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[www.Yachttrace.com](http://www.Yachttrace.com)

# White Paper

## Yacht Trace: Advanced Tender Monitoring Solutions for the Superyacht Industry

### Introduction

Yacht Trace is a new and innovative technology company established to provide unique solutions tailored to the superyacht sector. As a micro-company of two founders, Yacht Trace is committed to developing systems that enhance safety, improve operational efficiency, and support sustainable practices.

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### Core Offering: Tender Monitoring System

The flagship product is an **insurance-approved Tender Monitoring System** designed to deliver continuous, real-time oversight of tender condition and performance. To include anti-theft.

Key monitored indicators include:

- **Bilge water levels**
- **Battery**
- **Orientation (pitch, roll)**
- **Distance between the tender and the mothership -even when moving**

Data is transmitted to the bridge of the mothership, where alerts can be configured for proactive risk prevention. This enables rapid crew response and reduces the likelihood of costly loss or damage.

A proprietary **two-way communication link** is central to the system, enabling tenders to be managed directly from the mothership without additional setup or intervention on the tender. This ensures safer, faster, and more efficient towing operations. Crew do not have to step onto the tender to set up.

Bespoke add-ons are available for monitoring additional systems, such as prop shafts, and **battery charging sensors** are in development.

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### Differentiation & Technical Advantages

A defining strength of the system lies in its use of **unique wireless sensors**:



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- **Non-invasive installation** – no splicing into existing wiring, preserving system warranties.
- **Portable and transferable** – housed in rugged Peli cases, the system can be hidden for anti-theft purposes or relocated to a new tender or yacht with ease.
- **Sustainable design** – produced in small batches to minimise waste and environmental impact. And as above, reusable to take to new tenders or yachts.
- **No reliance on AIS** – the system uses **RF as primary communication** with **Iridium backup** for reliability if the tender is every completely lost.
- **Fast self-install** – designed for ease of deployment without permanent console cut-ins. Also easy to use as its preconfigured.
- **Works anywhere, in remote areas.**

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## Advanced Tow Protection

The system delivers an “**Advanced Tow Protection**” capability that is highly valued by insurers. With continuous, real-time supervision of tenders, towing operations can be safely conducted:

- **At night**
- **Away from shore (reliable RF link)**
- **Over extended distances**

This substantially reduces risk for owners and insurers while enhancing operational flexibility for crews. Insurers will give greater flexibility and lower deductables.

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## Commitment to Innovation & Sustainability

Yacht Trace is actively advancing sustainable energy technologies for the superyacht industry. The **Battery Monitoring System** is currently undergoing sea trials, scheduled for early 2026 deployment.

In 2025, Yacht Trace presented at the **Superyacht Technology Show** on the topic: “**Sustainable Energy Innovations for the Superyacht Industry: Storage, Recovery, and Emission Reductions.**”

This demonstrates an ongoing commitment to developing forward-looking, environmentally responsible solutions for superyachts and their tenders.

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## Expertise & Leadership



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**Dr. Dan Rogers**, co-founder of Yacht Trace, brings extensive experience in system integration between superyachts and their tenders. His wider innovations span:

- **Unmanned Ground Vehicles (UGVs)**
- **Smart appliances for hospitality**
- **Intelligent Traffic Management Systems**
- **MW-scale Lithium-Ion energy storage solutions for grid applications**, where he co-founded a research centre

This diverse technical background informs Yacht Trace's ability to develop practical yet cutting-edge solutions for the superyacht industry.

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## Conclusion

Yacht Trace represents a **new generation of monitoring and safety technology** for superyachts, combining innovation with practicality, and sustainability with operational efficiency.