Dear member or friend,

You are hereby cordially invited to the coming Technical Meeting of the IMarEST BeNeLux Branch. For the first time since long we will have a live meeting, however for an audience of maximum 100 persons (due to capacity limitations at the venue). This lecture will therefore be a hybrid meeting, i.e. there is the possibility to follow the Technical Meeting of the IMarEST BeNeLux Branch online. Details of the programme and additional "log-in" information will be sent later.

Your attendance to this Technical Meeting will be much appreciated. I look forward to seeing you either live or online on the 7th of April. The lecture will start at 18:45.

Would you kindly let me know if you plan to attend this event by registering here. Please register before Monday 4th of April, so that we can maintain the maximum number and order sufficient coffee. Please note that we kindly ask a small contribution to refreshment costs of 5 euro’s from non-members of the IMarEST for the drinks afterwards (i.e. coffee is free for everyone, but if you intend to join the drinks after the lecture and are not a member of the IMarEST we ask you to chip in). The bank account number of IMarEST BeNeLux branch is: NL67 RABO 0364 6179 69 (no refunds). Note that students can become members of the IMarEST for free here. If you register for online attendance, a link to join the meeting will be sent prior to the meeting.

If you are not a member yet, and do regularly attend our lectures, please consider joining:
Combined membership KIVI and IMarEST: link
For more information on joining IMarEST: membership link
Free membership for students: student membership link
Thank you in advance.

Yours sincerely,
Erik-Jan Boonen – Honorary Secretary IMarEST Benelux Branch.

**Detailed Programme**
18:30 Welcome incl. coffee; meet other attendees
18:40 Digital meeting room open
18:45 Technical Presentation - Part I
19:30 (Coffee) Break
19:45 Technical Presentation - Part II
20:30 Discussion / remaining questions
21:00 Drinks / Networking event
23:00 Closure

**Event description**

**Exchangeable battery containers for Inland Shipping**

A new energy concept has been developed where electrical energy, stored in swappable battery containers, is used for propulsion and auxiliary power of inland ships. The service includes the loading and unloading of the battery containers and on shore charging.

The lecture will highlight the technical aspects of the ship's propulsion, the swappable battery container and the safety aspects of the design. Last but not least the particular use of a fire protection system will be addressed, in particular safeguarding against thermal runaway.
About the Speakers

**Teus van Beek**
Teus van Beek has an education at Delft University of Technology, naval architecture with specialization in ship hydromechanics. His experience is related to the design and applications of Marine Power Systems to all kind of vessels. Active participation in development and design projects has given him a wide overview and technical background as well as the business needs in ships’ design. Teus has been active in external commercial contacts as well and has a wide network in the shipping industry. He contributed to well over 30 technical publications on various technical aspects of ship power systems. Currently his position is General Manager Ecosystem Innovation at Wartsila. The Ecosystem Innovation work is set out to create and promote future concepts for the marine industry by showing thought leadership and testing the waters for new technologies and solutions. But this also includes collaboration with customers to explore the introduction of new solutions that support sustainable shipping. These last two years this work has contributed to the development of battery containers and the start-up of a new business based on pay per use business model for inland shipping. This is the topic of the presentation.

Currently: Gen. Manager Ecosystems Innovation Wärtsilä

**Cor Meedendorp**
Cor Meedendorp is an expert in the field of Lithium batteries and based on this expertise he started in 2017 the company FIFI4MARINE (fire fighting for Marine). Cor has worked his entire career in the maritime sector, including inland shipping and has 25 years of experience with Marine Power Systems in yacht building. Prior to FIFI4MARINE he founded a company for the manufacture of Lithium batteries. His knowledge in this area comes in handy at his current company FIFI4MARINE, which focuses on extinguishing systems for lithium batteries on board of ships.

Currently: CEO FiFi4Marine