

# Rayterton Maritime & National Shipping Platform (SOE)

An enterprise grade digital platform designed to govern, operate, and optimize national shipping operations, public service obligations, and maritime assets at scale.

Delivering end to end visibility across fleet operations, crew management, passenger services, PSO governance, and executive decision making in a single unified platform.

**All in one platform.**

## Rayterton Apps Software for Maritime & National Shipping (SOE)

Enterprise Maritime Digital Platform for National Shipping & Public Service Obligations

### Executive Summary

Rayterton Maritime & National Shipping Platform (SOE) is a comprehensive enterprise digital platform purpose built for national shipping operators and state owned enterprises. It consolidates operational, financial, and governance functions across fleet management, crew readiness, passenger transportation, PSO administration, and executive control into one unified environment. By providing end to end visibility and standardized governance, the platform ensures maritime operations are safe, efficient, compliant, and transparently accountable.

Designed for executive and government level decision making, the platform transforms fragmented operational data into actionable national insight. Leaders gain early risk detection, measurable PSO performance, and objective financial intelligence to balance commercial sustainability with public service mandates. With open integration and national scale architecture, Rayterton positions maritime digital operations not merely as an IT system, but as a strategic instrument to support long term maritime resilience, public trust, and national connectivity.

**Rayterton for Maritime & National Shipping (SOE)** is positioned not as a partial operational application, but as a National Maritime Digital Infrastructure that unifies fleet operations, maritime human capital, public service delivery and PSO governance, SOE level governance, and real time executive decision making into a single integrated platform.

**Software Features:****1. Vessel & Fleet Management Suite**

Provides end to end control over national maritime assets, ensuring vessel readiness, regulatory compliance, and cost efficiency at fleet scale.

**2. Crew & Seafarer Management System**

A purpose built maritime workforce system that ensures every voyage is supported by certified, compliant, and optimally deployed seafarers.

**3. Passenger & Ticketing System**

Enables large scale, reliable, and transparent public maritime transportation beyond conventional booking, supporting national passenger mobility.

**4. Public Service Obligation (PSO) Management System**

Delivers full governance over subsidized maritime services with auditable subsidy calculation, contract control, and measurable public impact.

**5. Port, Voyage & Operations Control**

Acts as the real time operational nerve center, providing nationwide visibility into voyages, port activities, disruptions, and operational risks.

**6. Maritime Finance & Commercial Control**

Transforms operational data into maritime business intelligence, revealing true route economics across commercial and PSO operations.

**7. Governance, Risk & Compliance (GRC)**

Establishes an SOE grade governance framework with full auditability, risk control, and compliance readiness for regulators and state auditors.

**8. Executive Maritime Control Tower**

Consolidates national maritime performance into a single calm, board level dashboard for strategic oversight and early risk detection.

**9. Integration & National Digital Ecosystem**

Positions the platform as part of a national maritime digital backbone through secure integration, open APIs, and scalable data architecture.

**10. Enterprise Platform Capabilities**

Ensures long term strategic independence with full customization, high volume readiness, multi directorate support, and flexible deployment without vendor lock in.

## **Vessel & Fleet Management Suite**

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The Vessel and Fleet Management Suite provides a comprehensive, end to end control over national maritime assets. It enables shipping operators and SOEs to manage vessel lifecycle, operational readiness, compliance, and cost efficiency from a single integrated platform.

Through intelligent voyage planning, fuel consumption monitoring, maintenance scheduling, and certification tracking, management gains full visibility into fleet performance and operational risk. This module ensures vessels operate safely, efficiently, and in full alignment with international maritime standards while maintaining optimal utilization at national scale.

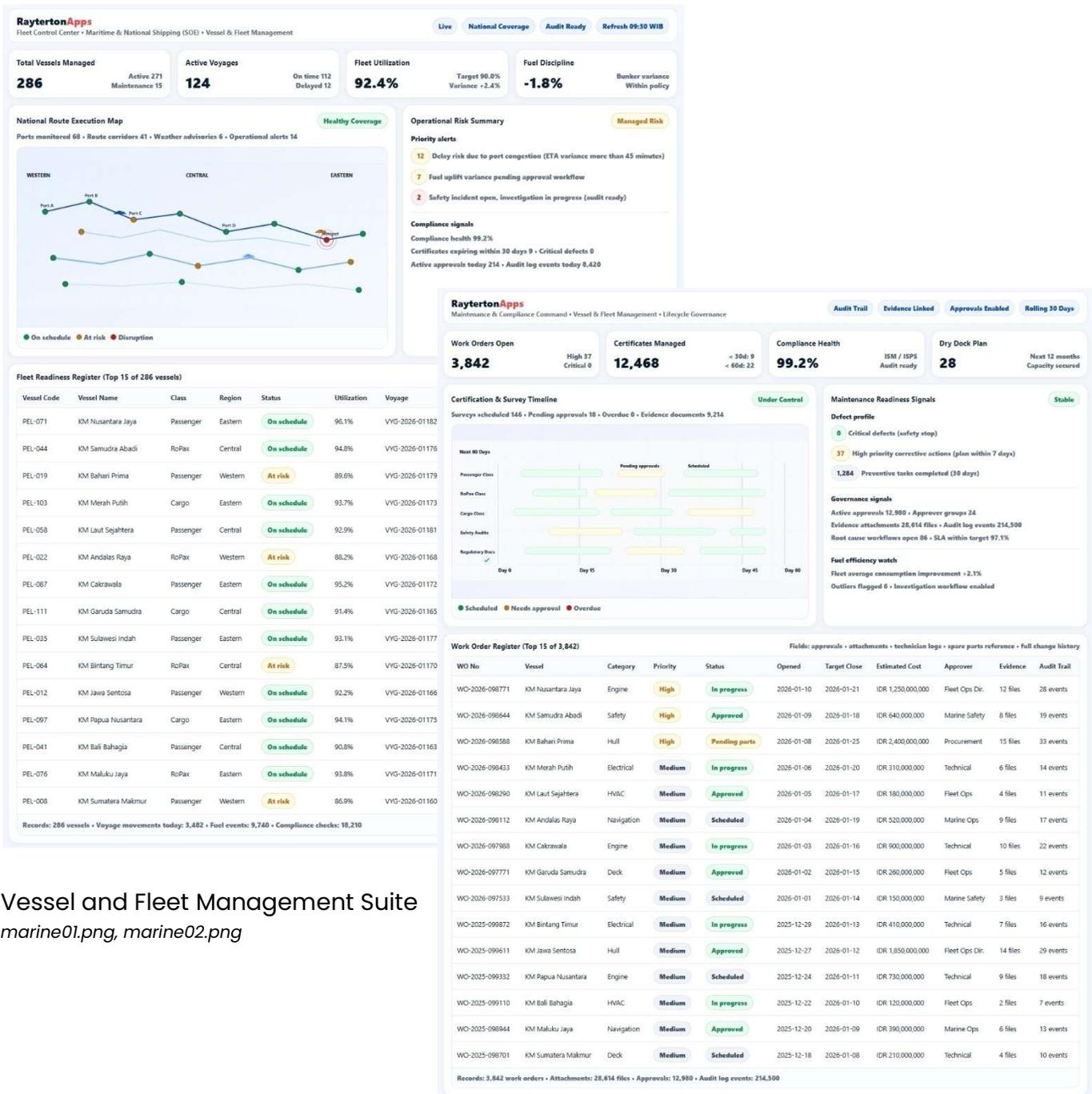
Vessel & Fleet Management Suite is the foundational pillar of a national maritime operating system.

### **Core Modules:**

- Fleet Master Data and Vessel Registry
- Voyage Planning and Scheduling
- Fuel Consumption and Bunker Management
- Vessel Maintenance and Dry Dock Planning
- Safety, ISM, ISPS, and Compliance Management
- Class Certification and Survey Tracking
- Incident and Marine Accident Reporting

### **Strength Points:**

Demonstrates national scale fleet management, alignment with international maritime compliance standards, and disciplined operational cost control at the vessel level.



Vessel and Fleet Management Suite  
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## Crew & Seafarer Management System

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The Crew and Seafarer Management System is designed specifically for the complexity of maritime human capital. It goes far beyond traditional HR systems by addressing certification, rotation, contract structure, training, and regulatory compliance unique to seafarers.

By centralizing crew readiness, wage structure, certification validity, and performance indicators, management ensures that every voyage is supported by compliant, qualified, and optimally deployed crew. This system strengthens operational continuity, reduces compliance risk, and enhances workforce governance across the entire fleet.

Crew & Seafarer Management System is not a generic HR system, but a purpose built maritime workforce management platform.

### **Core Modules:**

- Seafarer Master Data and Certification Management
- Crew Assignment and Rotation Planning
- Contract, Rank, and Wage Structure Management
- Training, STCW Compliance, and Medical Tracking
- Crew Payroll Integration
- Crew Performance and Compliance Scoring

### **Strength Points:**

Addresses the full complexity of maritime human capital and seafarer regulations, an area where most global software platforms lack depth. This module demonstrates strong local regulatory alignment and superior compliance handling for Indonesian seafarers, ensuring workforce readiness, operational continuity, and audit readiness at national scale.

The screenshot displays the RaytertonApps interface for Crew & Seafarer Management. It features several key components:

- Summary Dashboard:** Shows total seafarers (4,218), assigned to voyages (2,847), certification validity (99.1%), and rotation compliance (97.8%).
- Crew Deployment Register (Top 20 of 4,218):** A table listing crew members with columns for Crew ID, Name, Rank, Vessel, Voyage, Status, Readiness, Cert Status, Rotation, and Performance.
- Crew Compliance & Payroll Register (Top 20 of 4,218):** A table listing crew members with columns for Crew, Rank, Cert Status, Medical, Contract, Rotation, Monthly Wage, Payroll Status, Approvals, and Audit Trail.
- Compliance & Audit Summary:** Shows 18,742 certificates managed, 3,964 active contracts, 100% payroll execution, and Full audit readiness.

Crew and Seafarer Management System  
*marine03.png, marine04.png*

## Passenger & Ticketing System

The Passenger and Ticketing System supports large scale public maritime transportation with reliability and transparency. It manages routes, schedules, ticket sales, capacity allocation, and passenger manifests across both commercial and public service routes.

Designed for high volume transactions and national coverage, this module provides real time insight into load factors, passenger flow, and service quality. It enables shipping operators to deliver consistent, safe, and accountable public transportation while maintaining operational efficiency.

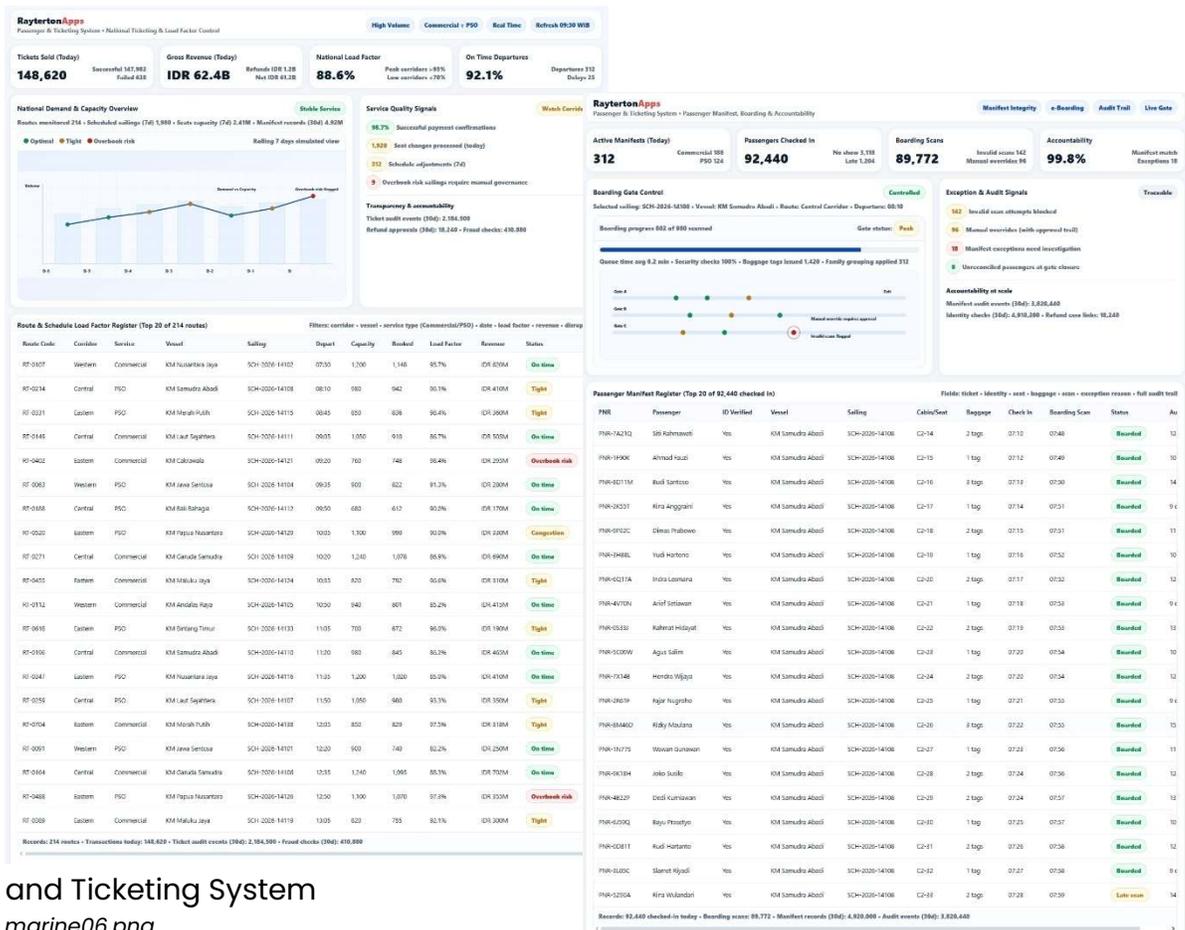
Passenger & Ticketing System has been designed to support large scale passenger and pioneer vessel operations.

**Core Modules:**

- Route and Schedule Publishing
- Online and Counter Ticketing
- Seat, Cabin, and Capacity Management
- Passenger Manifest and Boarding Control
- Integration with Port and Terminal Systems
- Passenger Analytics and Load Factor Management

**Strength Points:**

Demonstrates capability to manage mass public transportation at national scale, extending far beyond a conventional booking system into a fully governed, integrated, and analytics driven passenger service platform.



Passenger and Ticketing System  
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## Public Service Obligation (PSO) Management System

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The PSO Management System is a strategic core module designed specifically for government mandated maritime services. It enables full governance over subsidized routes, vessels, cost structures, and performance obligations.

This module ensures transparent calculation of subsidies, structured contract management, auditable claims, and measurable service impact. It provides a single source of truth for SOEs, ministries, and auditors, ensuring that public funds are managed with accountability, accuracy, and measurable national benefit.

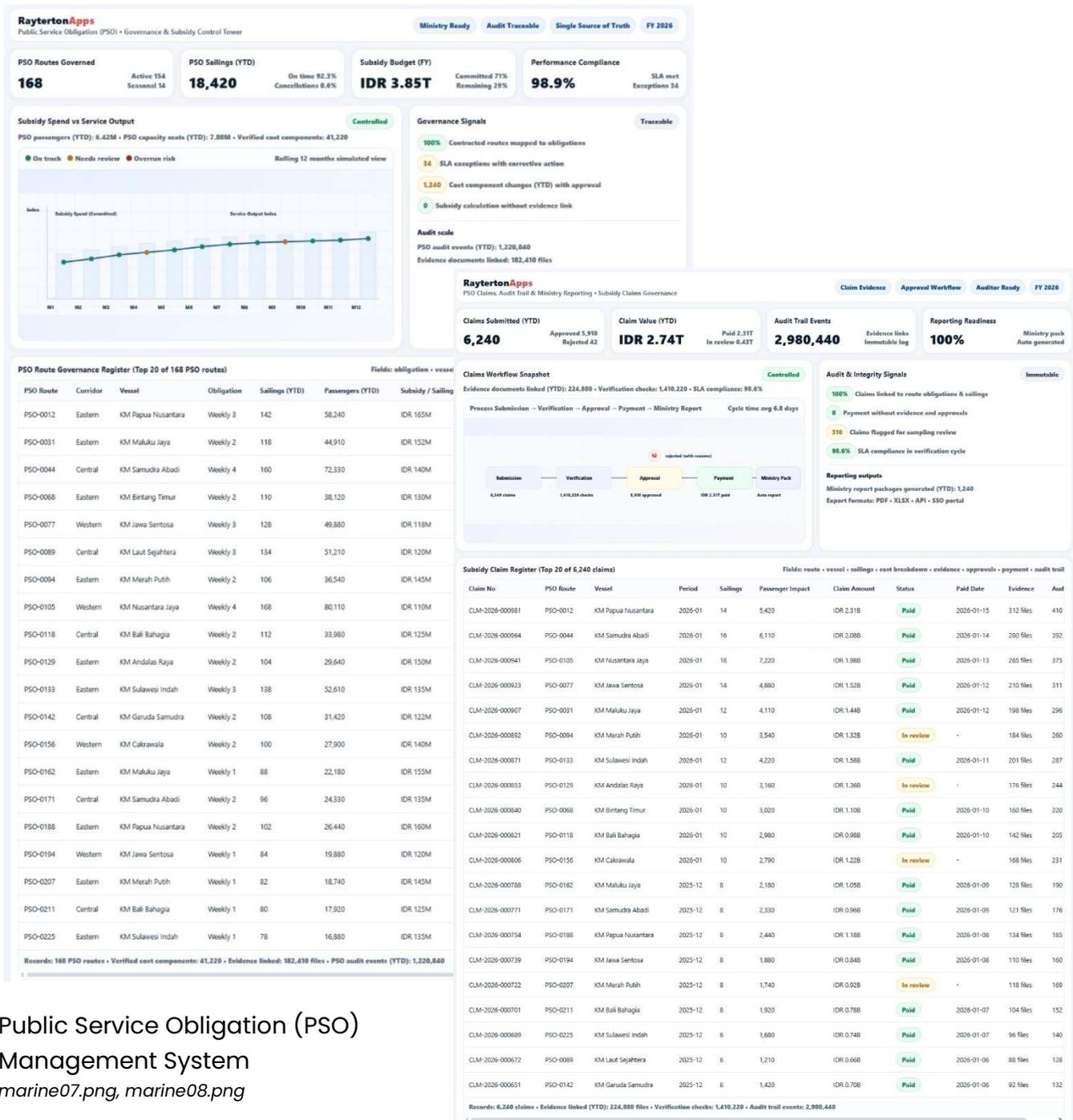
Public Service Obligation (PSO) Management System defining differentiator against global maritime software platforms.

### Core Modules:

- PSO Route and Vessel Mapping
- PSO Cost Structure and Subsidy Calculation
- Government Contract and SLA Management
- Claim Submission, Verification, and Audit Support
- PSO Performance and Impact Dashboard
- Integration with RKAP and Budget Control

### Strength Points:

No global maritime software platform is purpose built to manage Indonesia's PSO framework. This module is designed to directly address government oversight, ministry level reporting, and state audit requirements, providing transparent, auditable, and defensible PSO governance aligned with national policy and public accountability.



Public Service Obligation (PSO)  
Management System  
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## Port, Voyage & Operations Control

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The Port, Voyage, and Operations Control module acts as the operational nerve center for maritime activities. It provides real time visibility into departures, arrivals, port calls, delays, disruptions, and operational exceptions.

By combining operational data with weather intelligence and route risk indicators, management gains proactive control over daily maritime operations. This enables faster response, reduced disruption impact, and consistent service delivery across a distributed national network.

Port, Voyage, and Operations Control is the operational nerve center of national maritime activities.

### **Core Modules:**

- Port Call Management
- Departure and Arrival Monitoring
- Delay, Disruption, and Exception Handling
- Weather and Route Risk Overlay
- Cargo and Passenger Load Monitoring

### **Strength Points:**

Provides real time, nationwide operational visibility, enabling proactive control over port activities, voyage execution, and operational disruptions across a distributed maritime network.

**Rayterton Apps**  
Port, Voyage & Operations Control • Real Time National Operations Nerve Center

Live Departures/Arrivals | Port Calls | Weather • Risk | Refresh 09:30 WIB

**Active Voyages (Now)**  
**214**

Departures 92  
Arrivals 88

**Port Calls (Today)**  
**468**

On schedule 439  
Delays 38

**Operational Exceptions**  
**71**

Resolved 54  
Open 17

**Network On Time Rate**  
**91.8%**

Major delays >2h: 9  
Disruptions: 3

**National Operations Map (Simulated Live View)** Stable

Ports monitored: 73 • Operational corridors: Western / Central / Eastern • AIS-like pings (24h): 9.8M

● On schedule ● At risk ● Disruption

Route risk overlay • port congestion

Live view: 214 voyages • 468 port calls today  
Overlay: congestion, weather risk, route deviation

**Weather Intelligence & Route Risk** Proactive Control

- 62 routes normal risk
- 9 routes elevated risk (wind/wave)
- 3 disruption risk routes (reroute advised)
- 38 port delay events today (congestion)

**Proactive actions**

Reroute proposals generated (24h): 112  
Operational advisories issued (24h): 284  
ETA recalculations (24h): 410,820

**Port Call & Voyage Exceptions Register (Top 20 of 468 port calls today)** Fields: pr

Event ID	Vessel	Voyage	Port	ETA	ETD	Delay
OP-2411001	KM Nusantara Jaya	VYG-2026-01182	Tanjung Priok	07:10	08:05	+15m
OP-2411002	KM Samudra Abadi	VYG-2026-01176	Makassar	07:35	08:40	+35m
OP-2411003	KM Merah Putih	VYG-2026-01173	Ambon	07:55	09:05	+50m
OP-2411004	KM Laut Sejahtera	VYG-2026-01181	Surabaya	08:05	08:55	+10m
OP-2411005	KM Papua Nusantara	VYG-2026-01175	Sorong	08:15	09:40	+1h 05m
OP-2411006	KM Jawa Sentosa	VYG-2026-01166	Batam	08:20	09:05	+20m
OP-2411007	KM Bali Bahagia	VYG-2026-01163	Denpasar	08:35	09:20	+15m
OP-2411008	KM Cakrawala	VYG-2026-01172	Balikpapan	08:40	10:10	+1h 10m
OP-2411009	KM Garuda Samudra	VYG-2026-01165	Pontianak	08:45	09:35	+25m
OP-2411010	KM Maluku Jaya	VYG-2026-01171	Terate	08:55	10:05	+45m
OP-2411011	KM Bintang Timur	VYG-2026-01170	Kupang	09:05	10:25	+50m
OP-2411012	KM Andalas Raya	VYG-2026-01168	Padang	09:10	09:55	+15m
OP-2411013	KM Sulawesi Indah	VYG-2026-01177	Manado	09:20	10:35	+40m
OP-2411014	KM Nusantara Jaya	VYG-2026-01182	Semarang	09:25	10:10	+20m
OP-2411015	KM Papua Nusantara	VYG-2026-01175	Jayapura	09:35	11:10	+1h 20m
OP-2411016	KM Samudra Abadi	VYG-2026-01176	Bitung	09:45	10:40	+25m
OP-2411017	KM Merah Putih	VYG-2026-01173	Fakfak	09:55	11:25	+1h 00m
OP-2411018	KM Laut Sejahtera	VYG-2026-01181	Barjarmasin	10:05	10:55	+20m
OP-2411019	KM Bali Bahagia	VYG-2026-01163	Lombok	10:10	10:55	+15m
OP-2411020	KM Cakrawala	VYG-2026-01172	Samarinda	10:20	11:35	+55m

Records: 73 ports • 468 port calls today • AIS-like pings (24h): 9.8M • ETA recalculations (24h): 410,820

**Open Disruptions (24h)**  
**3**

Critical 1  
Major 2

**Impacted Voyages**  
**17**

Passengers risk 12,488  
Cargo risk 1,920T

**Operational Advisories**  
**284**

Issued 24h  
Acknowledged 98%

**ETA Recalculations**  
**410,820**

24h volume  
Auto governed

**Incident Timeline (Selected)** Critical

Incident: INC-2026-00041 • Corridor: Eastern • Trigger: Severe sea state • port closure • First detected: 06:40

Response Detect – Assess – Decide – Execute – Verify Cycle time 42 min to action

**Detect: Severe weather risk and port closure signal received**

Source: weather feed • port authority bulletin • Correlation events: 18,420 • Confidence: 99%

**Assess: ETA impact calculated and passenger exposure identified**

Impacted voyages: 6 • Passenger exposure: 4,120 • Critical port calls: 2 • Risk level: High

**Decide: Reroute and slot reallocation approved with authority chain**

Approval chain: Ops Head – Fleet Director – Port Liaison • Evidence: 14 documents linked

**Execute: Operational advisories issued and ETA recalculated automatically**

Advisories: 22 • ETA recalculations: 10,200 • Crew notifications: 100% acknowledged

**Verify: SLA impact tracked, exceptions logged, and audit trail sealed**

SLA recovery: 93% • Remaining exceptions: 2 • Audit events generated: 4,820

**Operational Impact Summary** Managed

- 1 critical disruption under command
- 2 major disruptions monitored
- 17 voyages impacted (24h)
- 93% SLA recovery after action

**Governance & audit**

Ops action log events (30d): 2,140,880  
Evidence links (30d): 88,420 files

**Operations Action Log (Top 20 of 71 exceptions today)** Fields: incident • voyage • action • approvals • SLA impact • evidence • audit

Log ID	Incident	Vessel	Voyage	Action	Approval Chain	Issued	SLA Impact	Evidence	Audit	Status
AL-2409001	INC-2026-00041	KM Papua Nusantara	VYG-2026-01175	Reroute	3 steps	07:05	-18m	14 files	410 events	Close
AL-2409002	INC-2026-00041	KM Cakrawala	VYG-2026-01172	Hold + notify	3 steps	07:08	+35m	12 files	392 events	Open
AL-2409003	INC-2026-00040	KM Merah Putih	VYG-2026-01173	ETA revise	2 steps	07:12	+22m	9 files	375 events	Close
AL-2409004	INC-2026-00040	KM Maluku Jaya	VYG-2026-01171	Speed limit	2 steps	07:16	+15m	8 files	311 events	Close
AL-2409005	INC-2026-00039	KM Samudra Abadi	VYG-2026-01176	Slot adjust	2 steps	07:20	+10m	7 files	296 events	Close
AL-2409006	INC-2026-00039	KM Nusantara Jaya	VYG-2026-01182	Re-sequence	2 steps	07:24	+12m	6 files	260 events	Close
AL-2409007	INC-2026-00038	KM Sulawesi Indah	VYG-2026-01177	Extra tug	2 steps	07:28	+20m	6 files	244 events	Open
AL-2409008	INC-2026-00038	KM Bali Bahagia	VYG-2026-01163	Fast lane	1 step	07:31	-5m	4 files	231 events	Close
AL-2409009	INC-2026-00037	KM Jawa Sentosa	VYG-2026-01166	Hold + notify	2 steps	07:36	+28m	5 files	220 events	Open
AL-2409010	INC-2026-00037	KM Andalas Raya	VYG-2026-01168	ETA revise	1 step	07:40	+16m	4 files	205 events	Close
AL-2409011	INC-2026-00036	KM Garuda Samudra	VYG-2026-01165	Re-sequence	2 steps	07:44	+14m	4 files	190 events	Close
AL-2409012	INC-2026-00036	KM Bintang Timur	VYG-2026-01170	Speed limit	2 steps	07:48	+12m	4 files	185 events	Close
AL-2409013	INC-2026-00035	KM Papua Nusantara	VYG-2026-01175	Reroute	3 steps	07:52	-10m	6 files	176 events	Close
AL-2409014	INC-2026-00035	KM Merah Putih	VYG-2026-01173	ETA revise	2 steps	07:56	+18m	4 files	169 events	Open
AL-2409015	INC-2026-00034	KM Cakrawala	VYG-2026-01172	Hold + notify	2 steps	08:00	+30m	5 files	160 events	Open
AL-2409016	INC-2026-00034	KM Samudra Abadi	VYG-2026-01176	Slot adjust	2 steps	08:04	+9m	3 files	152 events	Close
AL-2409017	INC-2026-00033	KM Nusantara Jaya	VYG-2026-01182	Re-sequence	2 steps	08:08	+11m	3 files	140 events	Close
AL-2409018	INC-2026-00033	KM Maluku Jaya	VYG-2026-01171	Speed limit	2 steps	08:12	+13m	3 files	132 events	Close
AL-2409019	INC-2026-00032	KM Papua Nusantara	VYG-2026-01175	Reroute	3 steps	08:16	-8m	4 files	128 events	Close
AL-2409020	INC-2026-00032	KM Sulawesi Indah	VYG-2026-01177	Extra tug	2 steps	08:20	+17m	3 files	132 events	Open

Records: exceptions today 71 • Advisories issued (24h): 284 • Ops action log events (30d): 2,140,880 • Evidence links (30d): 88,420

Port, Voyage & Operation Control  
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## **Maritime Finance & Commercial Control**

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The Maritime Finance and Commercial Control module transforms operational data into strategic financial insight. It delivers clear visibility into voyage profitability, cost per nautical mile, fuel cost variance, and route level performance.

By integrating commercial and PSO perspectives, management can objectively compare subsidized and commercial routes, optimize asset allocation, and support data driven financial decisions. This module elevates financial oversight from accounting to true maritime business intelligence.

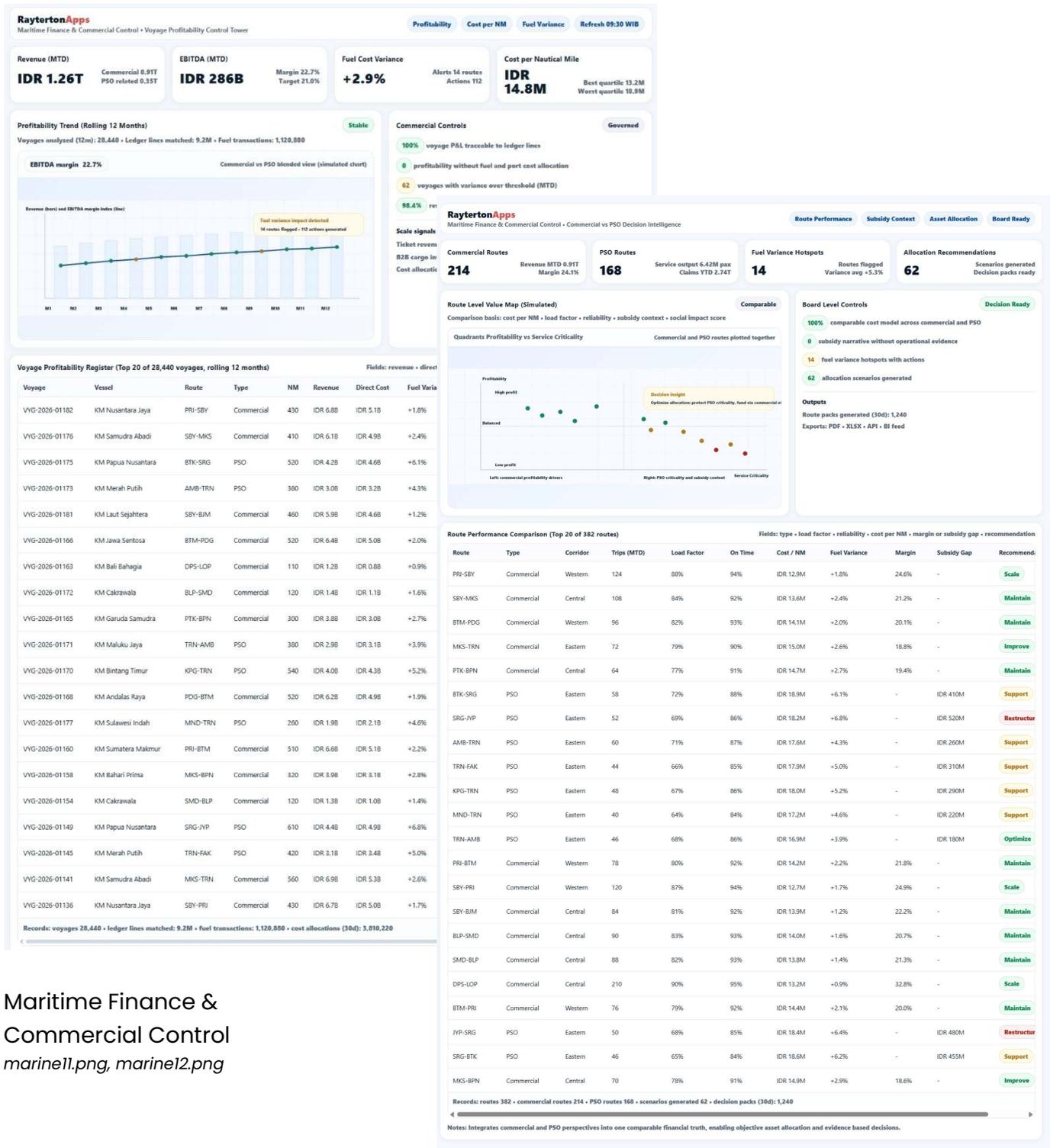
Maritime Finance & Commercial Control is not conventional accounting, but true shipping economics and performance control.

### **Core Modules:**

- Voyage Profitability Analysis
- Cost per Nautical Mile Monitoring
- Fuel Cost Variance Analysis
- Revenue per Route and Vessel
- PSO vs Commercial Route Comparison
- Integration with ERP and Treasury Systems

### **Strength Points:**

Transforms financial data into maritime business intelligence, enabling executive leadership to evaluate route economics, optimize asset utilization, and objectively balance commercial performance with public service mandates beyond traditional financial reporting.



Maritime Finance & Commercial Control  
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## **Governance, Risk & Compliance (GRC)**

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The Governance, Risk, and Compliance module establishes a strong control framework aligned with SOE governance standards. It centralizes policies, risk registers, audit findings, approvals, and authority matrices within a structured digital environment.

With full audit trails and compliance dashboards, this module ensures transparency, accountability, and readiness for internal audit, regulators, and state auditors. It reinforces trust and governance integrity at enterprise and national levels.

Governance, Risk, and Compliance (GRC) is a mandatory governance foundation for state owned enterprises.

### **Core Modules:**

- SOP and Policy Management
- Risk Register and Mitigation Management
- Internal Audit and Findings Management
- Compliance Dashboard
- Authority Matrix and Approval Workflow
- Audit Trail and Change History

### **Strength Points:**

Demonstrates full readiness for state audit institutions, internal supervisory bodies, and SOE governance requirements. This module ensures transparency, accountability, and traceability across all operations, reinforcing trust and governance integrity at enterprise and national levels.

Rayterton Apps

Governance, Risk & Compliance (GRC) • SOE Control Framework • Audit Ready

Policies
Risk Register
Audit Findings
Authority Matrix

Policies Controlled

1,284

Active 1,120  
Under review 164

Risks Monitored

4,620

High 132  
Critical 18

Audit Findings (YTD)

842

Open 96  
Closed 746

Approval Events (30d)

218,440

With evidence 100%  
Exception 0

**Compliance Posture Dashboard** Transparent

Coverage: fleet operations • port activities • PSO governance • finance controls • HR & crew compliance • vendor and procurement

Compliance heat (simulated) across directorates Green: compliant • Amber: monitor • Red: action required

Directorate	Policy	Control	Evidence	Audit	Exceptions	Closure
Fleet Ops	Green	Green	Green	Green	Green	Green
Crew	Green	Amber	Green	Green	Green	Green
Finance	Green	Green	Green	Green	Green	Green
Procurement	Amber	Amber	Green	Green	Green	Green
PSO	Green	Green	Green	Green	Green	Green

**Authority Matrix Snapshot** Enforced

Authority rules: 18,420 • Approval chains: 1,240 • Delegations: 3,880

Process	Threshold	Re
Fuel Procurement	> IDR 2B	Op
Dry Dock Contract	> IDR 15B	Fle
PSO Claim Submission	Any	PS
Route Reallocation	Critical ports	Op
Crew Contract Override	Exception	HF

Controls: policy mapped • approver enforced • evidence mandatory • audit tr

Notes: Every approval is governed by policy, threshold, authority, and bypasses governance.

Rayterton Apps

Governance, Risk & Compliance (GRC) • Risk Register • Audit Findings • Full Audit Trail

Audit Trail
Findings
Risk Register
Remediation

Audit Trail Events

24,820,440

Rolling 12m  
Immutable logs

Open Findings

96

High 22  
Critical 4

Open Risks

150

High 132  
Critical 18

Remediation SLA

93%

On track  
Overdue 7%

**Risk & Audit Register (Top 20 of 4,620 risks and 842 audit findings)** Fields: category • severity • control gap • owner • due date • evidence • audit trail

ID	Type	Category	Severity	Title	Owner	Control Gap	Due	Evidence
RISK-2026-0018	Risk	Fleet Safety	Critical	Overdue hull inspection on 3 vessels	Fleet Dir	Inspection scheduling	2026-02-05	12 files
FIND-2026-0041	Finding	Finance Control	Critical	Fuel variance approvals missing threshold evidence	CFO Office	Authority enforcement	2026-01-28	28 files
RISK-2026-0032	Risk	PSO Governance	Critical	Subsidy claim mismatch risk on 2 corridors	PSO Owner	Claim validation	2026-02-10	34 files
FIND-2026-0068	Finding	Procurement	High	Vendor due diligence evidence incomplete	Procurement	KYC evidence	2026-02-01	19 files
RISK-2026-0074	Risk	Crew Compliance	High	Certification expiry within 30 days (cluster)	HR Maritime	Renewal workflow	2026-01-30	41 files
RISK-2026-0088	Risk	Operations	High	Port congestion delays impacting SLA	Ops Head	Exception playbook	2026-02-07	16 files
FIND-2026-0102	Finding	IT Security	High	Privileged access review overdue	CISO	Access certification	2026-02-03	7 files
RISK-2026-0109	Risk	Fleet Maintenance	High	Backlog of critical work orders	Fleet Ops	Maintenance capacity	2026-02-12	22 files
FIND-2026-0125	Finding	PSO Contract	High	Contract amendment approvals not fully mapped	Legal	Authority mapping	2026-01-31	11 files
RISK-2026-0136	Risk	Finance Control	High	Cost allocation variance over threshold	Controlling	Allocation rules	2026-02-06	14 files
RISK-2026-0152	Risk	Safety	High	Near miss trend on deck operations	HSE	Training enforcement	2026-02-09	25 files
FIND-2026-0168	Finding	Audit	High	Evidence link missing on 12 approvals	GRC Office	Evidence policy	2026-01-27	12 files
RISK-2026-0177	Risk	Operations	High	Weather risk routing not consistently adopted	Ops Head	Advisory compliance	2026-02-02	9 files
FIND-2026-0189	Finding	Procurement	High	Segregation of duties exception in tender	Procurement	SOD rules	2026-02-08	15 files
RISK-2026-0201	Risk	Crew Compliance	High	Rotation plan gap for peak corridor	HR Maritime	Rotation governance	2026-02-11	18 files
FIND-2026-0214	Finding	Finance Control	High	Manual journal override lacks second approval	Controlling	Dual control	2026-02-04	6 files
RISK-2026-0228	Risk	PSO Governance	High	Claim timeliness risk for monthly cycle	PSO Owner	Submission workflow	2026-02-02	10 files
FIND-2026-0240	Finding	IT Security	High	Log retention policy not consistently enforced	CISO	Retention controls	2026-02-06	8 files
RISK-2026-0257	Risk	Fleet Maintenance	High	Spare parts lead time volatility	Fleet Ops	Buffer policy	2026-02-15	13 files
FIND-2026-0269	Finding	Audit	High	Sampling gap on PSO supporting documents	SPI	Sampling method	2026-02-07	21 files

Records: policies 1,284 • risks 4,620 • audit findings YTD 842 • audit trail events (12m) 24,820,440 • approvals (30d) 218,440

Notes: Every policy, approval, risk, and finding is traceable to evidence and immutable audit trails, ensuring readiness for internal audit, regulators, and state auditors.

Governance,  
Risk & Compliance (GRC)  
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## Executive Maritime Control Tower

The Executive Maritime Control Tower delivers a unified, board level view of national maritime performance. It consolidates fleet status, PSO effectiveness, financial performance, crew readiness, operational risk, and service reliability into a single executive dashboard.

Designed for calm, strategic decision making, this control tower enables leadership to monitor key indicators, detect early risks, and align operational execution with national objectives. All KPIs are fully customizable to match the priorities of top management and government stakeholders.

Executive Maritime Control Tower is the centerpiece and strategic highlight of the platform.

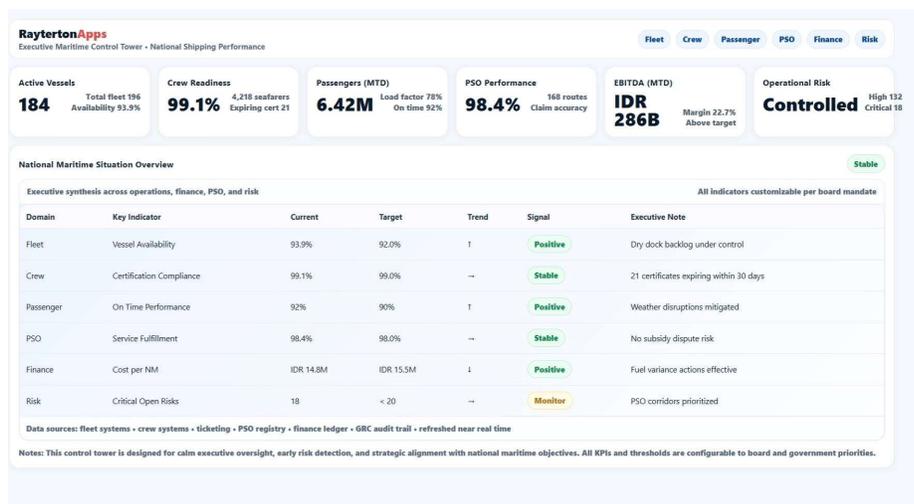
### Core Modules:

- National Fleet Status Overview
- PSO Performance Heatmap
- Revenue, Cost, and Subsidy Summary
- Crew Readiness and Compliance Overview
- Incident and Risk Alerts
- Board Level KPI Customization

### Strength Points:

A single, calm, and elegant executive screen designed for board level oversight. This control tower elevates the platform from an operational system into a strategic decision instrument, enabling leadership to monitor national maritime performance, detect early risks, and steer the organization with clarity and confidence.

Executive Maritime Control Tower  
*marine15.png*



## Integration & National Digital Ecosystem

This module ensures Rayterton operates as part of a broader national maritime digital ecosystem. It enables secure integration with port authorities, government platforms, and external systems through open APIs and standardized data exchange.

With built in data architecture and cybersecurity controls, the platform is prepared for national scale interoperability, long term sustainability, and future digital expansion.

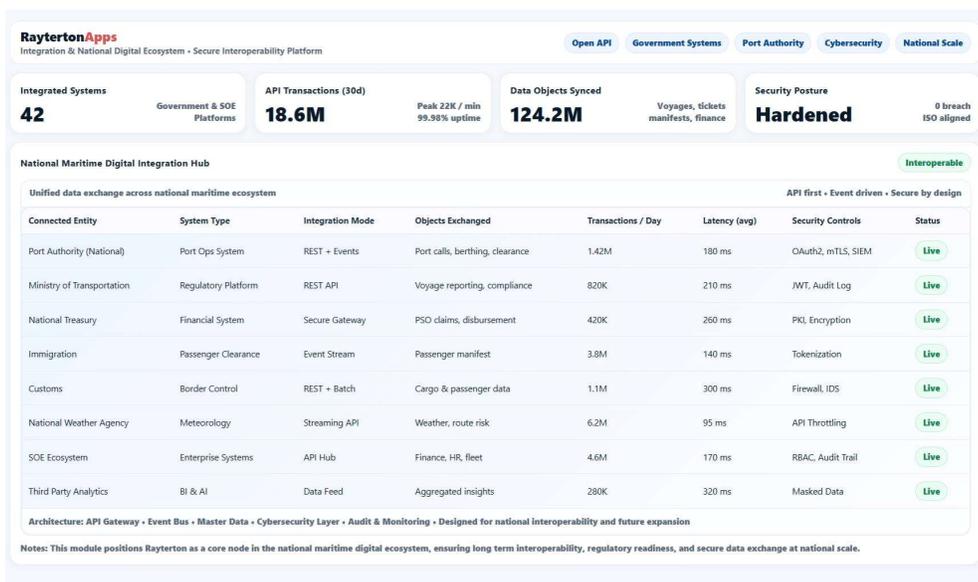
Integration & National Digital Ecosystem demonstrates full readiness for national scale digital interoperability.

### Core Modules:

- Integration with Port Authority Systems
- Integration with Government Platforms
- Open API and Standardized Data Exchange
- Data Warehouse and Maritime Analytics
- Cybersecurity and Access Control

### Strength Points:

Positions the platform as part of a broader national maritime digital ecosystem, ensuring secure interoperability, long term sustainability, and seamless integration with government, port, and enterprise systems at national scale.



Integration & National Digital Ecosystem  
marine16.png

## Enterprise Platform Capabilities

Rayterton for Maritime & National Shipping is built as a true enterprise platform, not a rigid off the shelf system. It is fully customizable to organizational structure, operational models, and regulatory requirements without vendor lock in.

The platform supports multi directorate operations, high transaction volumes, role based access, and deployment flexibility, including on premise and private cloud environments. This ensures long term ownership, scalability, and strategic independence for national shipping SOEs.

Enterprise Platform Capabilities truly differentiates Rayterton from conventional local software vendors.

### **Mandatory Enterprise Capabilities:**

- Fully Customizable Without Vendor Lock In
- One Unified Platform for Multiple Directorates
- High Volume Transaction Ready
- Role Based Executive and Management Views
- On Premise or Private Cloud Deployment Ready

### **Strength Points:**

Positions Rayterton as an enterprise grade national platform, not a boxed application. These capabilities ensure long term flexibility, scalability, and strategic control, enabling SOEs to evolve their digital landscape without dependency risks while supporting complex, multi directorate operations at national scale.

### **Ready to Elevate National Maritime Governance and Operations**

Share your organizational structure, fleet composition, PSO mandates, and operational priorities. Rayterton will configure a maritime digital platform tailored to your national shipping model, enabling stronger governance, operational transparency, and data driven executive decisions across fleet, crew, passengers, and public service routes.

Built for SOEs, ministries, and national shipping operators who require control, auditability, and scalability beyond day to day operations. Engage Rayterton to institutionalize your maritime governance into a modern, API first, and audit ready platform designed for long term national impact.

**Contact Us :**



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## **About Rayterton**

Established in 2003, Rayterton delivers comprehensive Best Fit Software Solutions, server and hardware products, and technology services to a wide range of industries and organizations. Our core expertise lies in Business Process Improvement (BPI), IT Infrastructure, and IT Management.

At Rayterton, we are committed to empowering our clients by enhancing their business operations through tailored IT and management solutions. We combine innovation, experience, and client collaboration to ensure long-term success and digital transformation.

## **Our Competitive Strengths**

**100% Risk Free**

**Best fit to  
client  
requirements**

**Easy to  
customize**

**Software  
ownership**

**No Change  
Request (CR)  
fees during  
maintenance**

**For more information, visit [rayterton.com](http://rayterton.com)**