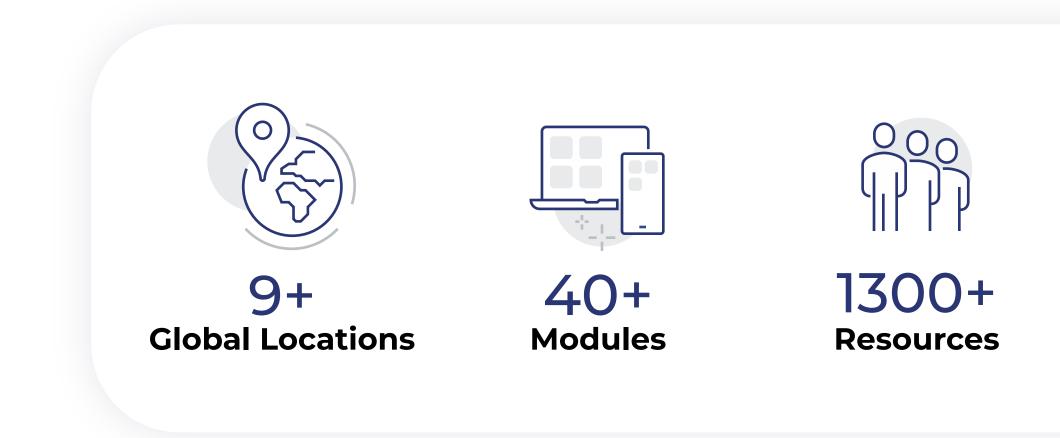


# Choose smart, Choose smart





## **Digital Solutions. Maritime Focus.**

MariApps Marine Solutions is a leading digital technology company dedicated to providing customized software solutions for maritime enterprises. Our flagship product, smartPAL, is a comprehensive suite designed to meet the evolving needs of the maritime industry. With a global team of over 1300 experts, MariApps is committed to supporting maritime businesses in navigating the complexities of the industry.



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95+ Clients



### 4500+ **Vessel Implementations**



### Your choice digital solutions partner

 $\langle \rangle$ 



#### **Global Reach**

Global presence allows for effective catering to customers' requirements.



#### **Proven Expertise**

Proven implementation experience, on over 4000 vessels.



#### **Customized Solutions**

Based on ship owners and ship managers requirements.



#### Swift Implementation

Efficient and prompt mobilization of resources to achieve fast implementation.





Committed to support digitalization requirements based on fleet scalability of customer's needs.



#### **Industry Leading**

Innovative, cyber-secure, and user-friendly software solutions with advanced web application performance benchmarks.



smartPAL 03

### Why Choose



Covers all functional areas of ship management and ship owning

Web-based maritime digital solution designed for prompt implementation with plug-and-play modules



Intuitive and customizable, with built-in interfaces

Customizable dashboard facilitating data-driven decision making and management through KPIs Optimized processes and workflows to improve productivity

Comprehensive video-based training modules with built-in self-assessment functions



### Procurement



# Simplifying purchasing operations

Procurement modules offer a great degree of flexibility in configuring the procurement business process, various approval levels, and budgets per company policy. *smart*PAL's intelligently designed purchasing solutions enable consumers to complete hassle-free purchase transactions in less time. The modules' several validations prevent human errors between transactions.





smartPAL 05



### Procurement



A comprehensive inventory and procurement management system that can be integrated with other onboard modules. It enables seamless data flow through the Planned Maintenance and Accounting applications that provide a powerful platform to track stock levels, forecast spares demand, job planning, manage vessel budgets, and track vendor turnover. *smart*PAL's Procurement application can be integrated with third-party Business-to-Business (B2B) platforms and Vendor ERP systems.

- Manage technical expenses against vessel budgets
- Optimize inventory based on reorder levels, forecast consumption, and lead time days including vendor management
- Process enquiries and quotations
- Quote comparison and approval
- Issue, track, and approve purchase and service orders
- Tracks goods deliveries, register, and approve invoices
- smartPAL V4 portal for safe and secure RFQ submission







## Catering 😭

The Catering software provides ship owners and ship managers with extensive onboard catering services. The Menu Planning feature simplifies the meal planning process onboard. Users can auto-generate provision requisitions with the help of the Chief Cook, collate costs onboard, and ensure the planning process is in line with the vessels' budgeting requirements.

- Detailed Menu Planning
- Calorie tracking for every menu planned
- Built-in multi-cuisine menus
- Complete purchase cycle
- Personalized reports
- Generate provision requests
- Food cost management
- Appraisal reports

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# HR & Payroll



### Delivering exceptional crew experiences

The modules allow office users to manage the ship crew pool, sign on/off, transfers, and promote/demote seafarers. Access self-management portals for both new candidate seafarers and existing sailing crew. The portal enables sailors to keep their PAL-created CVs up-to-date, as well as their certifications, documentation, and licenses.

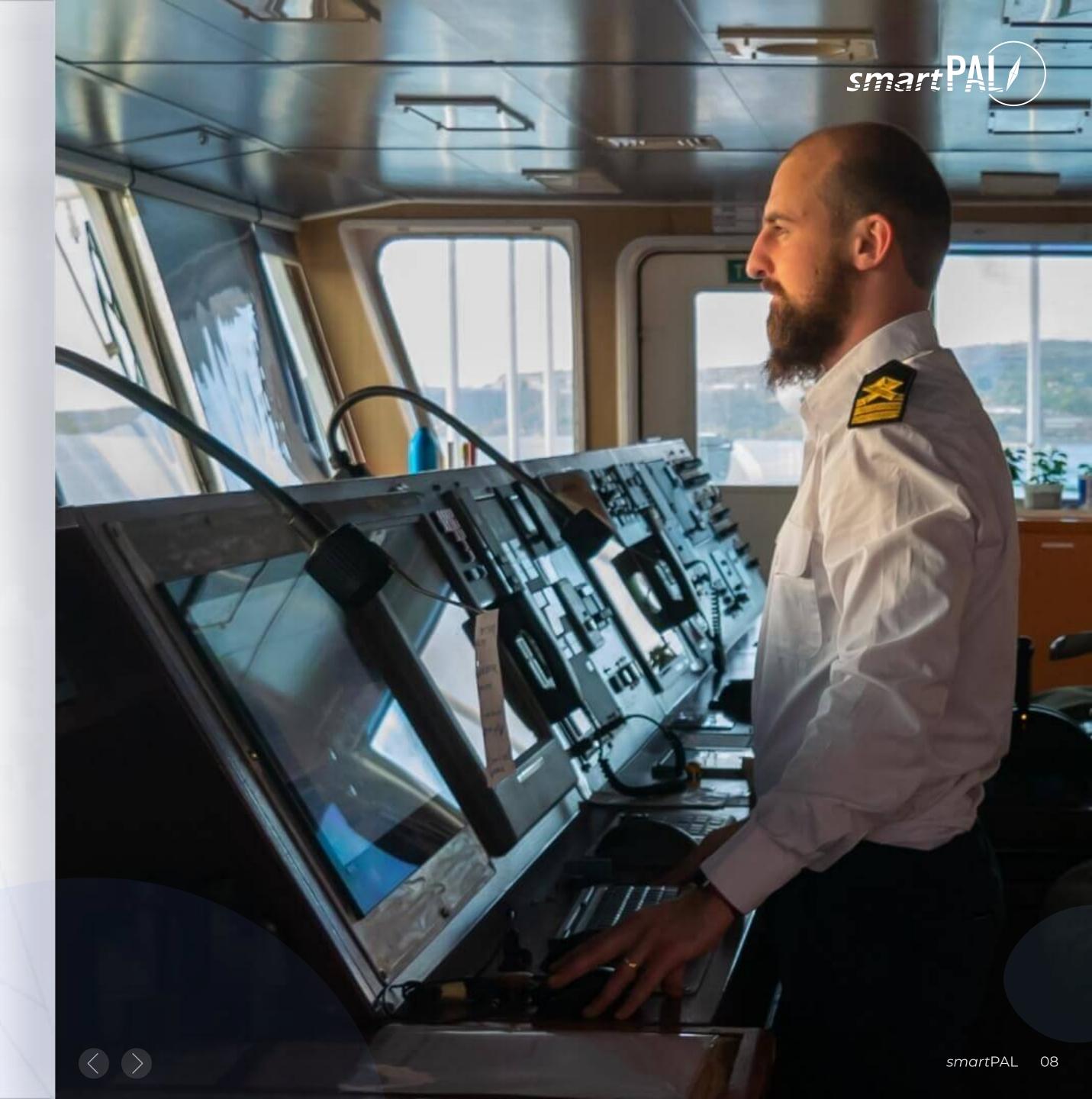


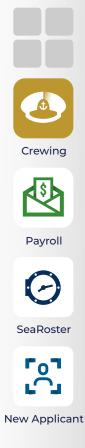


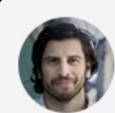


Sea Roster









FOUZDAR, SHARZAD ZUBIN 🛏
000616
4th Engineer Trainee
30 Year, MALE
Mumbai, Indian

Sign-on

Sign-off

DoB 06-Feb-1987 Sign on Date 30-Jun-2017 ETOD 30-Jun-2017 Original COC 01-Feb-2017

BTOD 30-Jun-2017
Sign of Date 30-Jun-2018
Relief Date 19-Mar-2017
Original EOC 30-Jun-2017

Activities		Make NTBR
Travel To Vessel		Owner
Sign-On		Manager
Extend/Reduce		Group
Promotion/Demo	tion	
Transfer		Make De-NTBR
Sign-Off		Owner
Reverse		
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Make Inactive		
Make Active		Pending 65

Pending Approved Completed



#### Crewing t



Centralized system to manage the activities and data of both seafarers working onboard and ashore. Manage employee contracts, payrolls, documentation, training, claims, expenses, and activities. Track activity year-round for salary and fee-based employees.

- Cloud-centric workforce management supported with mobile apps to track overall crew details anywhere, anytime
- Exchange quotations and PO budgets
- Crew management made seamless via Applicant Portal, with consistent data integration to other modules such as Crewing, Ticketing, Sea Roster, Payroll, *smartOps*, Procurement, Accounts, Insurance, Catering, and Seafarer Portal
- Custom dashboards with dynamic views for quick analysis and efficient decision making
- Integration with third party vendor systems such as Seagull, Videotel, OCIMF, Q88, and various other systems for effortless data processing
- Access comprehensive graphical planning of seafarers as per vessel requirement document checks. Provision to select crew based on management requirement and owner specifications







A versatile and advanced payroll processing system to manage multi-national, multi-currency transactions, and payroll calculations for the crew onboard. Provides efficient management of monthly payrolls for both salary and feebased seafarers. Seamlessly integrated with Crewing and Accounts modules for managing crew contracts, dispersal of wages, and automatic transaction interfaces. Export to various e-banking systems for payments with interfaces that additionally allow for the preparation of accounting entries.

- Monthly inputs, and shipboard deductions entered via the vessel module
- Payslip generation and processing
- Personalized allotment processing
- Payroll charges reporting
- Portage bill integration, incidental expenses, bookings, and payments
- Access payslips on Seafer Portal on web and/or mobile
- Wage and automated bonus calculator
- Configurable allotment and bank charges



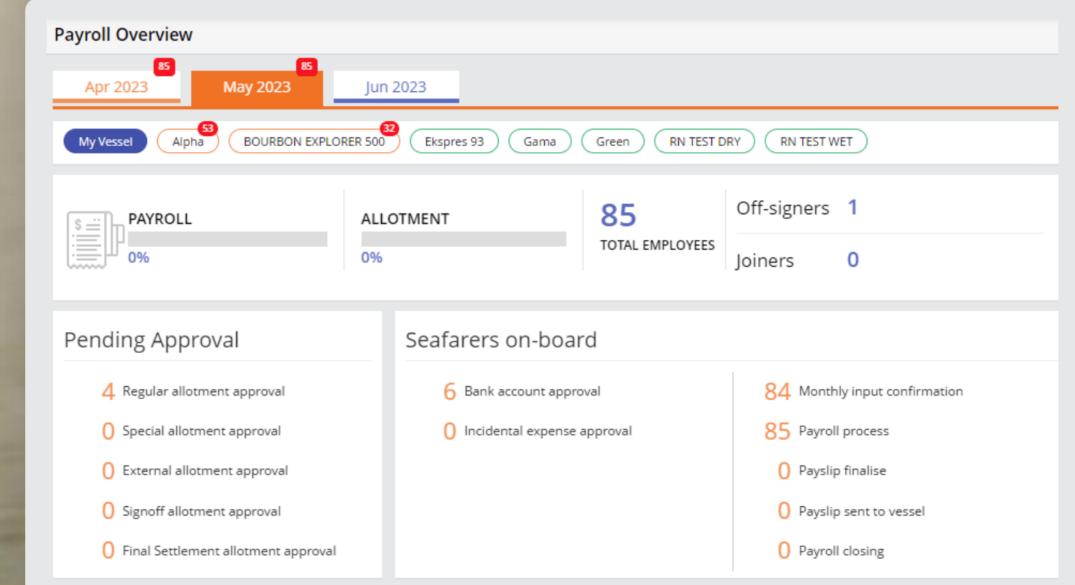
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Payroll

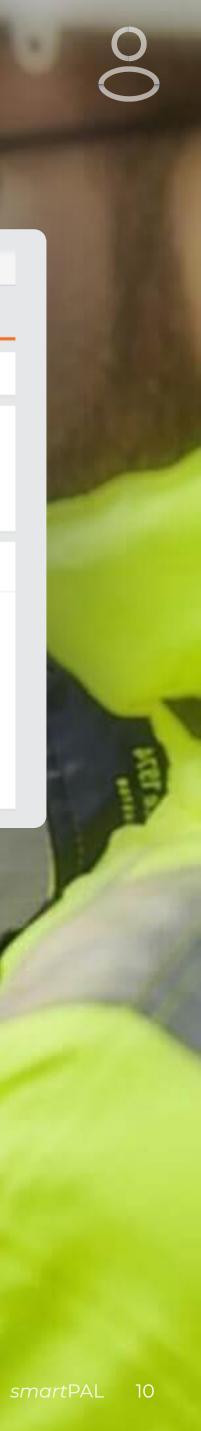
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SeaRoster

New Applicant







### Sea Roster

Sea Roster is a crew management software that manages the requirements onboard for compliance with regulations for crew hours of work and rest (STCW 2010, ILO MLC, US OPA 90, and OCIMF recommendations). The crew management software closely monitors any repeat deficiencies and adjusts future working routines onboard to prevent excessive working hours and reduce fatigue amongst seafarers. Sea Roster can act as a standalone module or can be combined with Crewing, *smartOps*, and Accounts. It allows for the transfer of crew and vessel information, while the voyage plan is provided by the *smartOps* module.

- Tracking of work and rest hours based on guidelines by global manpower regulatory bodies
- Management of individual and bulk schedules
- Provision to create plan from templates
- Integration with payroll module for overtime calculations
- Data Library for job planning
- Integration with Crewing module for various seafarer related details
- Advance or D-day options
- Increases deferred efficiency in task management
- Japanese flag state requirements for regulations of work and rest hours



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Crewing

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SeaRoster

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lew Applicant

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Port Watch

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## New Applicant

Our marine recruitment software, accessible via web and mobile portals, allows users to manage applicant profiles and processes efficiently. Our recruitment application connects to smartPAL's Crewing to facilitate the process of screening and handling applicants.

- Centralized data of new applicants for convenient accessibility and retrieval
- Public portal to register new applicants of potential seafarers
- Upload offline application forms
- Configure approval processes for selection of candidates

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Crewing

Payroll

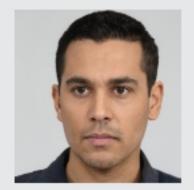
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SeaRoster

New Applicant



#### New Applicant Details



Overview Profile Documents ~ Experience Communications Family References

460409 Overview Rank Applied 2nd Officer External Agency

--Not Specified--

#### Documents

Docaments						
Document Name	Issuing Country	Expiry Date				
PASSPORT	Spain	06-Jun-2024				
SEAMAN BOOK						
US VISA	United States	08-Mar-2027				
Chief Officer (Reg. II/2 Par. 1-2)	Spain	04-Dec-2024				
Medical Fitness Report (ILO/MLC 2006)	Spain	21-Jun-2023				

### Experience By Rank By Vessel Subtype Vessel Subtype Other Company

🕂 Asphalt/Bitumen Tanker	OY OM 2D
🕂 Chemical/Oil Products Tanke	0Y 5M 4D
+ Crude/Oil Products Barge	OY 3M 1D
🕂 General Cargo Ship	0Y 4M 24D
🕂 LPG Ethylene Carrier	0Y 6M 1D



## Technical



# Effortless management of a vessel's technical operations

smartPAL's tightly linked technical solutions boosts user productivity in both the office and on board. The single-door technique significantly reduces crew efforts in job reporting and facilitates close module-to-module interaction.











The Maintenance modules delivers the tracking of assets, assemblies, and parts associated with vessel installation. The DNV type approved product can be configured according to the manufacturer's/class requirements. The module possesses features that include pre-planning and scheduling of jobs containing cost and time projections. The pre-planning capability provides resource, time, and spares planning which plays a critical role in inventory management based on predictive and preventive maintenance routines.

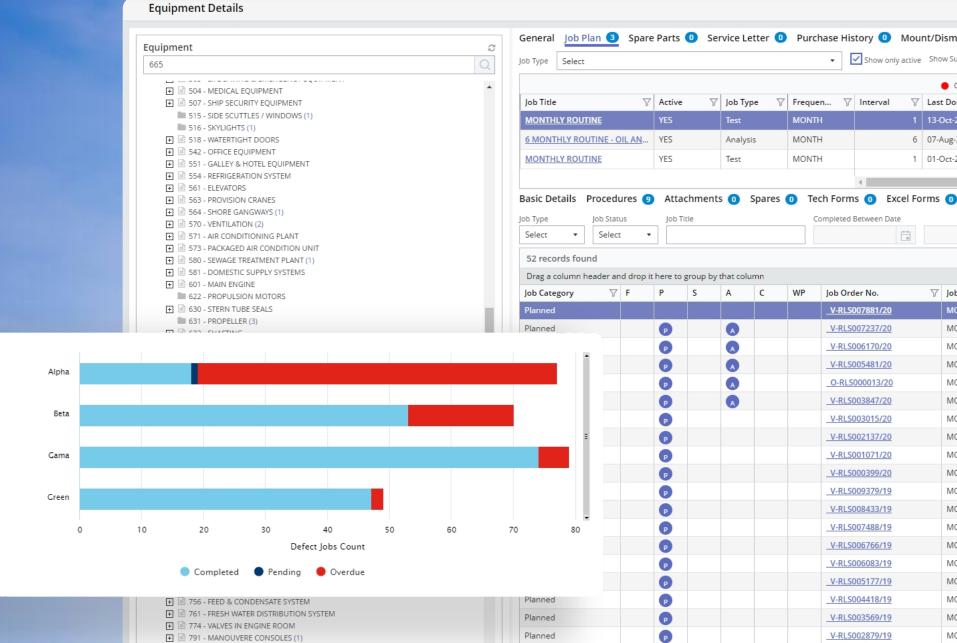
- ClassNK and DNV type certified
- PMS data building utilities
- Equipment data management
- Order spare parts and items
- Data Library for job planning
- Maintenance completed and overdue analysis
- Condition Based Maintenance Data (CBMD) associated with the asset
- Detailed BI reports for supplier and client



Maintenance

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Drydock



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## Drydock

The Drydock module features a sophisticated dry dock processing and management system that facilitates operations during the entire dry dock process. It covers all the necessary functionalities required for dry dock jobs that are implemented in the system and offers an all-in-one standardized platform for dry dock planning.

- Seamless integration with smartPAL's Maintenance and Procurement modules
- Full range of workflow capabilities from defect jobs tracking to dry dock specification building
- Generate specifications and invitations to tenders
- Web module for yards to have direct access to enter quotations
- Multi-currency tender and quote comparison features
- Yard firm stemming and generation of purchase orders
- Job planner and a complete array of tracking tools
- Daily operational and financial progress reporting
- Project report compilation



laintenance

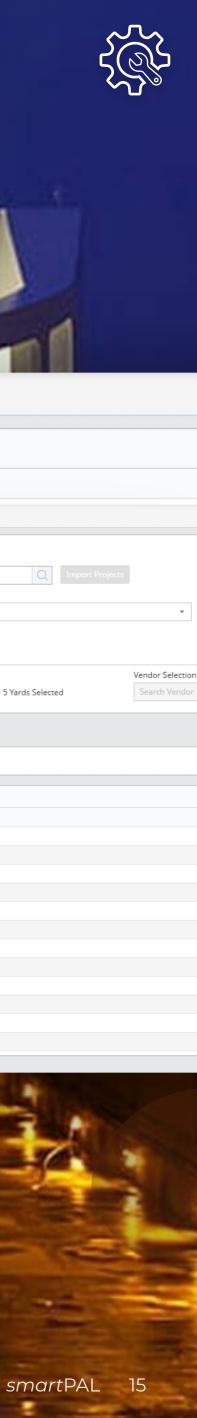
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### Health, Safety, Environment and Quality

Designed specifically for the shipping industry to help manage and improve HSEQ processes. Maintaining a vessel's safety standards, tracking certificates, risk management and incident reporting are a few examples of what can be achieved with *smart*PAL's safety modules.







The HSEQ module is an efficient safety and quality management system. It is a completely integrated system which focuses on maritime compliances and regulations to ensure safety at sea and ashore.

- Audit and inspection planning
- Inspection Reporting Tool (IRT) for mobile devices and offline work
- Unsafe Condition, Unsafe Act, Near Miss and Incident reporting
- Safety and management meetings
- Drill scheduling, reporting, and lessons learned
- Risk assessment management
- Insurance review and approval of work permit
- Management of change process
- Behaviour-Based Safety (BBS)
- Periodical reviews and action follow-up
- KPIs, comprehensive set of reports, and dashboard tiles

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HSEQ

**QDMS** 

QDMS

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Certification

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#### QDMS **QDMS**

The QDMS module is a ship-shore integrated solution that allows the company to reduce the administrative burden of document management. QDMS provides shipping companies with the capability to establish and implement common efficient policies and operating procedures, distribute best practices across their fleet and organization. The module enhances safe and efficient operations on vessels.

- Safety and quality management manuals, technical documents, rules and regulations etc. at sea and ashore
- Supports all internal and external document types, including policies, procedures, forms, manuals, safety advisory notes etc.
- Efficient workflow for document creation, revision, review, approval, and publishing
- Full document controls throughout document lifespan e.g. versioning and archiving
- Full text or refined search, result list with document preview
- Efficient replication of documentation from shore to vessels

**HSEO** 

**QDMS** 

**QDMS** 

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Certification



### Certification

HSEQ

**ODMS** 

The Certification module provides a comprehensive and standardized software solution for all certification documents and survey records related to the safe operation of vessels under management.

- Map certificates and surveys based on vessel type
- Access transaction details with due date of certificates and surveys
- Graphical overview of expiring surveys, COCs, and memoranda along with document history
- Dashboard-based, one-stop automated alert system, presented through a dashboard interface that can be used to notify users when certificates for vessels are nearing their expiration dates
- Certificates and surveys are assigned color-coded statuses to indicate the urgency of action required. Red denotes immediate action is required, orange denotes action is required within a month, and yellow denotes action is needed within two months
- Enable the categorization of certification based on criteria such as class, safety, flag state, or according to specific needs of both for the company and the fleet

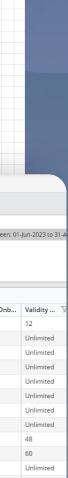
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# A set of simple and systematic financial modules

*smart*PAL's comprehensive finance modules empower you to control and maintain operating budgets, payables, receivables, and financial transactions accurately and securely. Experience the efficiency and reliability of *smart*PAL's Finance modules in managing your financial operations.



Accounts



**Financial Reporting** 



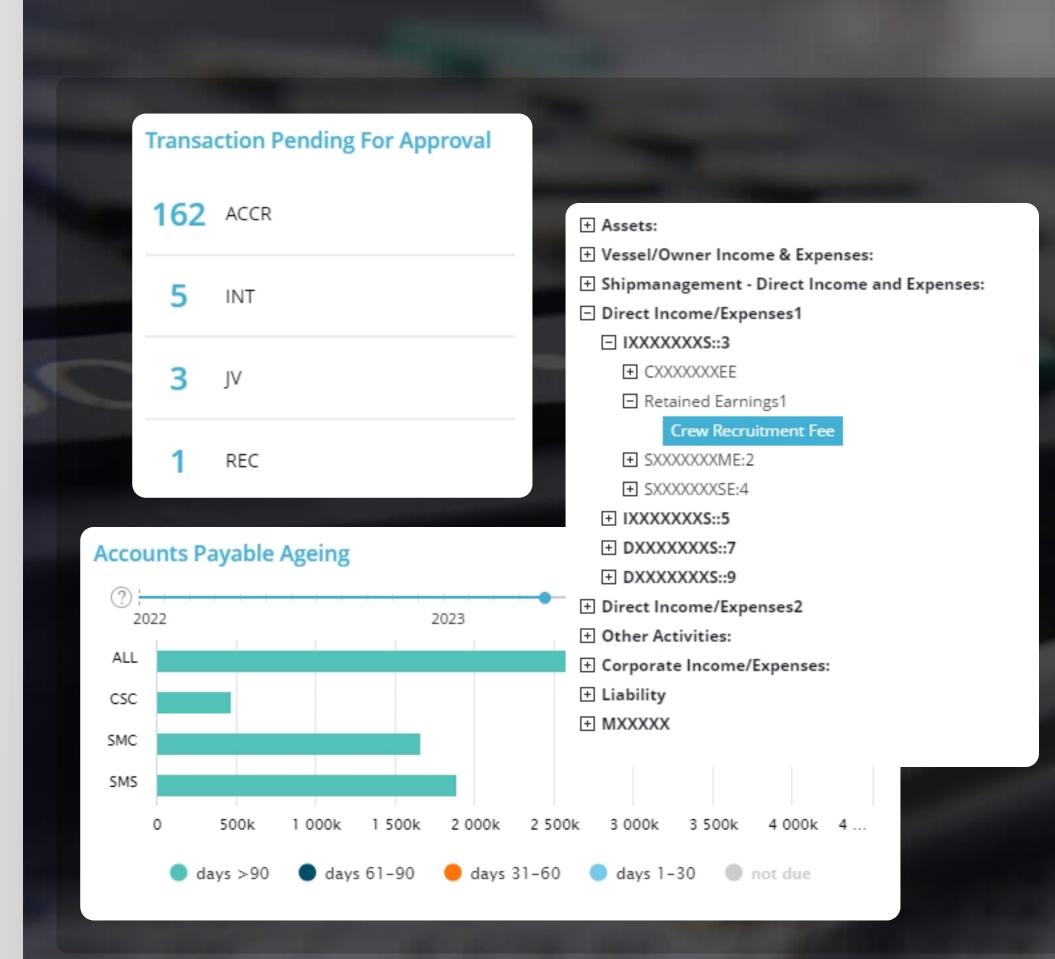
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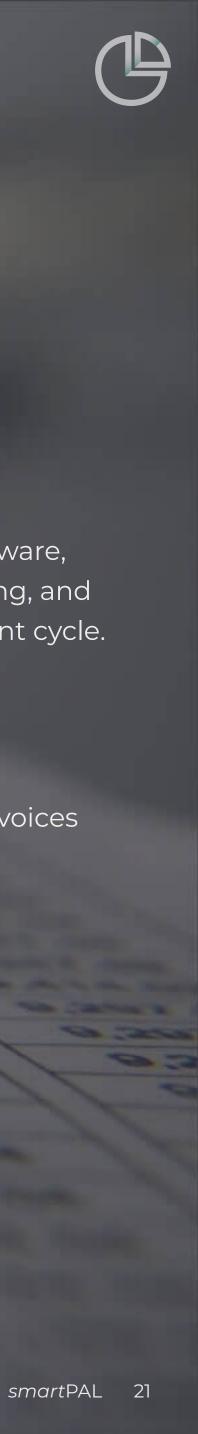




### % Accounts A comprehensive marine accounting software

A multi-national, multi-currency, and multi-company business accounting software, which can be integrated with other core modules such as Procurement, Crewing, and Payroll. It covers all aspects of ship management during the vessel management cycle.

- Customizable owner presentation charts defined per entity budgeting
- Set up a new vessel entity in the system based on the owner contracts
- Invoicing the client/owner (accounts receivable), processing the received invoices (accounts payable), and ageing analysis reports (AR/AP)
- Monitoring vessel expenses and owner cash position
- Direct banking transaction interfaces
- Detailed BI reports for supplier and client

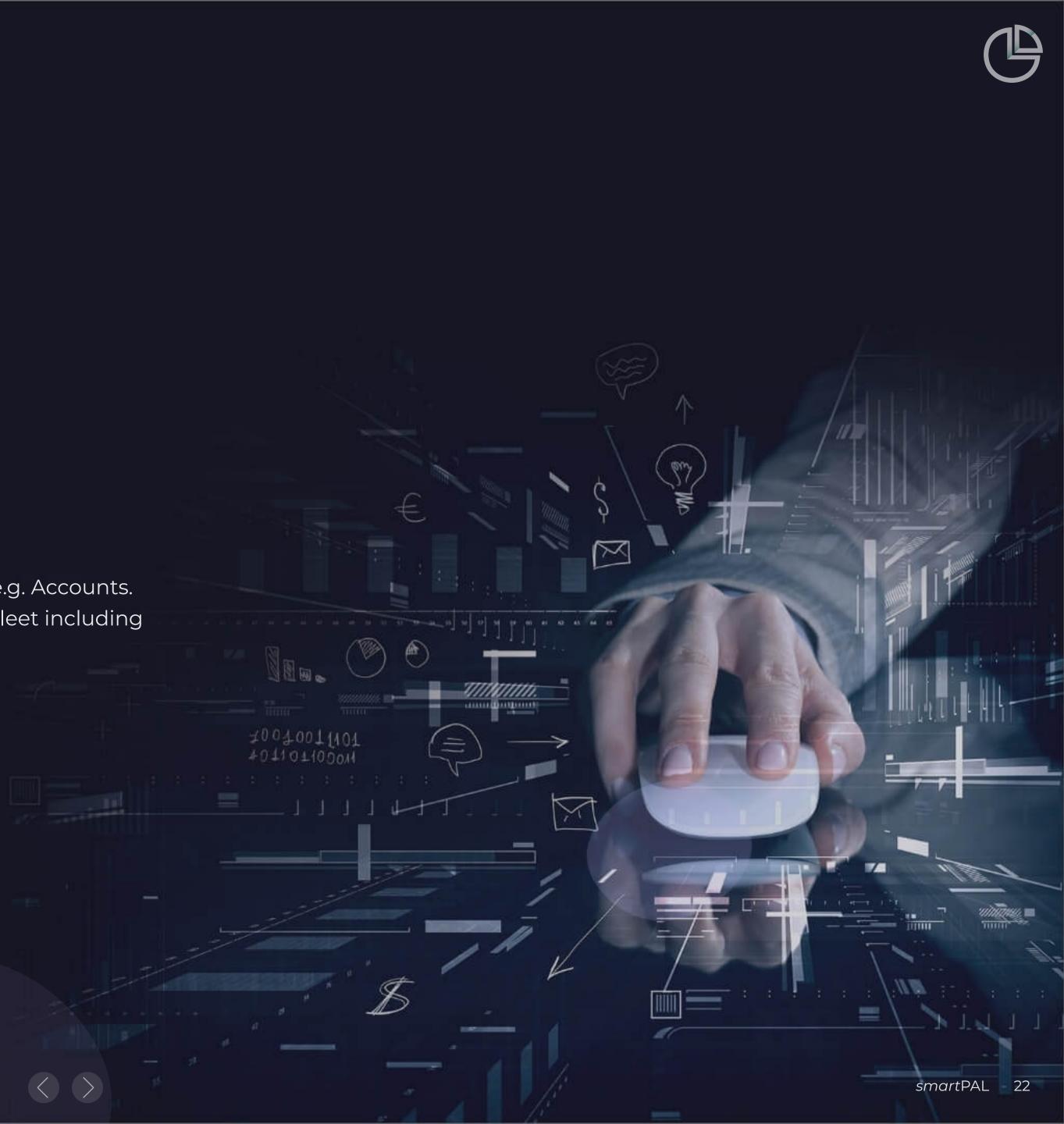




## Financial Reporting

# Publish reports from various sources and modules with ease

A platform for publishing reports from various sources and modules e.g. Accounts. The module enables several types of configurations required for LiveFleet including alerts. Supports manual data upload if required.



### I2P Bot

I2P bots provide cognitive automation solutions that enable an efficient purchase-to-pay cycle. MariApps' *smart*PAL presents I2P bots to scan, interpret and scan data intelligently for the invoice processing system which eliminates manual invoice processing. Transform long cycle times and delayed payments into efficient and error-free digital invoice systems. I2P bots mitigate recurring manual processes with cognitive automation for invoicing and account payable automation thus enhancing the visibility of purchase procedures to make your business more efficient.

- Mitigates recurring manual processes
- Intelligent invoice processing solution
- Increases cost savings for supplier and vendor management
- Improves long cycle periods and delayed payments through an efficient and error-free system





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you for your busin





smartPAL's Treasury module is an innovative digital solution, that offers insights into your company's cash flow, enabling you to plan future business endeavors more effectively. With a focus on loan management, SWAP operations, and cash balance reporting, Treasury collaborates seamlessly with smartPAL's Accounts and Financial Reporting modules. Its dynamic and interactive dashboard, presented in a user-friendly environment, provides clear visual representations to enhance understanding and decision-making. Experience the capabilities of *smart*PAL's Treasury as it transforms your financial operations into a more efficient and insightful process.

- Keep track of the cash control balance of your companies
- Complete loan management
- Record principal payments, interest repayments, accruals, loan charges, and more
- Analyze loan-to-asset value ratio
- Cash forecasting











### Fixed Assets

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Accounts

Financial

Reporting

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I2P Bot

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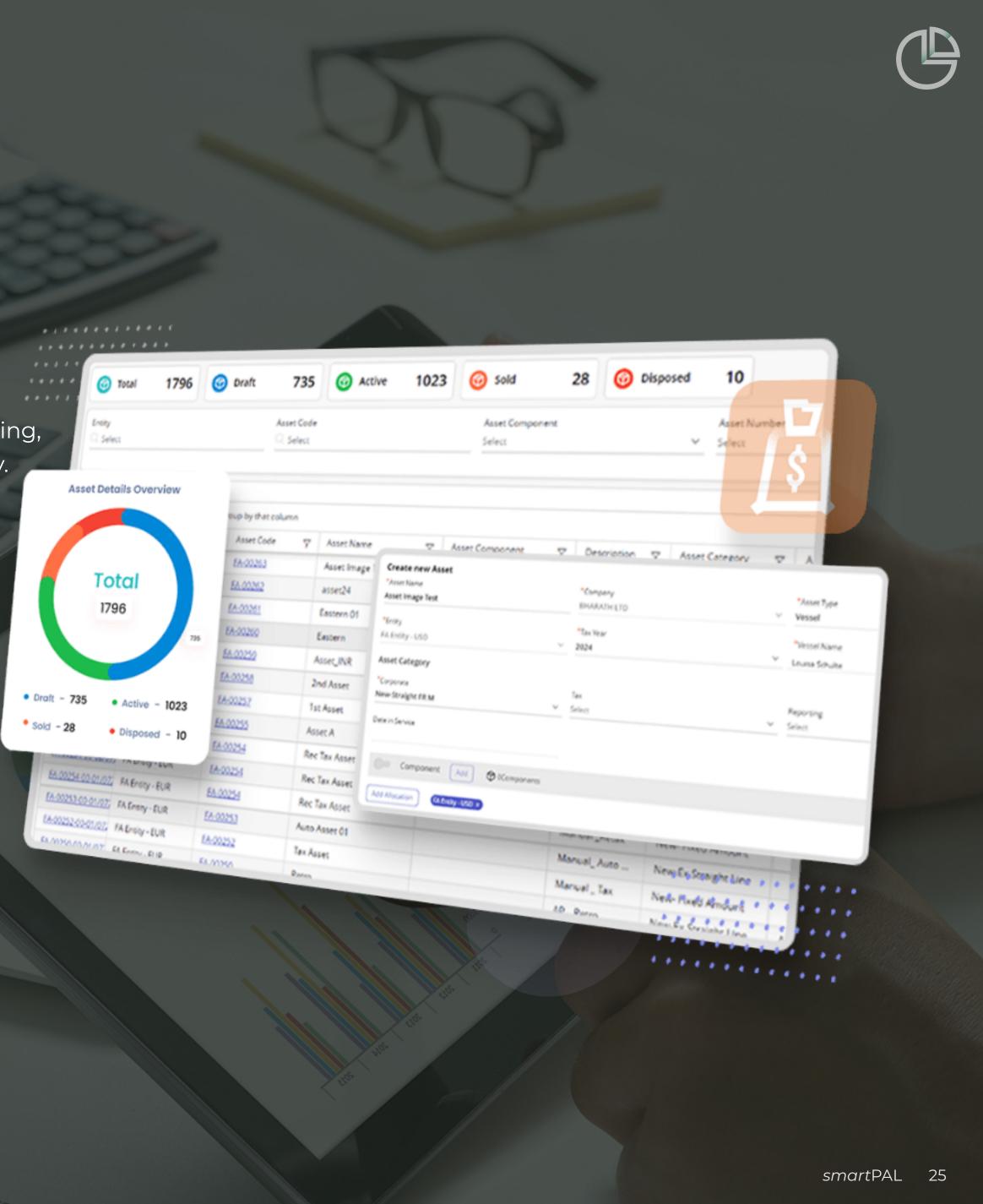
Treasury

**Fixed Assets** 



The Fixed Assets module is designed to streamline and enhance asset management across the maritime industry. The platform offers a comprehensive approach to tracking, depreciating, and maintaining your fleet's assets, ensuring compliance and efficiency.

- Maintain fixed asset registry
- Perform transactions (depreciations and revaluations)
- Generate and post accounting entries
- Access comprehensive reporting tools
- Lease asset management





## Commercial 🔶

The Commercial module features a shore specific tool for charterers to manage the entire pre-fixture part of vessel employment. With this module charterers can set hire rates for vessels, pool types, and manage contracts.

- Maintains vessel details on employment, charter party, and brokers, which addresses commissions and cost templates
- Supports all internal and external document types including policies, procedures, forms, manuals, safety advisory notes etc.
- Tracks vessel availability, schedules, and delivery status
- Updates charterers about hire/off hire status of vessels
- Reconciles owner and charterer expenses
- Generates invoices that tally with the Accounts module
- Chartering reports

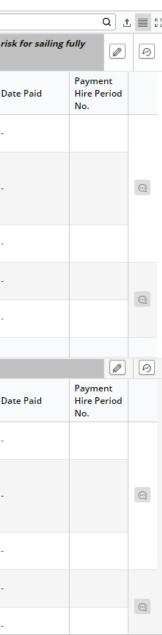
#### 2 records found

blems with 1 Diesel Gen able o/b, therefore, only 2 D/Gs avail

Offhire			Amount [USD]		Paid (Confirm [USD]	(Confirm
01-Jul-2017 17:42 - 03-Jul-2017 05:30 1.4917 Days	Hire	20,500.0000 (USD) P.D.	30,579.17		Yes 🔳	
	Broker : Hanseatic Chartering Limited	0.6250%		191.12 <sup>b</sup>	Yes 🔳	
	Broker : Shipping 360	0.6250%		191.12 <sup>b</sup>	Yes 🔳	
	0.0000 HFO (mtns)	0.0000(USD)	0.00		No 📕	
	6.0000 MDO (mtns)	468.0000(U	2,808.00		Yes 🔳	
Attachments ( )		Sum	22 287 17	282.24	22 004 02	

Offhire				nt [USD]	Paid (Confirm [USD]	D
20-Dec-2017 04:24 - 20-Dec-2017 23:18 0.7875 Days	Hire	20,500.0000 (USD) P.D.	16,143.75		Yes 🗖	-
	Broker : Hanseatic Chartering Limited	0.6250%		100.90 <sup>b</sup>	Yes 🔳	-
	Broker : Shipping 360	0.6250%		100.90 <sup>b</sup>	Yes 🔳	-
Bunkers Consumed	14.6000 HFO (mtns)	389.0800(U	5,680.57		Yes 📕	-
	0.2000 MDO	644.6000(U	128.92		Yes 📕	-









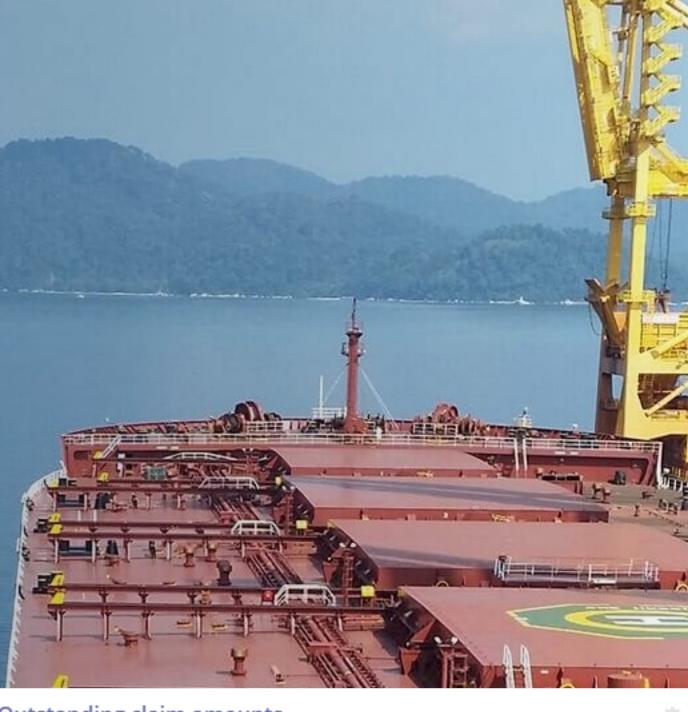
The Insurance module is a comprehensive claims handling, reporting, and operational analysis tool. This module provides a reliable and efficient way to record and process all types of ship management related claims.

- Policy settings
- Management of incident details
- Expenditures and payment management
- Claim statements and cover letter generation
- Identifying non-accepted items/cost
- Day-to-day claims process status update
- Review and approve claims
- Comprehensive set of reports and dashboard tiles

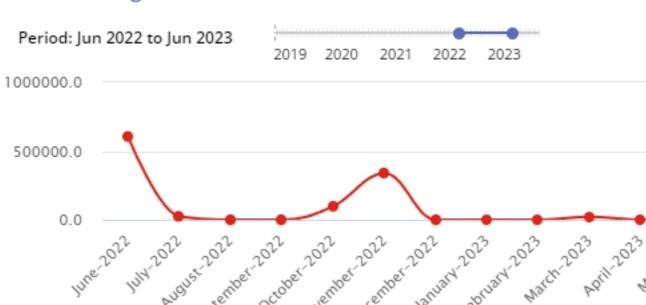




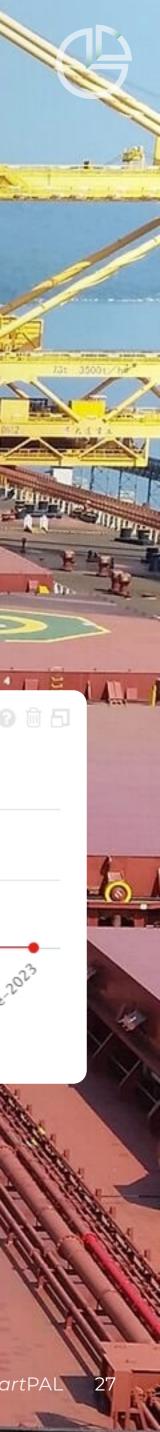
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#### > Outstanding claim amounts







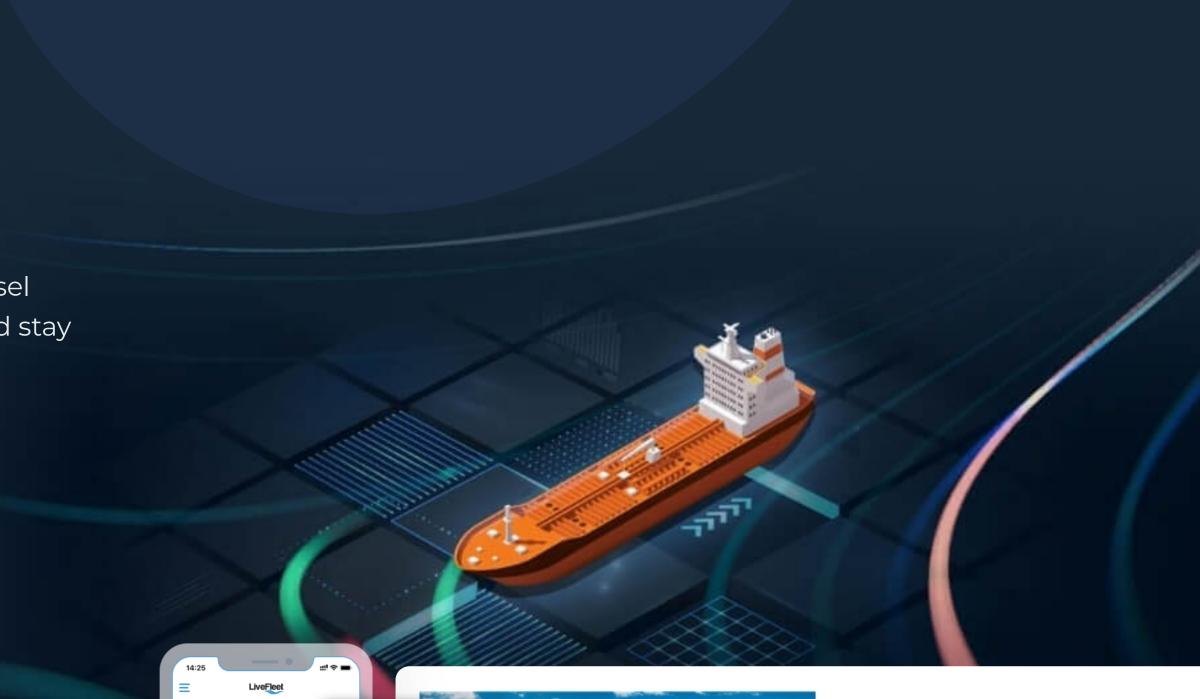
### LiveFleet V

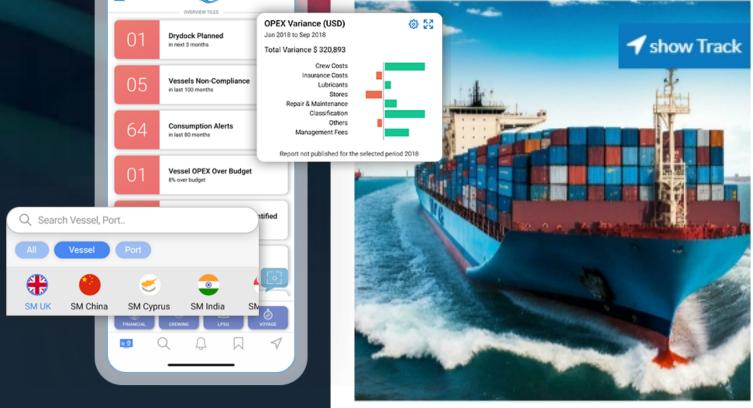
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LiveFleet

The LiveFleet module is designed for ship owners to access all key vessel information at a glance. Owners can track vessels in near real-time and stay informed on all key parameters with vessel tracker.

- Vessel and voyage performance
- Planned maintenance and purchase reports
- Technical details, financial, and operational reports
- Noon reports and vessel performance metrics
- In-depth data analytics
- Automated alerts
- Crew lists and distribution by nationality

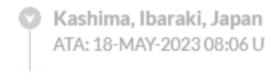






Latitude: 37°50'31.42"N Longitude: 143°3'18.18"E Current speed: 1.74 kn

#### Port Calls



ATA: 18-MAY-2023 08:06 UTC

Singapore, Singapore ETA: 07-JUN-2023 00:00 UTC

Last updated : 13-May-2023 9:00:43 UTC



### Value Added Products

### Ticketing

Simplify travel management with Ticketing's unified platform. Seamlessly create, track, and manage travel requests, integrated with HRM and Accounting modules.

### MAXv

MAXV, allows for comprehensive monitoring of all information and data transfer in the system, safeguarding vessel systems and data from any type of digital attack or compromise.

Enhance vessel inspections with IRT, a comprehensive ship safety management software. Capture audio comments, photos, and scores for transparent and accurate data and reports, whether as a standalone app or an extension of the HSEQ desktop module.

### PAL eXtrack

Effortlessly manage employee expense claims and reimbursement with PAL eXtrack. Streamline processes, eliminate manual tasks, and enjoy convenient web and mobile access for seamless submission, verification, and approvals.

### BI

Powered by intelligent analytical tools that scan, monitor, and showcase trends of near real-time data, users can share parameterized reports effortlessly with external clients and stakeholders.

### eRBooks

Electronic Record Books are designed to replace the conventional paper-based record books. An intuitive web-based application that helps comply with relevant regulatory body requirements.

### eLogs

eLogs is a flexible and dynamic electronic log book tool designed to work with various types of ships and operations. In addition to the standard library of ship specific and company specific events it can be easily added and configured for vessels.

### **Seafarer Portal**

Streamline crew management with Seafarer Portal, serving as an all-in-one solution for enhanced ship operations. Optimize crew deployment, facilitate seamless communication, and streamline employee contracts, payroll, documents, training, claims, expenses, and activity tracking.





### smartOps



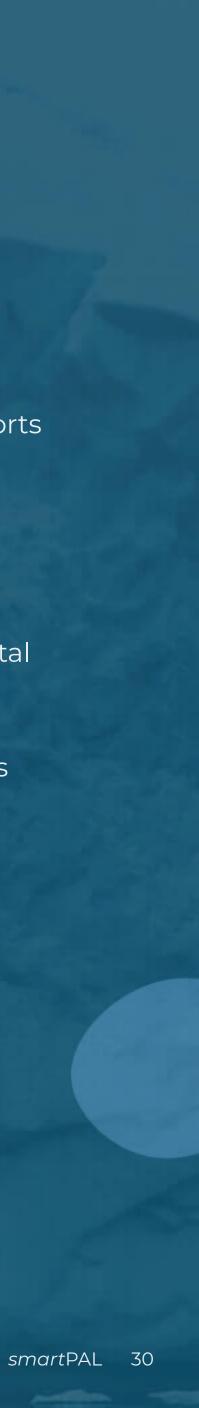
*smartOps* is an advanced fleet performance analytics platform that supports the optimization of vessel operations

- Utilize data reported through a state-of-the-art vessel application, telemetry data recorded directly from sensors, as well as position and weather data. Vessels are benchmarked against their own tailored digital twin, with results delivered in a clear and user-friendly manner
- Manage decarbonization, while enabling cost and reliability efficiencies through predictive and proactive insights transparently,

ashore, and onboard



Speed



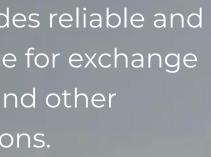


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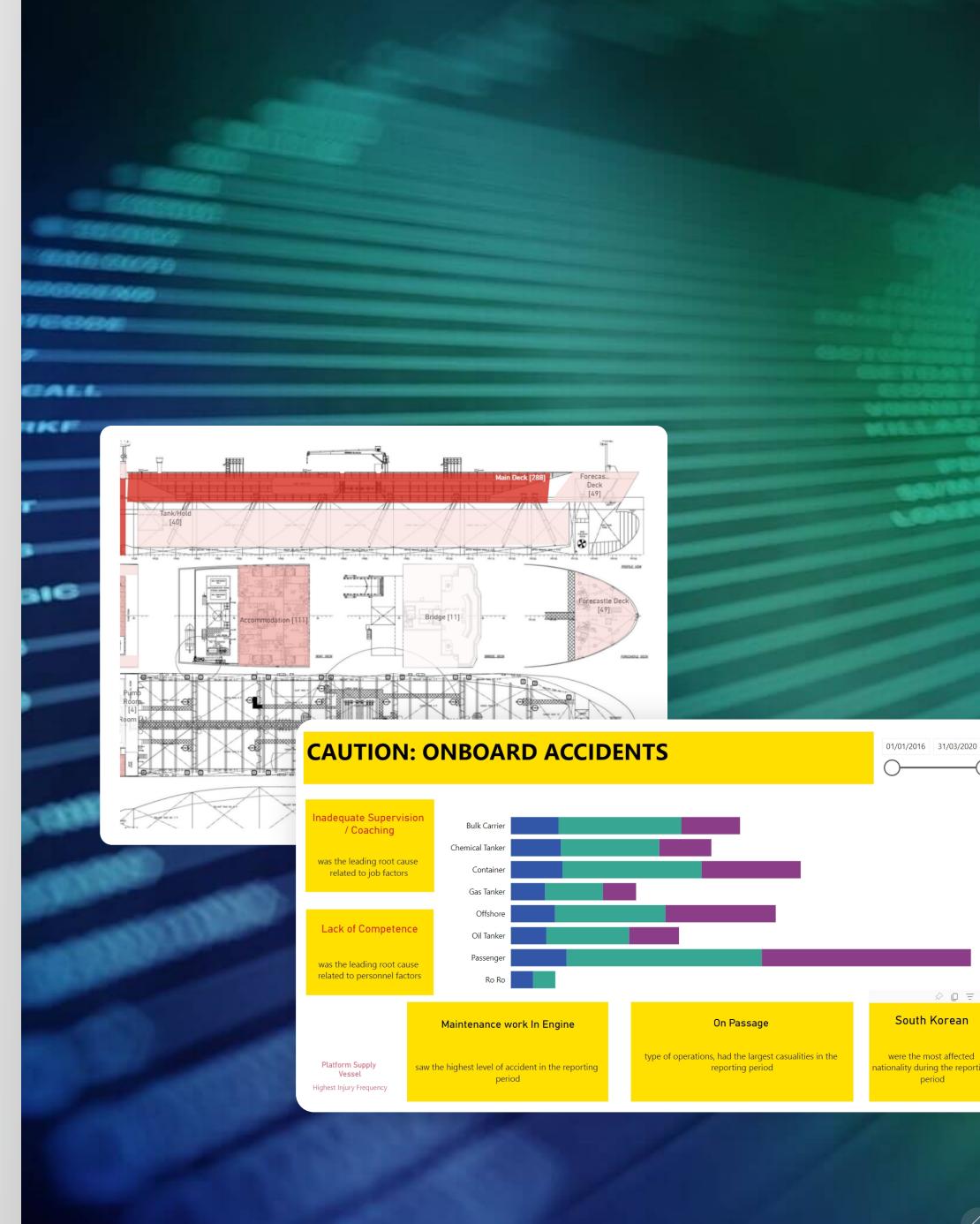
eConnect is a web-based, end-to-end e-commerce solution that provides reliable and efficient processing of transactions. eConnect features a direct interface for exchange of goods and services which can be integrated with external systems and other *smart*PAL modules, enabling seamless data flow throughout transactions.

- Update vendor profile
- Exchange quotations and PO budgets
- Goods received and invoices with vendor sets
- Alerts and notifications on information exchanges
- Export and import data through excel budgets
- Feasible integration with logistics solutions, warehouses, and forwarders budgets
- Flexibility in data exchange format budgets
- Improve communication, performance, and process efficiency budgets









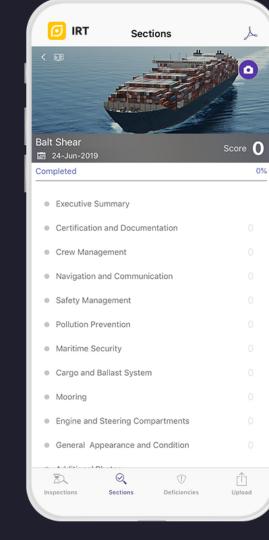
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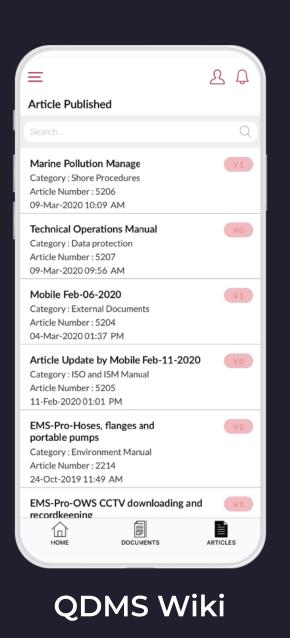
An advanced business analytics tool for visualization of data. BI simplifies and analyzes a large amount of data derived from other *smart*PAL modules. Create business insights with customizable and interactive dashboards and reports for efficient decision-making. BI provides comprehensive reports, charts, and graphs of complex data, easily accessible from the web and/or mobile devices.

- Provides snapshots on valuable information and data from multiple sources
- Monitor vessels for individual offices with a drill down function
- Study variance in cost and related factors with office to vessel level analysis
- Monitor fleet-wide performance
- Navigate through *smart* PAL system from reports





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😑 😚 Inventory

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Incoming

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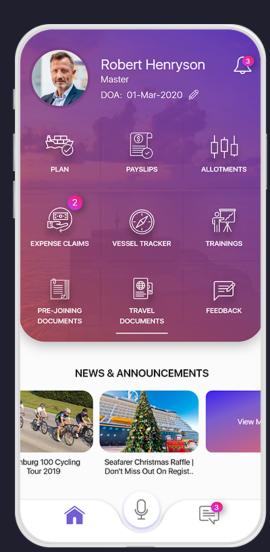
Vork Order Spar Consumption

Inventory

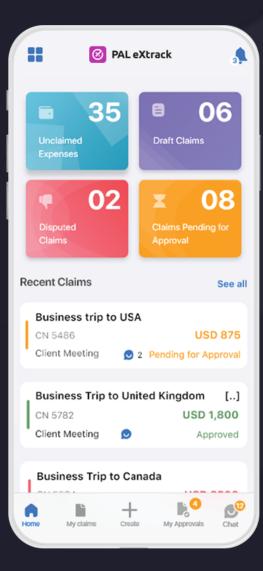
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Consumed

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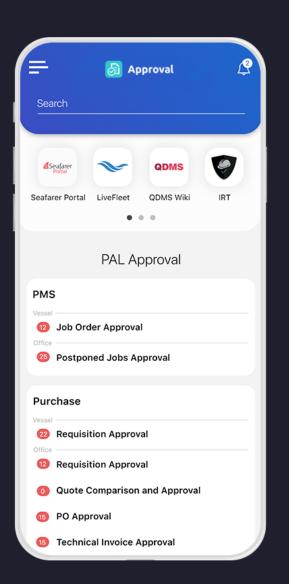


#### **Seafarer Portal**

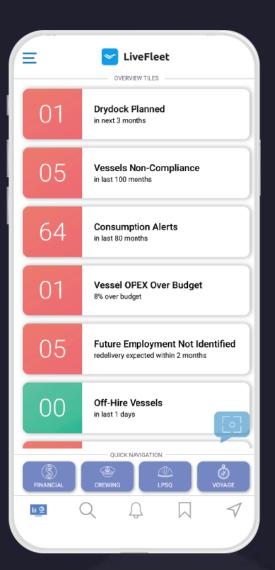


#### PAL eXtrack

# Apps Mobile

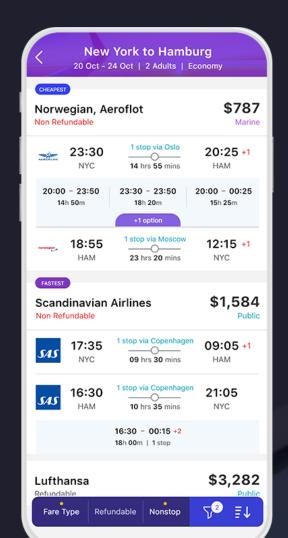


Approval

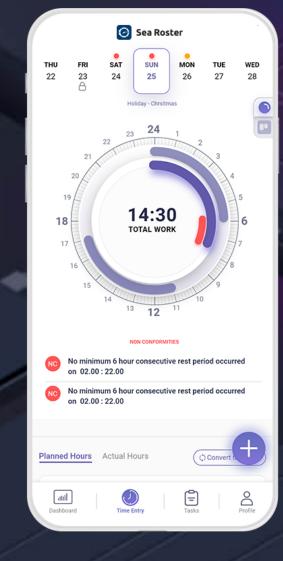


#### LiveFleet

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	Search Category, Ch	necklist
Search		Q
Most Releva	ont <sup>(18)</sup> Draft	Submitted
Environm	ent policy Checkl	ist 1.0
Category:	Environmental Policy	13-Jun-2022 1
Bulletin c	hecklist	1
Category:	Environmental Compliance Bulletins	30-Mar-2022
Check po	licy	1
Category:	Occupational health safety and environmental policy	11-Mar-2022 1
CCTV is b	ig brother	1
Category:	Environmental	09-Mar-2022 11:54
bull tens		1
Category:	Environmental Compliance Bulletins	08-Mar-2022 21:58
pollution	pays - not	1
Category:	Environment Manual	08-Mar-2022 1



### Ticketing



Checklist

### Sea Roster

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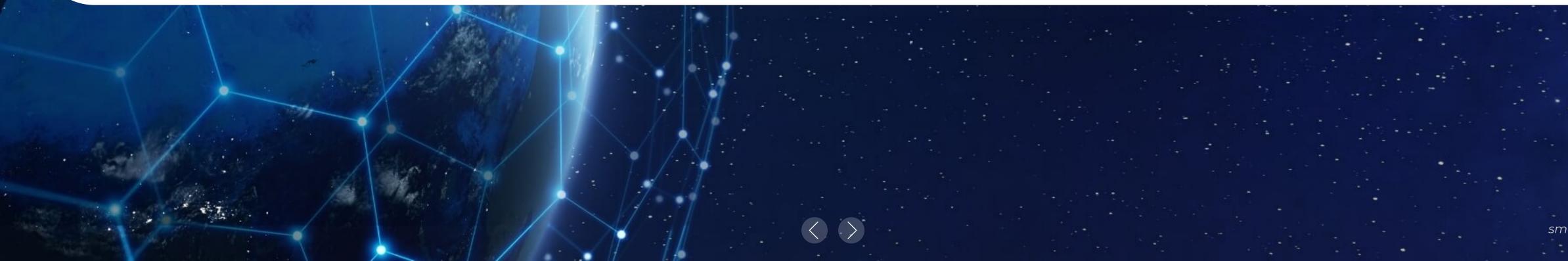






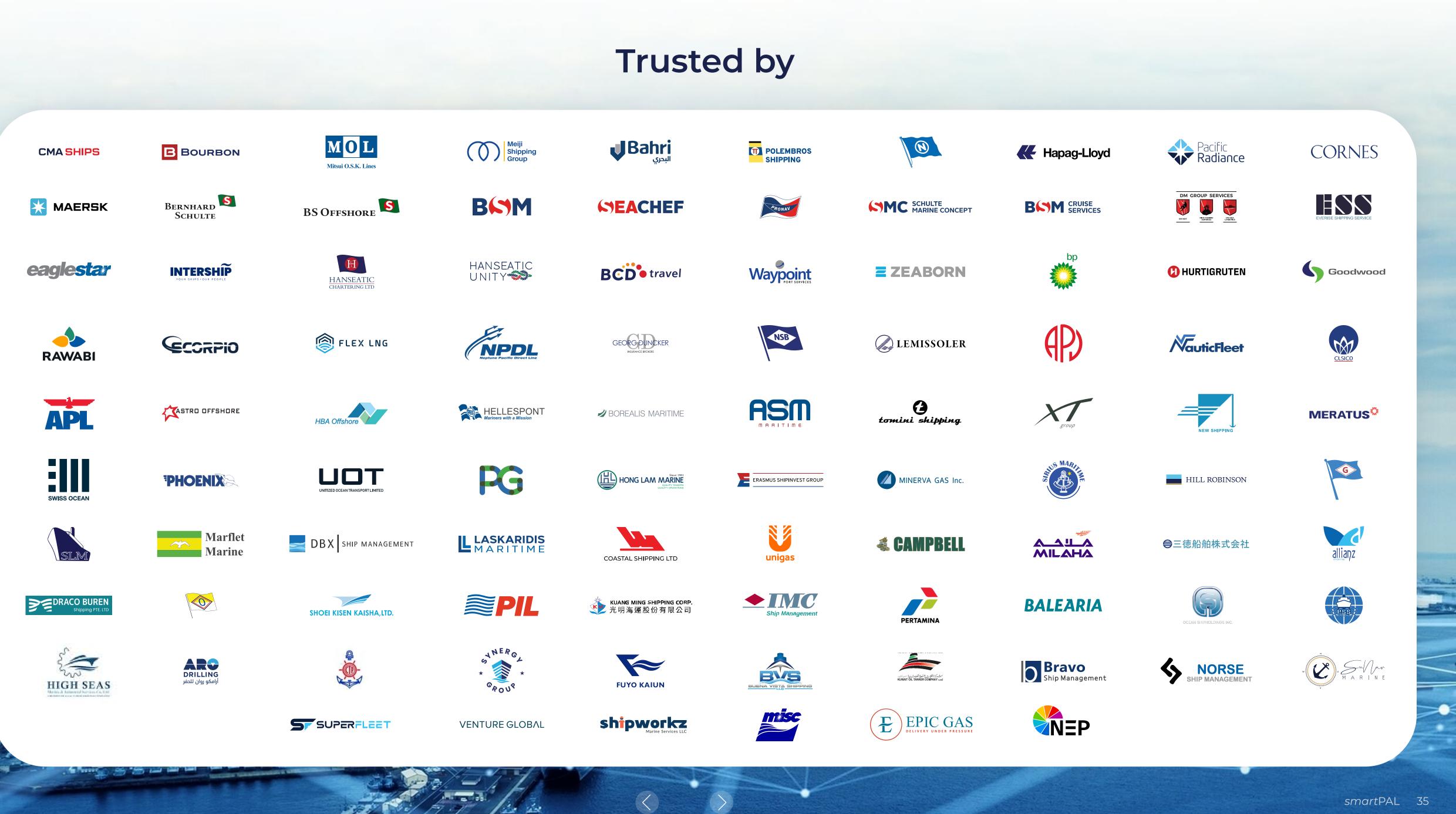












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