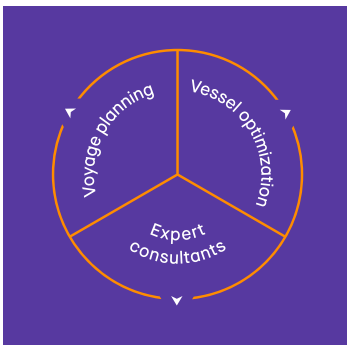


# LOREKA360° Tekomar XPERT Engine



## Fuel Efficiency. Data Driven. Expert Led.

The Tekomar XPERT Engine module is part of Accelleron's cutting-edge LOREKA360° digital solution package designed specifically for the marine industry. Built on global expertise and proven technology, this module empowers ship operators and fleet managers with the insights they need to optimize engine performance, reduce fuel consumption, and improve environmental compliance—no matter the engine type, make, or age.

Backed by real-world experience from more than **12,000 engines across over 3,000 vessels** and trusted by **130 marine customers worldwide**, Tekomar XPERT Engine is more than just a monitoring tool—it's a strategic operations asset. It transforms raw engine data into actionable insights that support decisions, long-term planning, compliance with environmental regulations and CII requirements.

## Real-time engine diagnostics

Immediate access to engine health and performance indicators, enabling operators to take corrective action proactively rather than reactively.



### Actionable Emission Optimization

Get clear, data-backed advice on how to keep engine performance up for maximum fuel savings and lower CO<sub>2</sub> emissions.



### Complete Transparency and Oversight

Visualize performance data not just for a single vessel, but across your entire fleet. Fleet managers and technical staff can assess current efficiency and see precisely where improvements can be made.



### Multi-Platform Access

View insights anywhere, any-time – from bridge to shore – via a modern, user-friendly interface optimized for all desktop devices.

## Key features

- **Fleet-wide Benchmarking**  
Monitor and compare engine performance across vessels. Benchmark operational health and savings potential on a per engine, vessel, fleet, or company level.
- **Holistic Performance View**  
Gain a comprehensive overview of your fleet's engine performance—independent of engine make, model, or age.
- **Data-Driven Analysis with Thermodynamic Modeling**  
Compare actual operating data against testbed conditions with ISO correction, ensuring performance evaluations are accurate and relevant.
- **KPI-Based Filtering and Reporting**  
Filter by key performance indicators to visualize both realized and potential optimization opportunities. Make informed decisions faster.
- **Sustainability Through Efficiency**  
Lower carbon emissions and reduced operational costs. Smart performance monitoring using data uploaded from onboard sensors to enable engine adjustment.

## Proven impact

With Tekomar XPERT Engine, customers regularly achieve:

- Up to 3% reduction in fuel consumption
- Instant and ongoing reduction in fuel consumption
- Notable reductions in CO<sub>2</sub> and other greenhouse gas emissions
- Early detection of developing engine issues, helping prevent expensive downtime

## Who uses the Tekomar XPERT Engine?

- **Over 3,000 vessels** globally
- **More than 12,000 engines optimized**
- **130 shipping companies and operators** use Tekomar XPERT Engine for daily maximized operating performance

