



LOREKA360° OptiHull

Hull Efficiency.
Data Driven.
Expert Led.



Unlock fuel efficiency with operational insight

LOREKA360° OptiHull is a next-generation hull performance and vessel operation assessment service.

Using a combination of fuel consumption data and AIS + weather data, OptiHull delivers a detailed, voyage-by-voyage performance evaluation—enhancing decision-making, reducing fuel consumption, and boosting sustainability across your entire fleet.

What makes OptiHull unique?

Per-voyage hull assessment

OptiHull analyzes each voyage by correcting for hull, draft, sea currents, and weather. OptiHull filters out operational noise like speed variations or drifting to reveal true hull performance.

Actionable expert recommendations

Every report is reviewed by our team of experienced marine engineers and seafarers who provide fuel table updates and cleaning schedule suggestions.

Performance insight

Combines speed-through-water, fuel oil consumption, and environmental conditions to visualize fouling impact and efficiency loss over time.



Core features

- **Hull condition monitoring** - Continuous tracking of hull efficiency for improved propulsion and reduced drag.
- **Cleaning plan optimization** - Data-driven guidance on hull cleaning plans based on cost, vessel speed, fuel efficiency, and fouling indicators.
- **Speed vs. consumption analysis** - Benchmark actual performance against technical and charter party references to identify overconsumption or contract risk.
- **Operational heatmaps & resistance charts** - Pinpoint performance-impacting events with time series and heatmap visualizations of vessel behavior.
- **Fleet-wide benchmarking** - Compare hull efficiency at vessel, fleet, and company level, allowing targeted maintenance and investment decisions.





Saving fuel and cutting emissions

- Up to 3% fuel savings
- Lower CO₂ emissions and improved regulatory compliance
- Minimized performance disputes with charterers
- Enhanced thrust transfer and propulsion efficiency

Key deliverables

- Executive summary & weather impact review
- Proposed fuel consumption tables
- Voyage-level speed & resistance charts
- Hull fouling & ageing Indicators
- Expert-led hull condition assessment advice

Fuel efficiency, data insight, and fleet performance.

LOREKA360° OptiHull delivers measurable fuel savings, minimizes operational costs, and protects your bottom line—making it the best ship management solution for competitive, compliant, and sustainable fleet operations.



Learn more: accelleron.com/opti-hull

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