# TUGTECHNOLOGY '23 Platinum sponsor CATERPILLAR' Conference I

# Conference | Exhibition | Awards

# The industry's premier technical gathering

22-23 May 2023 • Rotterdam

Dear Navigator Shipping Consultants member,

We are delighted to welcome Navigator Shipping Consultants as a supporting organisation of the upcoming TUGTECHNOLOGY '23, taking place in Rotterdam.



TUGTECHNOLOGY is unquestionably the tug community's leading conference, firmly established as the must-attend event in the collective diary.

**The 10<sup>th</sup> TUGTECHNOLOGY** opens with a drinks reception at Kooren Terminal, sponsored by <u>Sanmar Shipyards</u>. Join hundreds from the global tug owning and operating community, the international supply chain and the sector's industry associations and regulators for two days of networking, intelligence gathering and deal-making in a warm, welcoming and professional setting.

# Papers and programme announced

Our papers and the technologies discussed will be rooted in the industry's commercial, operational, regulatory, technical and ESG context. Supply chain considerations and economics will be very much in focus across the <u>two day programme</u>.

Delivering vital insights and clarity on the technological changes and options available to industry as 2030 comes rapidly into the view. Emissions challenges; fuel options, fuel cell technology, hybrid approaches; batteries and autonomous vessels will be addressed and the latest innovation and design showcased.

# **Review Papers & Programme**

## **SESSIONS:**

Tug owners roundtable

The decarbonisation challenge - a routemap towards reducing emissions

The cost of new tug technology - bringing innovative solutions within reach

Safety: A regulatory and practical perspective

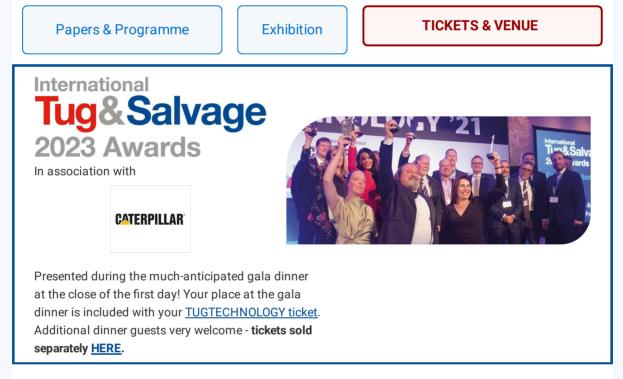
Port and harbour roundtable - the view from the quayside

Autonomous tugs - overcoming scepticism and understanding advantages

Evolution not revolution - new and recently introduced designs, propulsion and deck equipment

Getting ready for decarbonisation - training and skills requirements in the tug industry

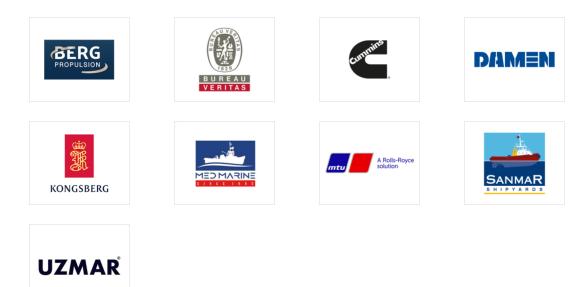




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