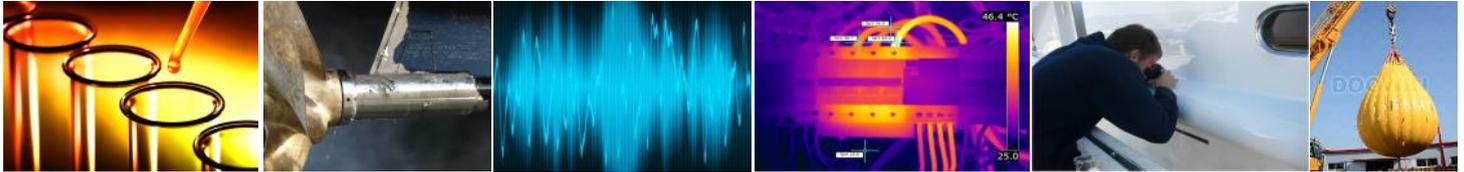


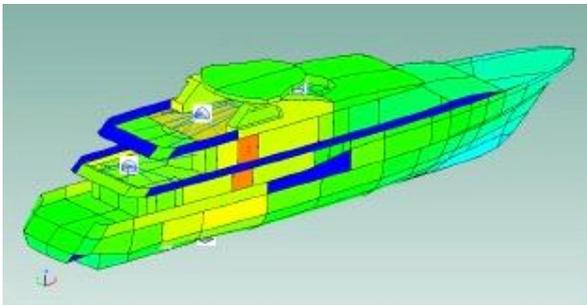


Technical Consultancy and Marine Survey Services to the yachting industry



WISTREAM provides specialist technical consultancy services and marine surveys to the superyacht market.

Our approach combines first class multidisciplinary expertise, early response capability and proven reliability to deliver a distinctive bespoke service with high technical content.



Annual survey and reports

WISTREAM helps to prepare Flag or class society survey inspections of vessels of all types including pleasure craft, passenger vessels, as well as superyacht.

Pre-purchase expertise

Commissioned by a prospective owner, the survey contains a thorough examination and inspection of all of the systems, structures, machinery, and electronics, as well as the boat's cosmetic condition. Pre-purchase surveys often include out-of-water inspections and sea-trials. The surveyor works for the prospective buyer, and the survey report becomes the property of the purchaser.

An appraisal survey, usually commissioned for legal, financing, or donation reasons, is slightly more extensive and determines only the fair-market value of a boat

An insurance survey is more thorough and focuses primarily on systems and structural integrity to determine the insurability of a vessel.



Damage Survey and Casualty Investigations

These are various kinds of surveys and very often

Wistream provide technical expertise's as:

- ▶ **Fuel, oil and coolant analysis.** Oil and Coolant Analysis should be part of any preventive maintenance program on cruising yachts .
- ▶ **Corrosion phenomena expertise and cathodic protection control.** We conduct marine corrosion inspections to determine the status of vessel galvanic isolation & surface finishes, sacrificial anode protection, bonding systems the presence of fault current.
- ▶ **Vibration and noise analysis.** Our team is truly the best in the business when it comes to analyzing vibrations. *During our sea trial on the Hanse 630 I was using a Belmar vibration testing meter to determine the level of vibration in the engine room. The testing meter can define the amount and predominant frequency of the vibration. When the vibration is higher than expected, we use the information from the meter to determine the likely source of the vibration energy. This meter is usually used in combination with a computerized vibration data collector to establish a more refined record of the vibration....*
- ▶ **Yacht's electrical charge test.** Insulation resistance is one of the important readings of marine electrical equipment systems and serves as the best guide to indicate the health of the equipment. Insulation resistance is measured between the insulated conductors and earth and between conductors.
- ▶ **Coating inspection.** From surface preparation to the finish coat, our Technical Service Representatives are on hand to provide sound technical advice to make sure the products are applied to the highest quality standards and correct specification to ensure optimum performance of your vessel in service.
- ▶ **Lifting gear testing.** We help ship operators understand the importance of good maintenance, what happens during the examination of lifting appliances and what is required of them before an examination takes place. We provide water bags, live weights, test rigs and fully calibrated load measuring devices.

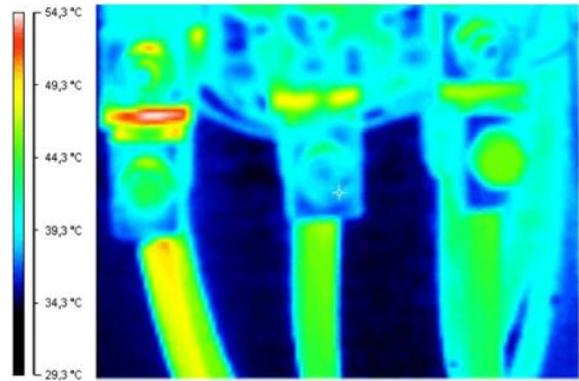
▶ infrared thermography inspection of electrical circuits

Damage Survey and Casualty Investigations

These are various kinds of surveys and very often for insurance purposes. It is limited to the inspection and assessment of damaged areas of the yacht, specific failures or specific instructions covering areas of concern, such as yard repairs or installation of equipment. The report can include assessment of liability, cause & effect and recommendations for repair or further investigation.



► infrared thermography inspection of electrical circuit



Mechanical machinery on-board yachts will also benefit from thermal imaging, especially as a pre-docking strategy to identify and target equipment and systems which need attention as well as to eliminate necessary work.



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