BONGS ERP

VESSEL/BARGE OPERATION NETWORK & GLOBAL SOLUTION (BONGS)

One Platform. Total Control. Smarter Decisions Across Marine Vessels and Onshore Operations.

Driving Operational Excellence, Cost Reduction, Enhanced Decision Making and Ensuring Customer Satisfaction

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INTRODUCTION

BONGS (Vessel/ Barge Operation Network & Global Solution), ERP is an integrated platform for offshore and onshore operations. It integrate **asset integrity mangement**, **end-to-end inventory management** and **procurement workflow**, **crew accommodation management**, and tracks **clinic visitation.**
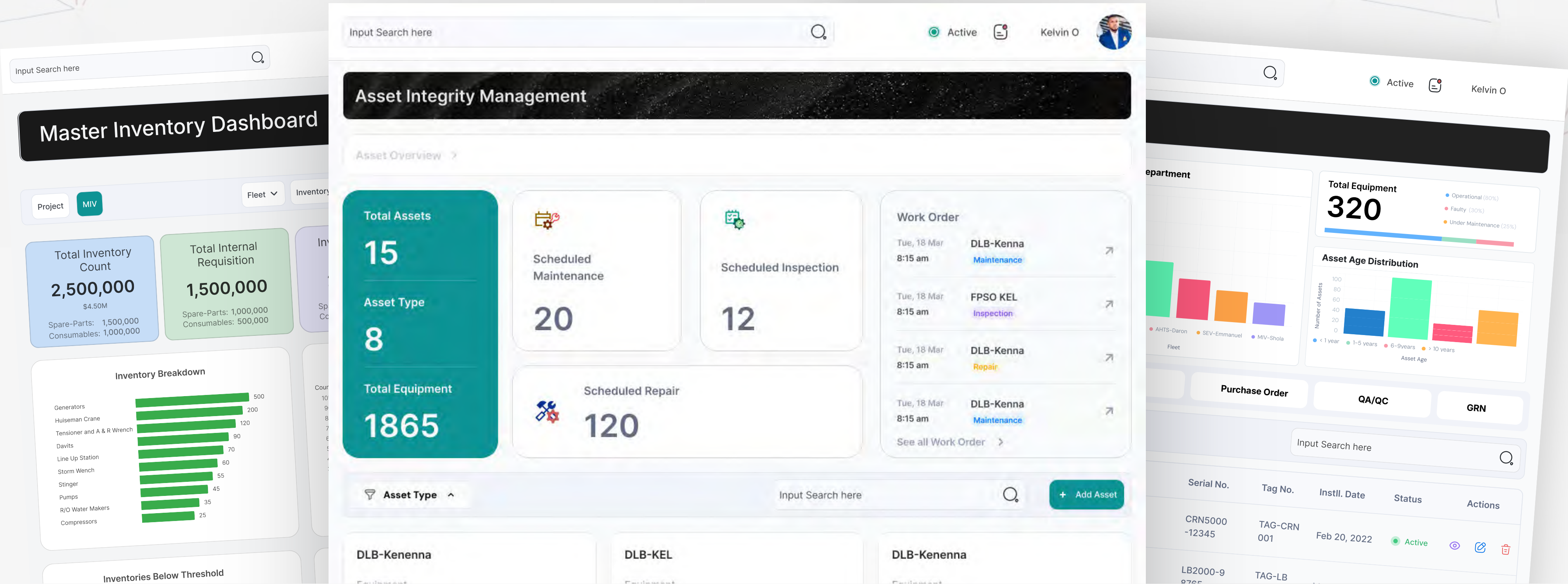
Prevailing Challenges in Asset Integrity Management.

- Disjointed asset register and lifecycle tracking

- No real-time condition monitoring or alerts

- Lack of seamless integration with inventory management and procurement workflow

- No real-time visibility into AIM and inventory stock levels and usage

- No automated alerts for reorder or threshold breaches

- Manual RFQ and approval workflows with no system notifications

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Asset Integrity Management

The Asset Integrity Management (AIM) module within BONGS ERP is purpose-built to safeguard offshore and onshore infrastructure. It empowers operators with intelligent tools for asset registration, condition-based inspections, preventive maintenance, repair workflows, and daily operational visibility. All in one connected platform.

Together with other integrated modules, AIM helps operators and service companies streamline field operations, minimize downtime, and maintain regulatory compliance, while optimizing cost and asset performance across the most demanding environments.

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Asset Integrirt Management

- **Asset Registration and Categorization**
  Easily register and organize assets by type, location, and function for better visibility.

- **Equipment Management**
  Track individual equipment, including running hours and key operational data

- **IMR (Inspection, Maintenance, and Repair) Scheduling**
  Plan inspections, maintenance, and repairs using time- or activity-based triggers.

- **Work Order Management**
  Create, assign, and track work orders with access to history and reports.

- **Document and Media Uploads**
  Upload manuals, certificates, and images for quick reference and compliance.

- **Activity and History Logs**
  Maintain a clear audit trail of all maintenance and inspection events.

- **In-Service/Out-of-Service Planning**
  Mark equipment status during IMR to align with operational schedules.

- **Third-Party Integration**
  Assign tasks to external vendors and monitor execution within the system.

- **Compliance and Certification Tracking**
  Track document expiries and stay compliant with industry standards.

- **Improved Decision Support**
  Access structured data to plan better, reduce failures, and extend asset life.
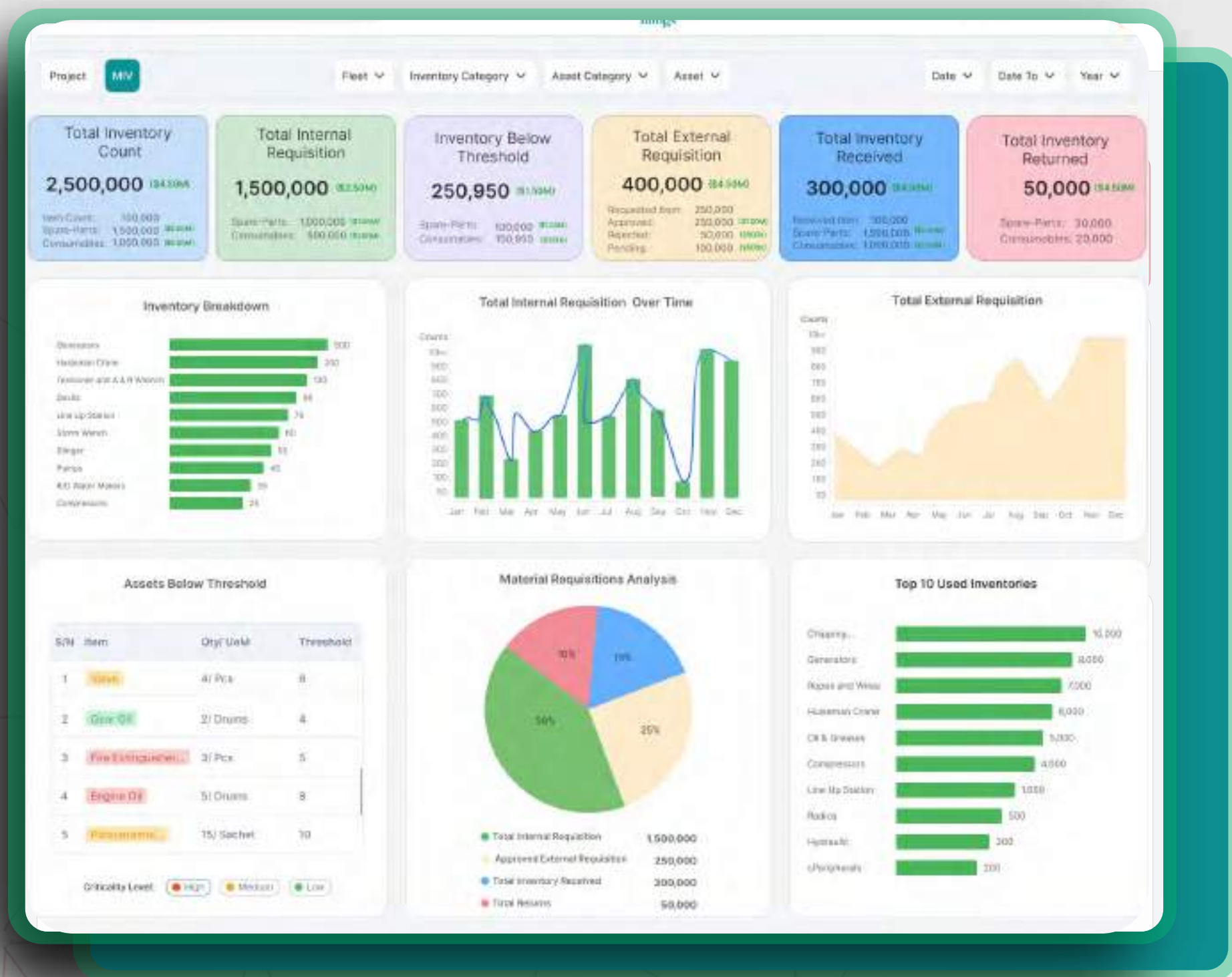
OTHER MODULES

Here's an overview of our core operational modules.

1. End to End Inventory Management
2. Procurement Workflow
3. Accommodation Management
4. Clinical Visitation Tracker

These software modules are built to drive **operational excellence** by eliminating inefficiencies, **reducing downtime**, and **accelerating workflows** across critical functions. **Powered by AI**, **machine learning**, and **predictive analytics**, they leverage real-time data and automation to deliver intelligent forecasting, smarter decision-making, and proactive risk mitigation. The result is measurable **cost savings, improved regulatory compliance**, and optimized **resource allocation** across the entire operation.

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End-to-end Inventory Management

FEATURES

- **AI-Powered Forecasting & Stock Optimization**

  Leverage machine learning to anticipate usage patterns, suggest optimal reorder points, and reduce the risk of overstocking or critical shortages.

- **Real-Time Visibility with Interactive Dashboards**

  Monitor inventory levels, part movements, consumption trends, and restocking cycles through dynamic dashboards and KPI metrics for proactive decision-making.

- **Master Inventory Database**

  Maintain a centralized, structured database of all stock items eliminating duplication, improving traceability, and standardizing item categorization across assets and locations.

- **Internal & External Requisition Management**

  Manage and track inventory requests from both internal departments and external project teams, with clear approval workflows and audit trails.

- **Automated Threshold Alerts & Notifications**

  Receive instant alerts when items approach critical levels or expiry dates, ensuring timely reordering and regulatory compliance.

- **Seamless Integration with Core Modules**

  Fully integrated with Procurement, Asset Integrity, Accommodation, and Clinic modulesensuring that all stock movements and requisitions are synchronized across departments.

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Procurement Workflow

Accelerated Procurement Cycle with FullTraceability

Users can raise requisitions, send RFQs, and complete POs in one streamlined, audit-ready workflow.

Real-Time Visibility for Stakeholders

Operators and stakeholders track every procurement stage—RFQs, approvals, deliveries—via live, role-based dashboards.

Error-Free Approvals with Smart Notifications

Users can raise requisitions, send RFQs, and complete POs in one streamlined, audit-ready workflow.

Real-Time Visibility for Stakeholders

Built-in alerts and approval routing reduce delays, ensure compliance, and eliminate lost or forgotten requests.

Vendor Quality Control Tied to Deliverables

QA/QC documentation is reviewed and approved within the system before any inventory or financial acceptance.

Seamless Integration with Inventory and Cost Control

Received items automatically update inventory; budgets are tracked against procurement activity in real time.

![DP Analytics Solution logo]

Symbol of Excellence

Accomodation Management

Room Assignment and Management

Automates the process of assigning rooms to crew members based on availability, hierarchy, or custom rules.

Tracking and Real-Time Insights

Provides live updates on room occupancy, crew movements, and availability..

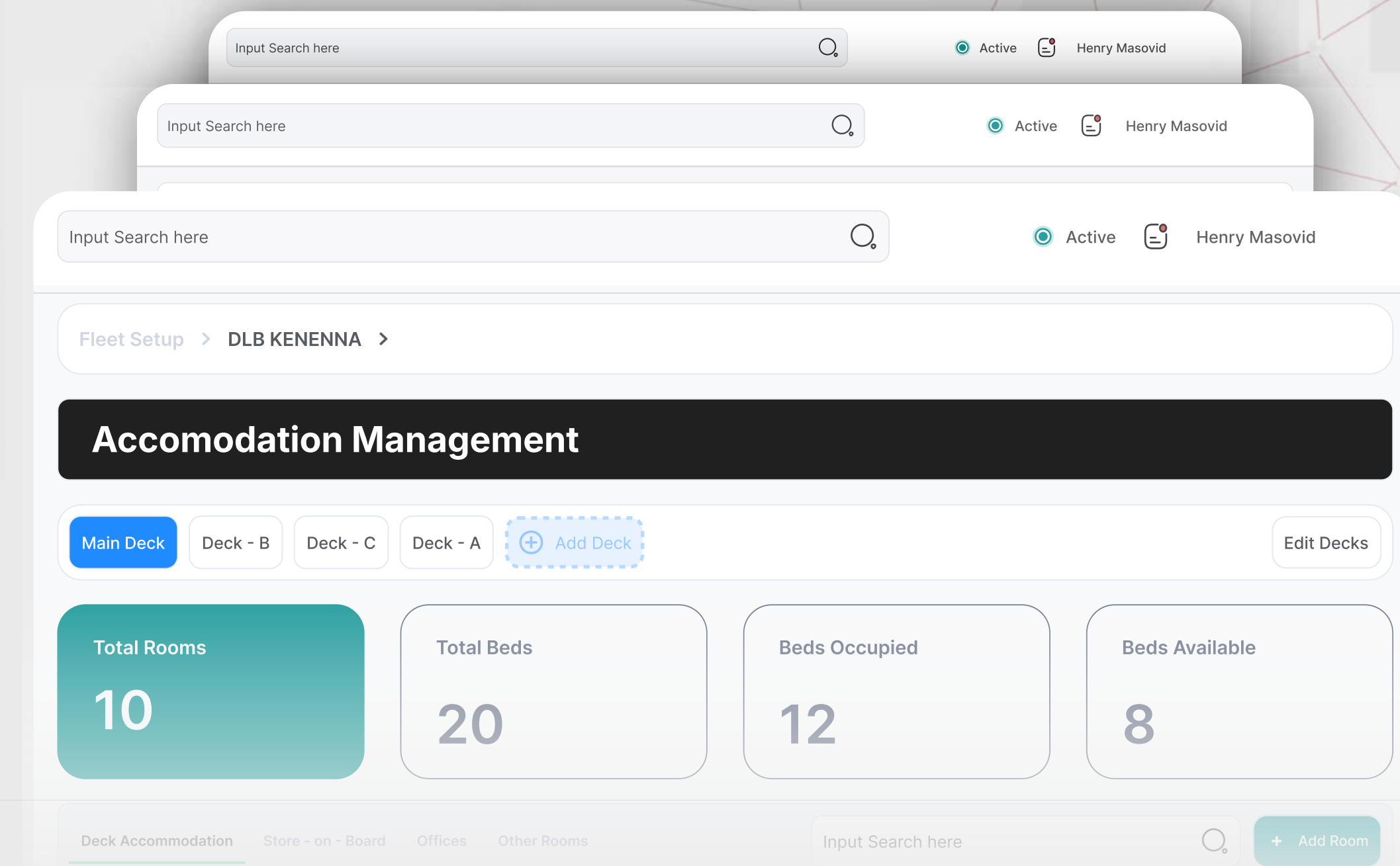## Notifications and Stay Monitoring

Alerts for room assignments, check-in/out, and maintenance to ensure readiness.

Resource Allocation and Optimization

Prevents overbooking and underutilization of accommodations.

Reporting & Analytics

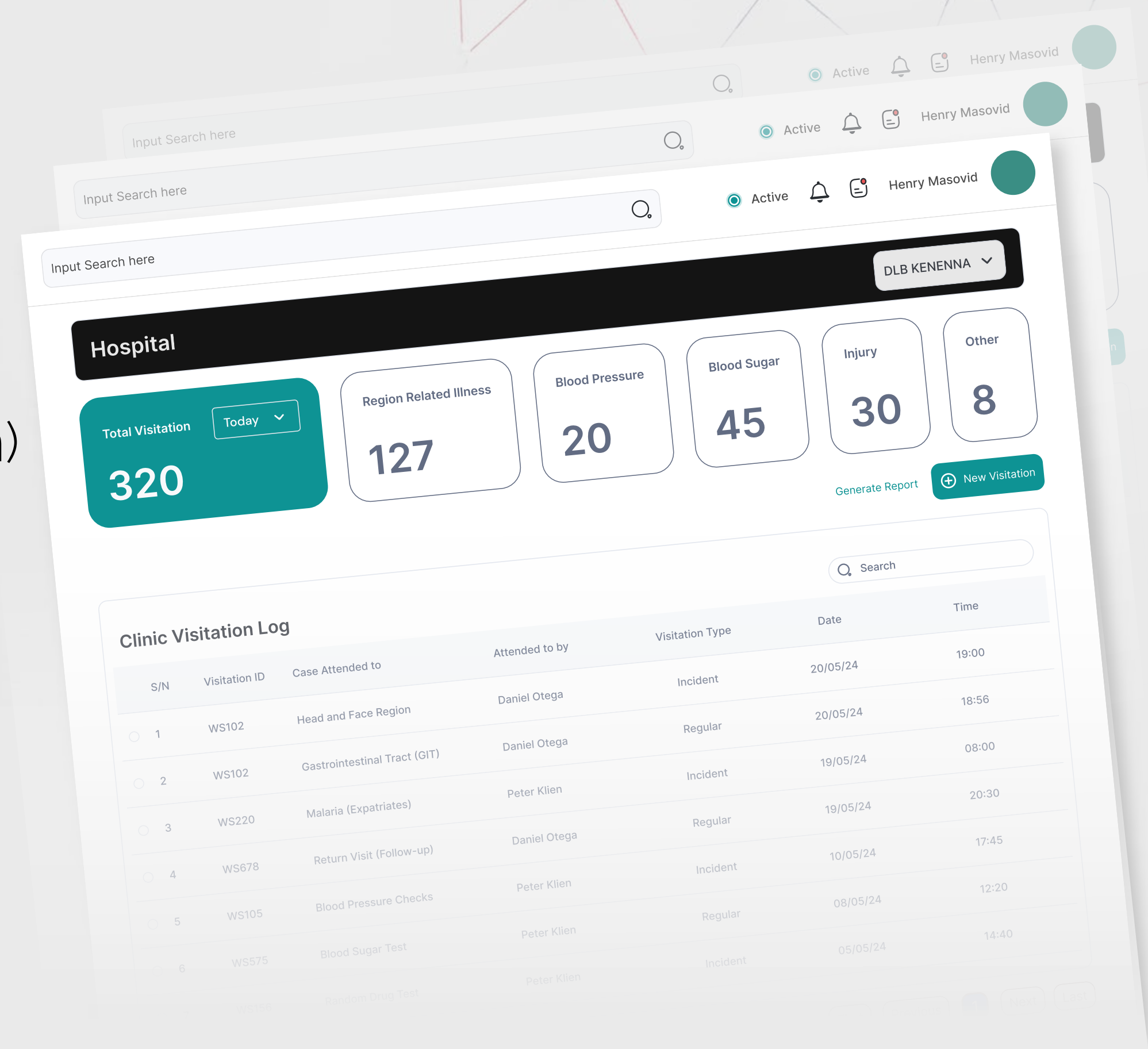Track occupancy rates, regarding availability or unavailability.

Input Search here   Active   Henry Masovid

Input Search here   Active   Henry Masovid

Input Search here   Active   Henry Masovid

Fleet Setup > DLB KENENNA >

Accomodation Management

Main Deck   Deck - B   Deck - C   Deck - A   ⊕ Add Deck   Edit Decks

Total Rooms	Total Beds	Beds Occupied	Beds Available
10	20	12	8

Deck Accommodation   Store - on - Board   Offices   Other Rooms   Input Search here   + Add Room

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Clinic Visitation Module

Integrated Healthcare Management for Marine Crews

- Log Routine Visits, Injuries, and Incidents
- Drug & Consumable Tracking (linked to Inventory)
- Room-Level Patient Identification (via Accommodation)
- Automatic Restocking Alerts to Procurement
- HSE Reporting Engine with Real-Time Filtering

Enables real-time decision-making on crew health, reduces inventory waste, and ensures full audit trail of medical activity.

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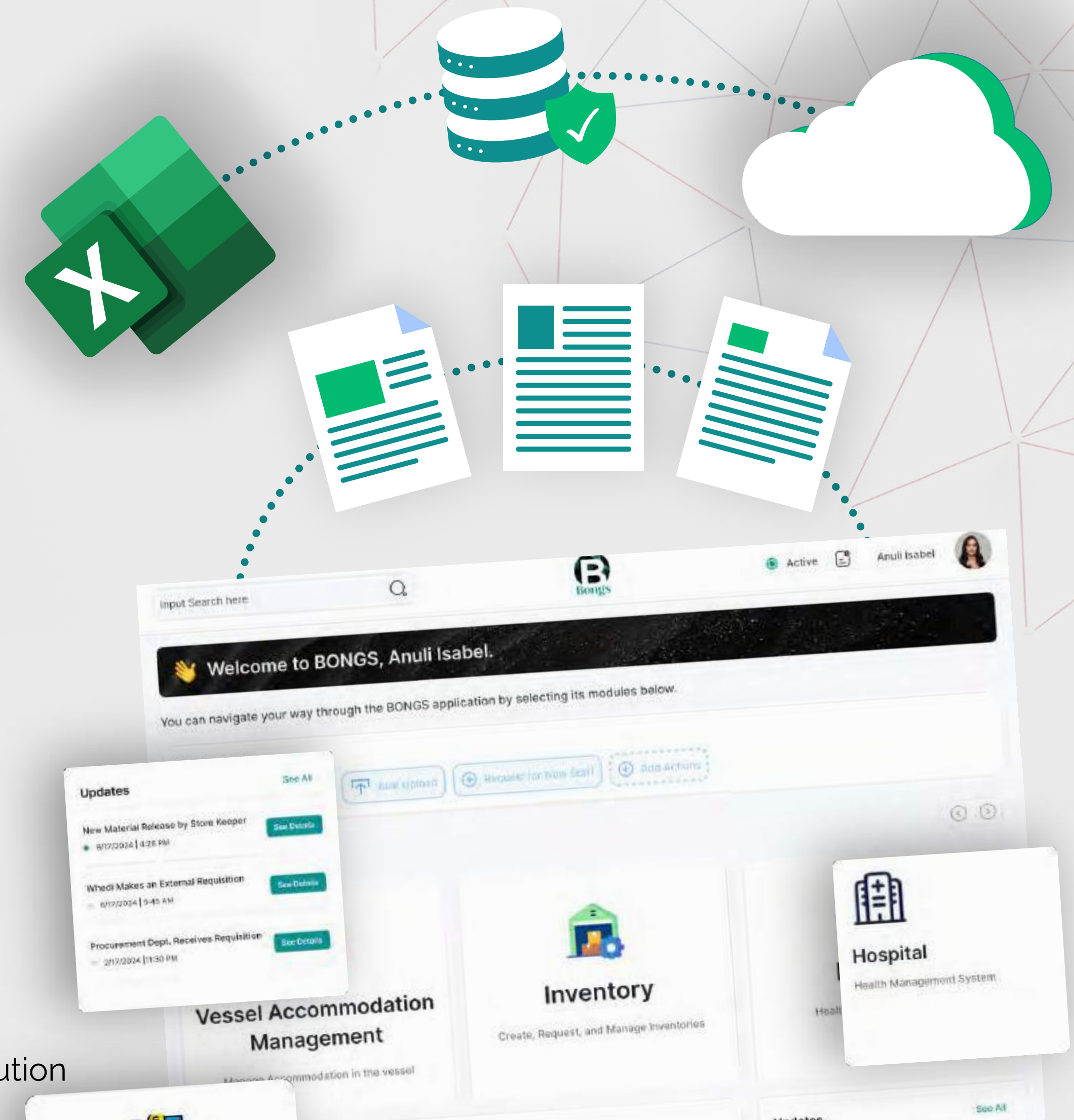
Cross-Platform Data Migration & Support

Smooth Migration from Excel, Legacy Systems & External Databases
Cloud-Enabled & On-Premise Deployments
API Support for 3rd Party Integration
Dedicated Onboarding & 24/7 Technical Support

Minimal disruption. Maximum continuity.

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FEATURES

Managing Multiple Fleet

FPSO-Alpha
Crude oil storage capacity of 1-2 million barrels, with topside processing handling up to 200,000 barrels per day (bpd).

Falcon-Land Rig
Lagos, Nigeria
Specialized vessel designed for offshore pipeline installation and crew accommodation, supporting construction and maintenance

AHT-Fearless
Port-Harcourt, Nigeria
Crude oil storage capacity of 1-2 million barrels, with topside processing handling up to 200,000 barrels per day (bpd).

Platform Rig
An oil platfrom is a large structure facilities to extract and process petroleum and natural gas that lie in rock formations beneath the seabed.

DLB KENENNA
Lagos, Nigeria
Specialized vessel designed for offshore pipeline installation and crew accommodation, supporting construction and maintenance

PSV - Jack Bauer
Van Gogh, Austriallia
Crude oil storage capacity of 1-2 million barrels, with topside processing handling up to 200,000 barrels per day (bpd).

VESSEL TYPES AND THEIR PRIMARY FUNCTIONS

S/N	VESSEL TYPE	ACRONYM	PRIMARY FUNCTION
1.	Pipe-Laying Vessels	PLV	Used for laying subsea pipelines in offshore oil and gas projects
2.	Pipe-Laying Barge	PLB	Installs subsea pipelines for oil and gas transportation, equipped with welding stations and tensioners
3.	Platform Supply Vessel	PSV	Used for transporting essential supplies such as drilling fluids, equipment, and provisions to offshore platforms.
4.	Accommodation Construction Crane	ACC	Provides living quarters, crane operations, and construction support for offshore projects.
5.	Diving Support Vessel	DSV	Supports underwater construction, inspections, and maintenance using diving bells and saturation diving systems
6.	Anchor Handling Tug Vessel	AHTV	Handles anchors and tows floating rigs and platforms, assisting in positioning and mooring operations.
7.	Crew Work Boat	CW-B	Transports crew members, supplies, and light cargo between offshore installations and shore.

VESSEL TYPES AND THEIR PRIMARY FUNCTIONS (CONT'D)

S/N	VESSEL TYPE	ACRONYM	PRIMARY FUNCTION
8.	Fast Supply Intervention Vessel	FSIV	High-speed vessel used for rapid supply delivery, emergency response, and offshore crew transportation
9.	Multi-Purpose Tug and Platform Vessel	MPTV	Performs towing, anchor handling, platform support, and general offshore logistics.
10	Subsea Construction Vessel	SCV	Handles subsea infrastructure installation, including manifolds, flowlines, and ROV-supported operations.
11.	Survey Vessel Platform	SPV	Provides living quarters, crane operations, and construction support for offshore projects.

Our software is dynamic, scalable, and compatible with diverse fleet types—supporting operations across offshore barges, vessels, rigs, and platforms.

CONCLUSION

BONGS ERP centralizes asset integrity, inventory, procurement, accommodation, and clinic tracking into one intelligent, real-time platform.
Built for oil & gas and maritime operations, it delivers full lifecycle visibility, streamlines workflows, and reduces costs.
From rigs and vessels to flow stations, BONGS ERP transforms operational complexity into clarity, empowering your team to operate smarter, respond faster, and scale with confidence.
To get started, contact us or book a demo at

https://dpanalyticsolution.com/book-a-demo/
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Thank You!

Visit **www.dpanalyticsolution.com**

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