

SHIZERO^o28.5

In conjunction with SINGAPORE  **maritimeweek[®]**



WAH KWONG



ECONOWIND

AGENDA



Workshop Objective:

Laying the groundwork for electric and pure hydrogen/electric short sea vessels out of Singapore.

08:00 Registration - Coffee/Tea/Dim Sum

08:30 Welcome - Rules of Engagement, ShipZERO workshops, and Absolute ZERO definition – Ms. [Madadh MacLaine](#), Secretary General, **ZESTAs**

08:40 Keynote “Why focus on Absolute ZERO Now?” – Mr. [Matthieu de Tugny](#), Executive Vice President, **Bureau Veritas Marine & Offshore**

Setting the Scene - Bridging East and West to Accelerate Absolute Zero Emissions Shipping.

09:00 - 09:30 A moderated discussion between Mr. [Gan Shaowei](#), Director of Wuhan Rules & Research Institute of CCS, Chinese Classification Society and Mr. [Nicholas Brown](#), **Bureau Veritas, Marine and Offshore**, led by Mr. [Hing Chao](#), Executive Chairman, **Wah Kwong Maritime Transport Holdings Limited**

Session One: Challenges to implementing Electric and Hydrogen-Electric for Short Sea Shipping from a Port and Vessel perspective Moderated by [Mr Jogchum Bruinsma](#), Chair of **ZESTAs**

09:30 – 09:45 Mr. **Hock Nguan**, Assistant Vice President, **PSA Corporation**

09:45 – 10:00 Mr. **Yujin Chia**, Head, Sustainability, Decarbonisation and Marine Fuels, **Pacific International Lines (PIL)**

10:00 - 10:20 Panel discussion with presenters

10:20 - 10:30 Audience Q&A

Networking break with refreshments

Platinum Sponsor



**BUREAU
VERITAS**

Session Two ALL THE ENERGY SHIPPING REQUIRES IS AT SEA

Energy Solutions and Port Infrastructure Solutions.

Moderated by Mr [Mohamed Rashed](#), Founder and lead advisor at

Razor Blunt Labs

11:00 – 11:05 Chair's welcome back and introduction of speakers and explanation of next sessions

11:05 – 11:15 Mr. [Erik Langeteig](#), Vice President – Global Specialty Markets, **Chart Industries, Inc.**, Liquid Hydrogen Infrastructure

11:15 – 11:25 Ms. [Haseena Bheekhun](#), Chief Operating Officer, **Unitrove**, Liquid Hydrogen bunkering

11:25 – 11:35 Mr. [Evan Fei](#), CTO, **Contemporary Ampere Electric Vessel Technology Limited** (CAEV, wholly-owned subsidiary of CATL), Shoreside and battery swap

11:35 – 11:50 Panel discussion with presenters

11:50 – 12:00 Audience Q&A

Infrastructure brainstorming

12:00 – 12:45 Brainstorming

12:45 – 13:00 Brainstorming outcomes and discussion

Buffet Lunch / Networking

UNLOCKING
ABSOLUTE ZERO
EMISSIONS
SHIPPING

Gold Sponsor





WAH KWONG

Session Three

SAFETY AND REGULATION

14:00 IMO CCC - Hydrogen Fuel Guidelines, Ms. [Madadh MacLaine](#), Secretary General
ZESTAs

14:07 System approach to safety assurance, Mr. [Rob Egan - ARC](#)

14:14 Battery safety, Mr. [Mike Watt](#), Director - **Innovation Centre of Alternatives and Renewable Energy** (iCARE),

14:21 IMO MEPC81 Update, Mr. [John Bradshaw](#), Technical Director for Environment and Safety, **World Shipping Council**

14:30-14:35 Q&A

Session Four

SHIP SYSTEMS SOLUTIONS AND VESSEL PROJECTS - MAKING IT HAPPEN ON THE WATER.

Moderated by Mr. [Ashish Anilan](#), Asst. Director | Sustainability Lead, **BureauVeritas**

14:35 Chairs introduction

14:40 - 15:20 Fuel Reduction

14:40 - 14:50 Ms. [Naomi Vernimmen](#), Sales Engineer, **Econowind** – Suction sails

14:50 - 15:00 Mr. [Kenneth Lee](#), Co-Founder, **Dealfeng** – Rotor sails

15:00 - 15:10 Mr. [Marcel Botha](#) – **Sonihull Ultrasonic Anti-fouling** - Improving Vessel Efficiency and CII Rating.

15:10 - 15:20 Mr. [Evangelos Moschos](#), Co-Founder & CTO, **Amphitrite** – Harnessing Ocean & Tidal Currents to aid Shipping Decarbonization : a case study in Singapore and beyond

15:20 Electric & Hydrogen Vessels

15:20 15:35 PEM HFC/Battery solution, Mr. [Chil-han Lee](#), CEO, **Vinssen**,

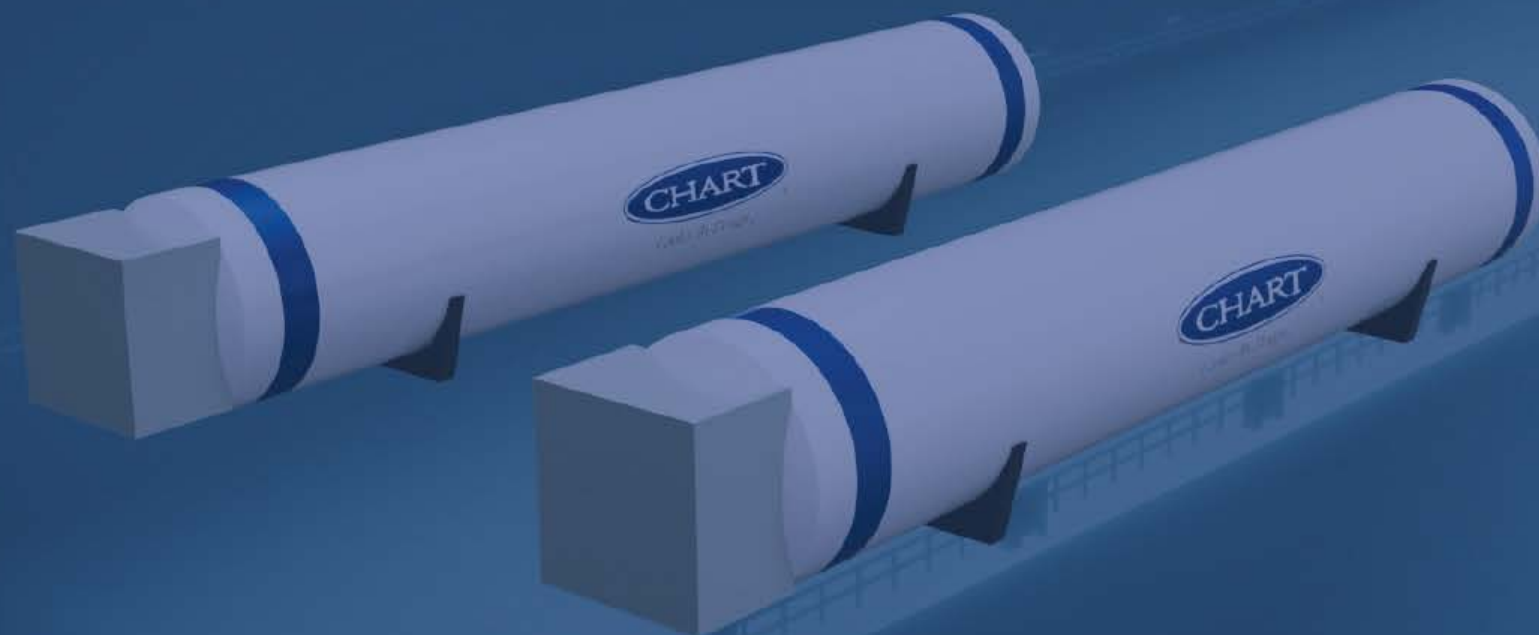
15:35 15:50 Hydra, Mr. [Vincent Ruddle](#), Managing Director, **LMG Marin France**, LH2 systems,

15:50 - 16:10 Panel discussion with presenters

16:10 - 16:25 Audience Q&A

Networking break with refreshments

Solutions for the Transition to Zero Emissions Shipping



www.chartindustries.com/marine

Session Five

ECONOMIC/BUSINESS COLLABORATION MODELS

16:45 - 17:30 Roundtable - Economic/Business Collaboration Models moderated by Mr. [Craig Eason](#), Technology Editor & Podcast Developer, **TradeWinds**

- Mr. [Michael Parker](#), Chairman, Global Shipping and Offshore, **Citi Bank**, Co-Founder, **Poseidon Principles**,
- Mr. [William Fairclough](#), Managing Director at **Wah Kwong Maritime Transport Holdings**
- Mr. [Benjamin Lachaptois](#), **BV Solutions**. Financial/technical due diligence
- Mr. [Rajbir Talwar](#), CIO, **FPG AIM**. CapitalComplex project Finance

Collaboration brainstorming

17:30 - 18:00 Brainstorming

18:00 - 18:20 Outcomes and discussion.

18:20 - 18:30 Chairs conclusions and next steps

Silver Sponsor



Cooler By Design.®

Bronze Sponsors

ECONOWIND



DEALFENG

Delegate list

First name	Last name	Company	Title
Rob	Egan	Assurance Reliability Compliance Pty Ltd	Director
Evangelos	Moschos	Amphitrite	Co-Founder & CTO
Madadh	MacLaine	ZESTAs	Secretary General ZESTAs
Li	Zhi	Dealfeng	CEO & founder
Naomi	Vernimmen	Econowind	Sales engineer
Hing	Chao	Wah Kwong Maritime Transport Holdings	Executive Chairman
Erik	Langeteig	Chart Industries Inc.	Vice President - Global Specialty Markets
Craig	Eason	TradeWinds	Technology Editor & Podcast Developer
Chilhan	Lee	VINSSEN	CEO
Evan	Fei	Contemporary Amperex Electric Vessel Technology Limited	CTO
Vincent	Ruddle	LMG Marin France	Managing Director
Ashish	Anilan	Bureau Veritas	Assistant Director, Sustainability Lead
John	Bradshaw	World Shipping Council	Technical Director, Safety & Environment
Haseena	Bheekhun	Unitrove	Chief Operating Officer
Hock	Nguan Goh	PSA Corporation	Assistant Vice President
Benjamin	Lechaptois	Bureau Veritas	Sustainability Strategy Leader chez Bureau Veritas Marine & Offshore
Mike	Watt	Bureau Veritas	Director – Innovation Centre of Alternatives & Renewable Energy (iCARE) / Future Shipping Team South Asia & Pacific
Marcel	Botha	SoniHull	Chief Revenue Officer
Mohamed	Rashed	Razor Blunt Labs Pte Ltd	Founder and lead advisor at Razor Blunt Labs.
Yujin	Chia	Pacific International Lines (PIL)	Head, Sustainability, Decarbonisation and Fuels - Pacific International Lines (PTE) Ltd
Jogchum	Bruinsma	ZESTAs	Chair
rajbir	Talwar	FPG AIM Capital	CIO
Gordana	Ilic	Bettersea	Founder
Samuel	Dallimore	LUX Industries	CEO
Syb	ten Cate Hoedemaker	Maritime Battery Forum	Managing Director
Stephen	Metruck	Port of Seattle	Executive Director
Stephen	Wesley	Port of Seattle	International Protocol Specialist
AFZAL	MACHINGAL	AET Tankers	Head Shipyard Management & Technology
Shaowei	Gan	Overseas Technology Center	Technical Manager
Albert	Lim	Hung Ze Shipping Pte Ltd	Technical Director
Alfredo	Bonaccorso	ZEM Fuel Systems Ltd	Senior Technology and Commercialisation officer
Alex	Barter	B4T	Managing Director
Young	Chen	MAXWELL SHIP MANAGEMENT PTE LTD	Superintendent - Technical
Rachel	Zhou	SYNCTECH SCOTIA SG	Founder
Bill	Ireland	Logan Energy Limited	CEO
Elaine	Shi	intern	bureauveritas
ZIKE	XU	Shandong Port Group (Southeast Asia) Pte.Ltd.	Manager of Financial Department
Fang	Jinlong	Hefei Purui new energy service Co., LTD	CEO
Rene	Guerra	MPC Marine & Port Consultancy	Operational Director
William	Fairclough	Wah Kwong Maritime Transport Holdings	Managing Director
Abbie	Hui	Wah Kwong Maritime Transport Holdings	Corporate Communications Manager
Jean-Phillipe	Arseneau	ZESTAs	Strategic Advisor to the Secretary General
Meng Wai	Mun	Sydhrogen Energy Pte. Ltd.	Deputy Director
Manish	Singal	Shell Eastern Trading Ltd	Shipping and Maritime Technology Manager, APME
Feng	Sun	China Classification Society	President
MiaoMiao	Wen	China Classification Society	Deputy Manager
Zili	Chen	China Classification Society	General Manager
Jacob	Genauer	Longitude Engineering Pte Ltd	Managing Director
Abhinav	Sahai	Amphitrite	Co-Founder & CTO
Rens	Groot	Seacabbie Pte Ltd	Director
Lawrence	Oh	MODU Resources	Principal Surveyor
Simon	Schofield	CTO	BAR Technologies

First name	Last name	Company	Title
John	Cooper	CEO	BAR Technologies
Kevin	Ng	Commercial Attache	Québec Government Office in Singapore
Jonathan	Shim	Assurance Reliability Compliance Pty Ltd	Regional Manager
Yi Han	Ng	MPA	Director
Jiaki	Fan	Contemporary Amperex Electric Vessel Technology Co., Ltd.	Director of Industrial Finance
Ritishka	Grover	High Commission of Canada	Regional Trade Commissioner, CleanTech (APAC)
Eswaren	Ravi Shankar	Air Liquide Singapore Pte Ltd	Business Development Manager
George	Philip	Penguin	General Manager Group Commercial and Fleet at Penguin International Limited
Eswaran	Rajandran	Sea Forrest Technologies Pte Ltd	PLC Programmer
Martin	Mehilane	ShoreLink	Manager
Paul	Mackay	AN NUR Integrated Survey (M) Sdn Bhd	Director
Xin	Wang	Singapore Institute of Technology	Associate Professor
Nawaz	Haq	ZESTAs	Advisor to the Secretary General
Jing	Wang	MESD NTU	Research Associate
Raffaele	Frontera	Aurelia Design BV	Director
Elena	Prato	Aurelia Design BV	Director
smond	K Leong	Aurelia Design BV	Director
Jan	Holm	Seatrium	Non-executive director
Matthieu	de Tugny	Bureau Veritas Marine & Offshore	Executive Vice President
Nick	Brown	Bureau Veritas Marine & Offshore	Brand & Communications Director, Bureau Veritas Marine & Offshore
Hai	Gu	ABS	VP