

**Seminar:
New standard for Electric Harbour
Craft Charging Infrastructure**

28 March 2025 (Friday)
9:30 am – 11:30 am
Suntec Singapore Convention &
Exhibition Centre



Join us to learn about Singapore's new Technical Reference (TR) 136 for Electric Harbour Craft (e-HC) Charging and Battery Swap System.

As Singapore advances towards maritime decarbonisation, TR 136 sets comprehensive guidelines ensuring the safe and efficient operation of e-HC charging infrastructure. This new TR establishes robust safety protocols to protect both personnel and assets during system installation and daily operations.

By aligning with international standards, TR 136 promotes interoperability. This standardisation creates a reliable framework that benefits maritime stakeholders from vessel owners and port operators to system providers.

The implementation of TR 136 marks a milestone in Singapore's maritime development. It enhances operational safety and efficiency and supports new opportunities for industry growth, technological innovation, and workforce development in the expanding e-HC sector.

WHO SHOULD ATTEND

Ship owners, port operators, manufacturers, charging and battery swap system providers, training providers, consultants and, testing, inspection and certification bodies

SEMINAR HIGHLIGHTS

- ✓ Understand TR 136's background and scope through experts' sharing on this TR
- ✓ Benefits from clear explanations and illustrations of charging and battery swap systems
- ✓ Learn from industry leaders about requirements, implementation strategies, and safety protocols for e-HC operations

PROGRAMME

9:00 am	Registration
9:30 am	Welcome Address Mr Andrew Chow <i>Chair</i> <i>Electrical and Electronic Standards Committee</i>
9:35 am	Keynote Address: Supporting Singapore's Electric Harbour Craft Ecosystem through Standards Mr Tay Yuan Sherng <i>Director (Decarbonisation Planning and Infrastructure)</i> <i>Maritime and Port Authority of Singapore</i>
9:50 am	Powering Electric Harbour Craft in Singapore – Safety and Interoperability Requirements Mr Ng Bingrong and Er. Lim Say Leong <i>Co-Convenors</i> <i>Working Group on Electric harbour crafts charging system</i>
10:30 am	Industry Perspectives on Implementation of Electric Harbour Craft Charging and Battery Swap System Mr Low Jin Yi <i>Chief Innovation Officer</i> <i>Pyxis</i> Mr Sankara Narayanan Chidambaram <i>Systems Solution Manager</i> <i>Yinson Greentech</i>
10:50 am	Panel Discussion Panellists: All speakers
11:30 am	End of Session

Programme is subject to change without prior notice

SEMINAR DETAILS AND HOW TO REGISTER

Date:	28 March 2025 (Friday)
Time:	9:30 am – 11:30 am Registration starts at 9:00 am
Venue:	Suntec Singapore Convention & Exhibition Centre 1 Raffles Blvd, Singapore 039593, Room 327
Fee:	Complimentary

Please click to register your participation for the seminar in the link provided. <https://forms.office.com/r/3GzP2dXWsC> or scan the following QR Code to register.



Registered participants can purchase the standard at a 20% discount. More details on how to purchase the standard will be sent to all registered participants.

Please register your interest for the seminar by **26 March 2025**. Registration is on a first-come-first-serve basis and will be **confirmed by an email**.

For enquiries on the seminar, please contact **Mr Sim Chen Han** at chenhan.sim@ntu.edu.sg / **Ms Lakshmi Pathiyil** at lpathiyil@ntu.edu.sg

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NTU-SDO is supported by Enterprise Singapore and endorsed by the Singapore Standards Council to manage the development and promotion of standards under the Electrical and Electronic Standards Committee.

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