



Greener Shipping Summit 2025

Real-Time Performance Compliance Monitoring Solutions



Antonis Tsouras
Bernhard Schulte Shipmanagement (HELLAS)

SCHULTE GROUP

Ship Owning



75+

Owned
Vessels

Ship Management



BSM CRUISE
SERVICES



670+

Managed
Vessels

Maritime Services

Digital Solutions



4,500+

Vessels with
MariApps
Software

Other Maritime Services

SMC SCHULTE
MARINE CONCEPT

BSM CATERING
SERVICES

Waypoint
PORT SERVICES



15+

Specialised Maritime
Companies

Expanding regulatory and operational demands

Increasing data reporting to owners, charterers, and regulators

Real-time data visibility is becoming a compliance requirement

Fragmented reporting systems cause data inconsistency.

Quality, traceability, and standardization are critical.

How can we ensure consistent, high-quality data across a global fleet?

Ensuring Consistency and Reliability across global fleet operations.

Digital Tools supporting compliance monitoring:

- Electronic Record books (eRBooks) and e-Logs
- Voyage planning tool
- Engine Fault Diagnostics tool
- Online defect reporting system
- Business Intelligence (BI) Dashboards

From Fragmented Data to Unified Insight

- Centralized performance dashboard
- Integration of diverse onboard and shore data sources
- Unified visibility driving proactive decisions

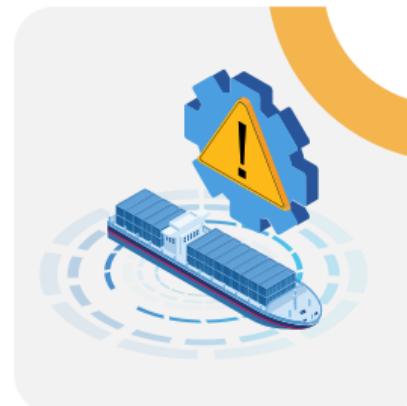
Performance



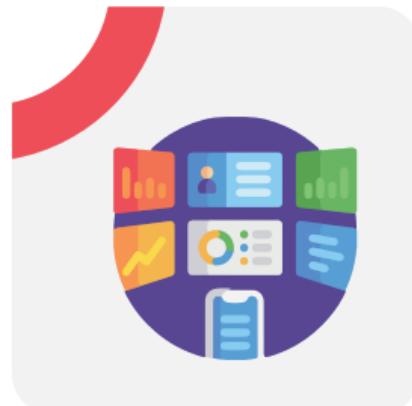
Operations

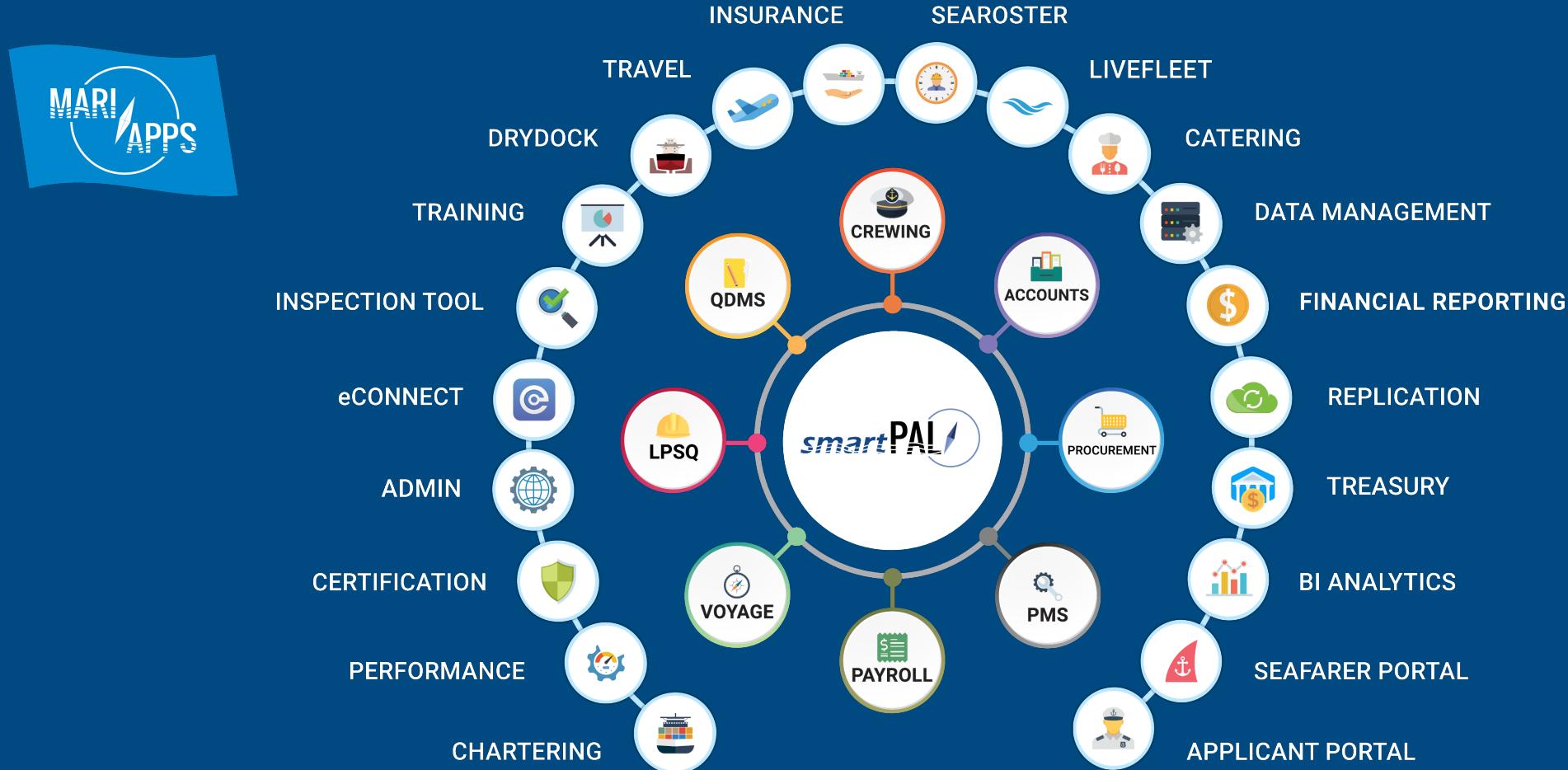


Alerts



Monitoring

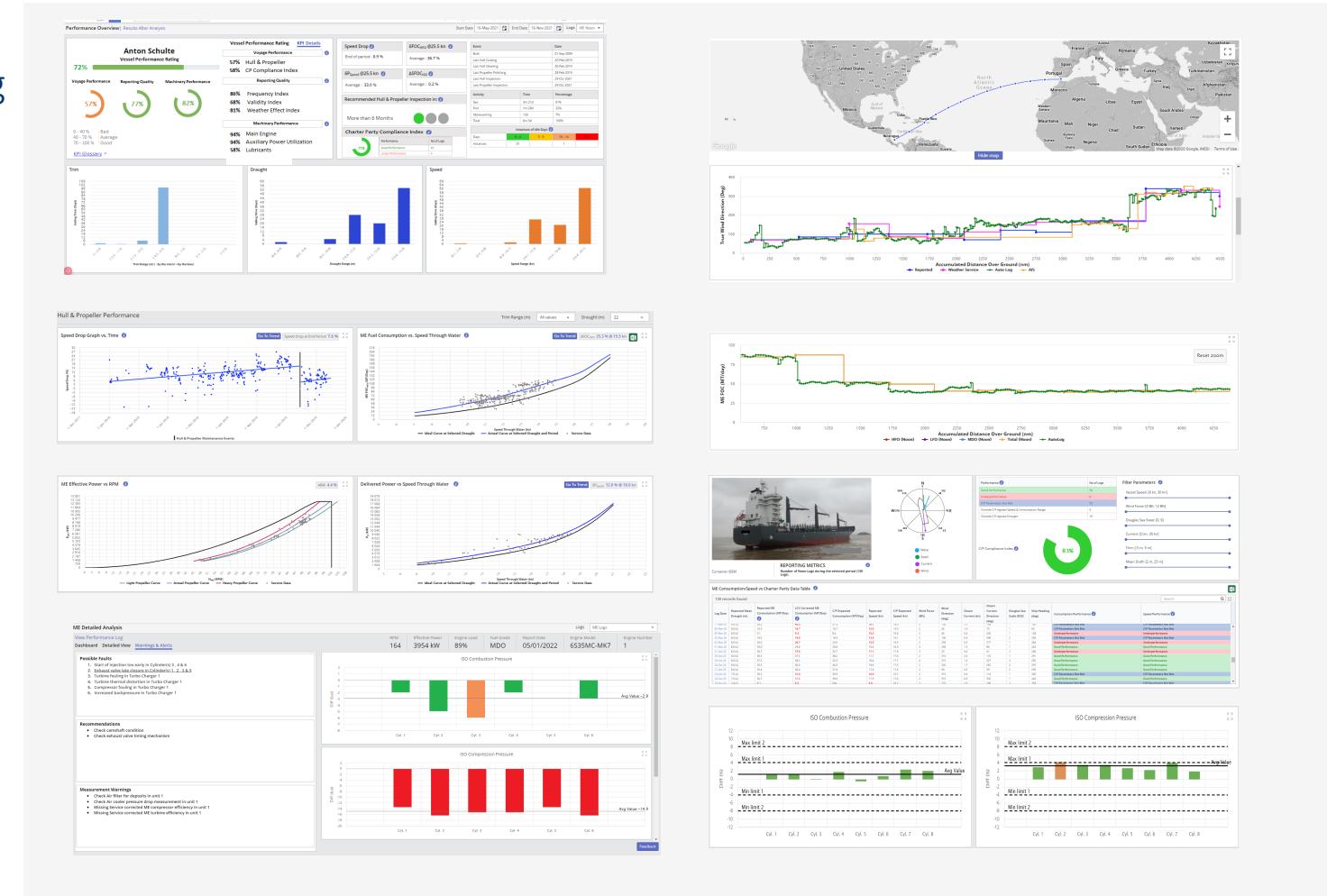




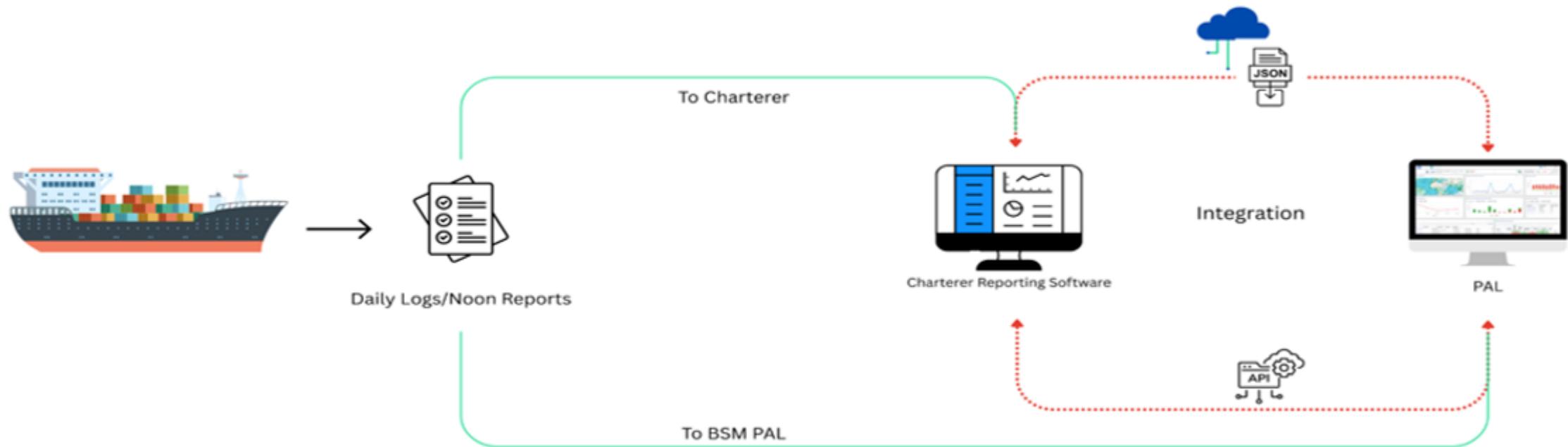
Actionable Insights through Performance dashboards

- Voyage Optimisation & Charterparty Monitoring
- Hull & Propeller Performance
- Main Engine Performance
- Auxiliary Engine and Boilers Utilisation
- Fleet Benchmarking
- CII Overview /EU ETS & FuelEU Dashboard

AI, Machine Learning and IoT technologies are developed for fleet performance monitoring, maintenance, procurement, crewing and data management



Automated Charterers Report



Objective:

Eliminate multiple reporting of noon reports

Solution:

Report data in one platform, automatically fetched to the other.

Integration Method:

Utilization of API for seamless data transfer

From Reactive Reporting to Proactive Maintenance



Building a One-Stop Troubleshooting Resource

Defect Report Across the Vessels

Principal	IMO Number	Vessel Name	Job Order No.	Equipment Code	Equipment Name	Job Title	Issue Date	Job Status	Defect Raised By	Defect Priority
			V-SSA003987/25	651	AUXILIARY ENGINE	Aux engines LO pressure an...	29-Jun-2025	-	Chief Engineer	4-Low

Trend analysis identifies recurring issues and root causes



Prevent reoccurrences
Enables proactive maintenance and continuous improvement



Enhancing operational efficiency and safety



Ensuring regulatory compliance (CII, EU ETS, FuelEU)



Reducing environmental impact

Shaping the Future of Ship Management

Real-time data transforms compliance into a competitive advantage

Integrated solutions can drive safety, efficiency, and sustainability





Thank you!



Antonis Tsouras
Fleet Manager
Bernhard Schulte Shipmanagement (HELLAS)