Mark is project manager of another challenging new built project.

Onno Bol started his career at Van Oord as an electrical superintendent. 10 years ago he started as an electrical engineer at Royal de Vries Aalsmeer. Currently he is lead engineer electrical. Within these functions he gained broad experience with DC grids and their operational challenges.

Alexander Breijs graduated in Electrical Engineering at the Delft University of Technology; Systems and Control department. He started his career at Imtech Marine as a Consultant ship motion control, mainly involved with Dynamic Positioning systems. His current position is Technical product manager electrical power and hybrid solutions at RH Marine.