

APERIO™ SmartPropulsion

PROVEN IN PRACTICE

Propulsion optimization proven across 70+ vessel references worldwide

Turn Propulsion Efficiency into Profitability with Emersons' Proven Propulsion Optimization Solution.

Trusted on 70+ vessels worldwide, Aperio™ SmartPropulsion is Emerson's engine-safe, class-certified propulsion optimization solution that improves profitability by turning propulsion efficiency into actionable insight. The system continuously analyzes vessel performance to optimize propulsion, reduce fuel consumption, and support voyage execution, while our cloud fleet management solution delivers fleet-level visibility and performance insights to help operators improve efficiency across the entire fleet.

Proven Across Commercial Marine Fleets

Aperio SmartPropulsion is built on experience from 70+ vessel references across commercial marine fleets, propulsion technologies, engine platforms, and classification societies.

Broad Experience. Low Adoption Risk.

Aperio SmartPropulsion has been successfully deployed across a diverse range of vessel types, propulsion systems, engine platforms, and classification environments.

- Deployed across **70+ vessel references** worldwide
- **62 CPP vessel references** across different vessel types
- **8 FPP vessel references**
- Experience **with both 2-stroke and 4-stroke** engines
- Approved by **major classification societies**
- Average savings of **up to 5% on FPP and up to 15% on CPP vessels**
- **Engine-safe, class-certified** implementation approach

70+

VESSEL REFERENCES WORLDWIDE

Aperio™ SmartPropulsion Improves Profitability

Reduce fuel consumption
Capture efficiency improvements through propulsion optimization.

Improve voyage execution
Support more consistent vessel operation when Aperio SmartPropulsion is engaged.

Scale with confidence
Apply proven experience across diverse fleets and technical environments.

For more information, visit Emerson.com/marine
or contact your Emerson Marine Sales Represetative

EMERSON™

APERIO™ SmartPropulsion

Aperio SmartPropulsion delivers proven fuel savings of up to 5% on FPP vessels and up to 15% on CPP vessels across 70+ vessels worldwide. Explore our broad applicability across marine operations and engine platforms.

Vessel references

	Oil & chemical tankers	**29**
	General cargo vessels	**26**
	Container vessels	**11**
	Bulk carriers	**3**
	Ro-Ro vessels	**1**
	Other commercial vessels	**1**

Engine platforms

Everllence	**28**
MaK	**23**
Wärtsilä	**7**
Bergen Engines	**6**
Mitsubishi	**1**
Other platforms	**5**

Class Certifications

Aperio SmartPropulsion is class-certified by DNV and Lloyd's Register and has been deployed in collaboration with leading classification societies, including Bureau Veritas (BV), ABS, and RINA, demonstrating broad applicability across diverse fleets and class requirements.

DNV

Lloyd's Register

Proven Case: Northern European Chemical Tanker Fleet

Seeking to improve fuel efficiency across a multi-vessel fleet, a Northern European chemical tanker operator deployed Aperio SmartPropulsion across 11 vessels to support a more consistent approach to propulsion optimization. The result was improved operational consistency and an average 12% reduction in fuel consumption, helping the operator improve profitability while maintaining focus on safe and efficient vessel operations.

Moving Toward Smarter Vessel Operations

Aperio SmartPropulsion helps vessel operators improve efficiency through actionable propulsion insights. Proven across multiple vessel types, propulsion systems, engine platforms, and classification societies, it supports smarter, more efficient operations. Explore propulsion optimization for your fleet with Emerson.

For more information, visit
Emerson.com/marine

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