# innovez-one

The leading provider of maritime software solutions

Our proprietary port management software: **marine** Reshaping Marine Services

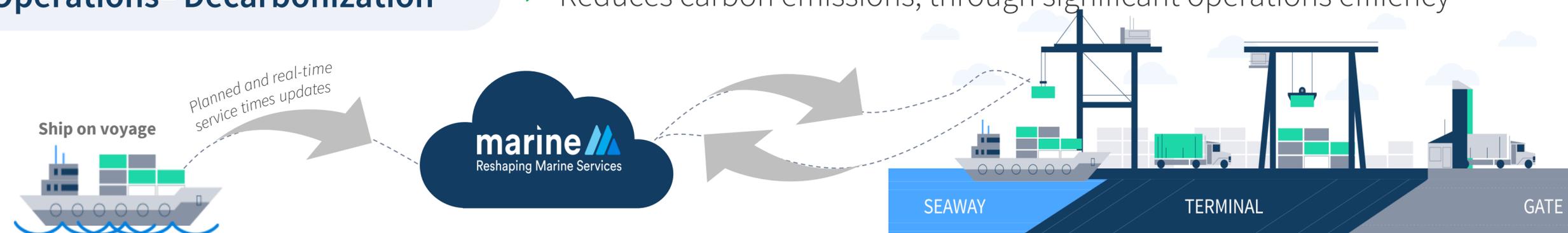**Innovez One Vision**

Supercharge maritime ports through digital intelligence, automation, and global connectivity—accelerating the movement of goods and setting new standards for efficient, transparent, and sustainable transport.
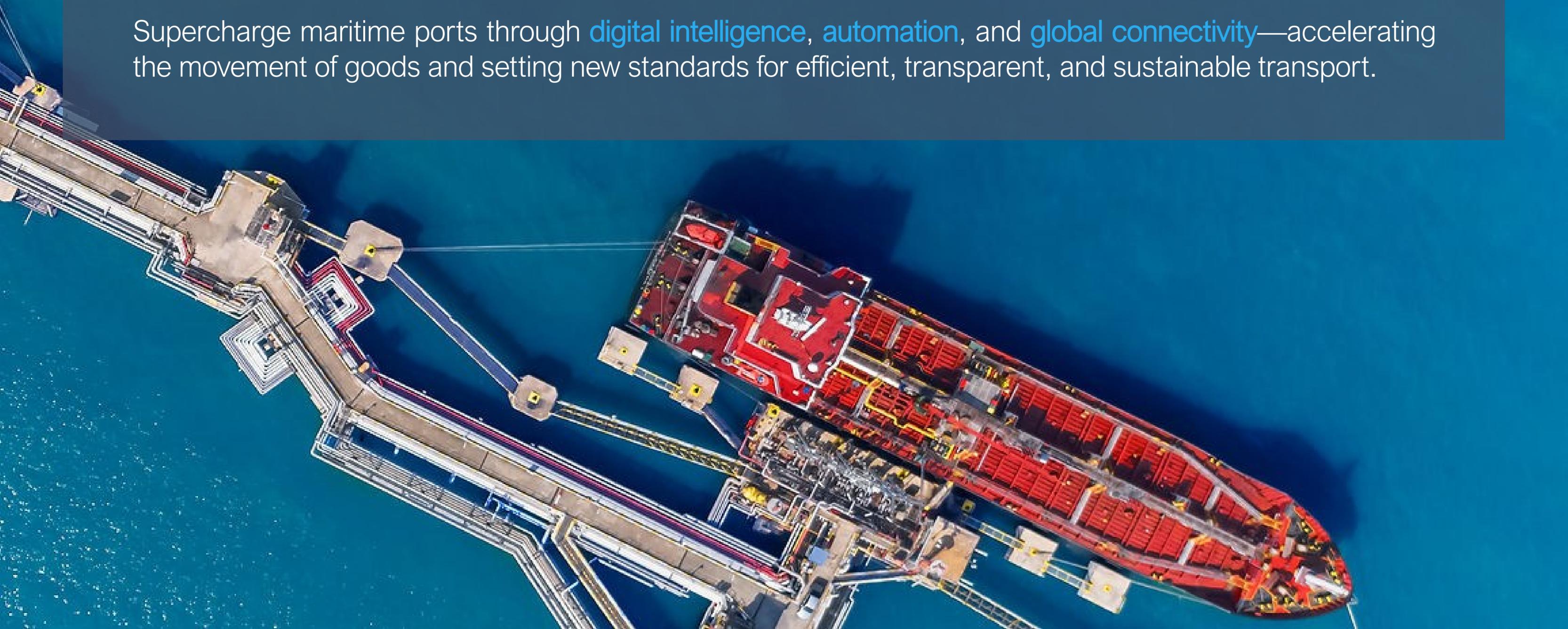
Benefits of MarineM Platform

Transforming Global Port Operations with A.I.

Revenue Assurance with Cost Savings

✓ Reduce waste and fuel, streamlines accurate billing processes

Driving Operational Efficiency

✓ Optimize operations, enhance utilization of assets for max productivity i.e. timeliness for arrival, reduction of vessel idle times, on-time pilotage

Lowers Fuel Consumption

✓ A.I. based efficient tug assignment, reduces overall time and fuel.

Unmatched Global Visibility

✓ Real-time insights of local / global operations, utilization ratios, financials

Maximize Port Capacity

✓ Optimized ship turnaround times, enhances port throughput

Sustainability Operations– Decarbonization

✓ Reduces carbon emissions, through significant operations effiiency

Planned and real-time service times updates

Ship on voyage

marine
Reshaping Marine Services

SEAWAY   TERMINAL   GATE

Pressing **Problems** in Maritime Ports Today

A complex chain to support vessel arrivals

| Ship arrives at Boarding Ground at Service Requested Time | → | Pilot boat takes pilot to board Ship at Boarding Ground | → | Pilot climbs aboard Ship to pilot it through outer port to tug pick-up point | → | Tug master(s) takes over at pick-up point | → | Tug operations to berth ship | → | Ship berthed and cranes can unload cargo to yard |

Internal Operational Challenges

- Multi-logistics – assigning suitable pilots, tugs, pilot boats & cars for each job
- Operational resource constraints – e.g. pilot suitability, optimum tug selection
- Delays in pilotage movements

External Operational Challenges

- Delays to vessels ETAs
- Environmental constraints, e.g. tidal, weather, berth limitations

A Domino Effect

- Cost impact: fuel, time loss
- Impact to next schedule windows
- Environmental impact: increased emissions due to idling

Pressing **Problems** in Maritime Ports Today

Billing Challenges

- Silo systems, even paper driven processes

- Inaccurate service details

- Service time disputes

- Complex billing rules

- Billing errors and delays

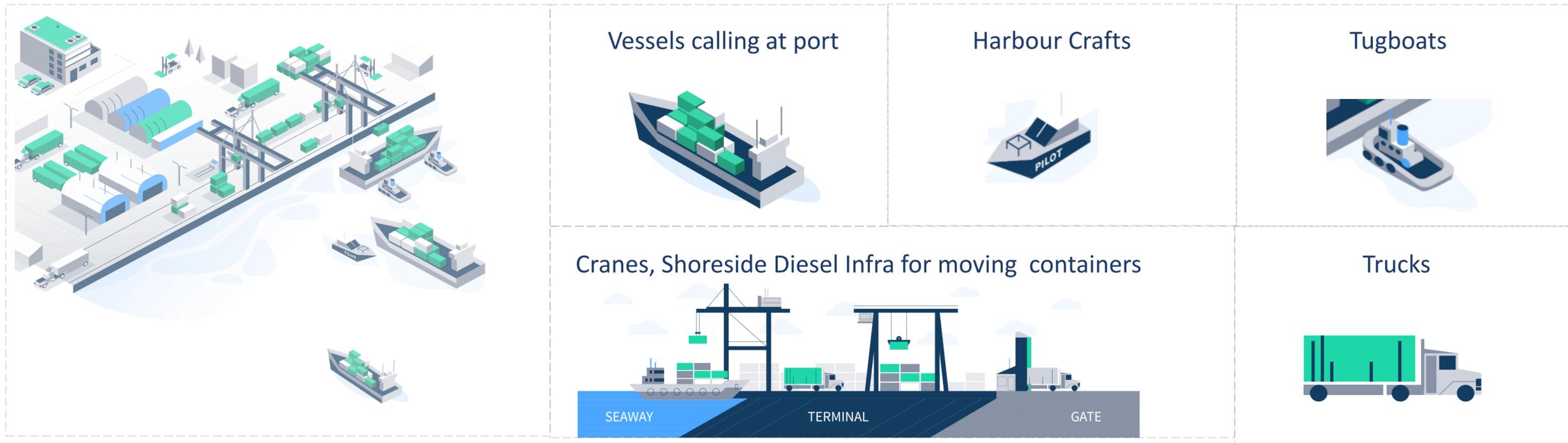Pilot sheets used by pilots in one of the largest port group in the UK

Environment **Problems** in Maritime Ports

- Transportation accounts for 24% of global CO2 emissions

(mainly transports of oil, gas, water, steam and other materials via pipelines)

Road (passenger)	Road (freight)	Aviation	Shipping
(Includes cars, motorcycles, buses and taxis)	(includes trucks and lorries)	(81% passenger, 19% freight)	
45.1%	29.4%	11.6%	10.6%

Rail 1%

Others 2.2%

- Port Emission Sources

Vessels calling at port

Harbour Crafts

Tugboats

Cranes, Shoreside Diesel Infra for moving containers

Trucks

SEAWAY TERMINAL GATE

About Innovez One

Leading global provider for mission-critical **Port Management Information System (PMIS) platform – marineM** for the world's busiest ports, pilot and towage operators.
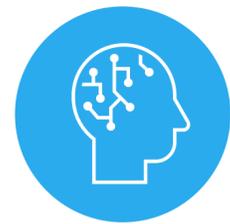
Over 2 decades in maritime digitalization, over 10 years R&D in A.I. optimization planning

Actively involved with International Port Call Optimization group to define standards. Member of International Harbour Master Association (**IHMA**) and United Kingdom Harbour Master Association (**UKHMA**) Located in **Singapore (HQ), Jakarta and London,** we are a trusted partner for ports of all sizes.

34,500
Port Calls

250
Pilots

70,000
Movements

185
Workboats

8
Countries

Introducing
MarineM
PMIS Suite

05
Marine Billing System

- Tariff Management
- Customer Management
- Auto-billing Engine
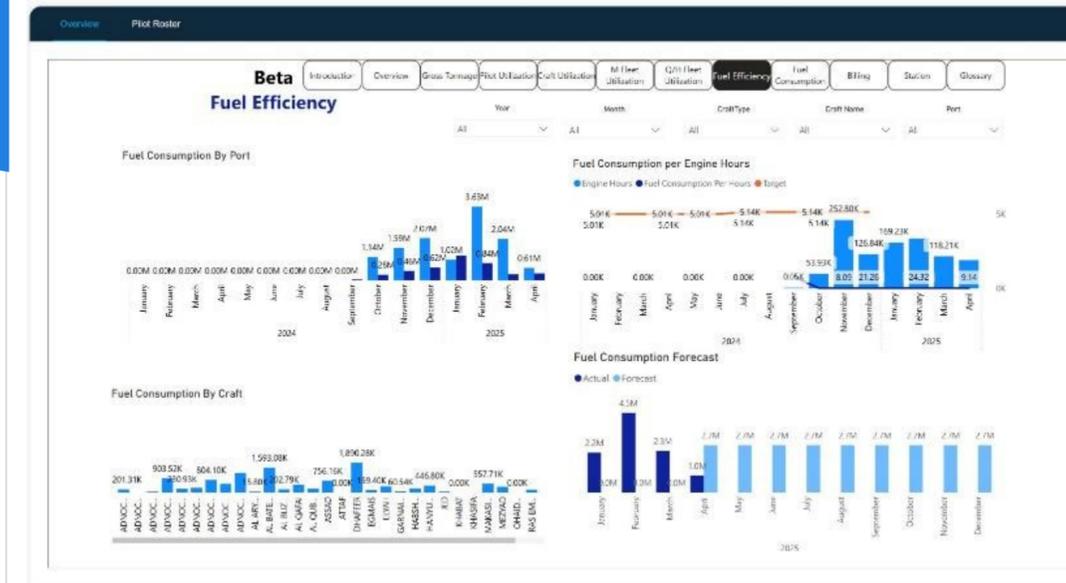- Billing Rule Management

06
Reporting System

- Reporting
- Power BI

07
Scalable Cloud Infrastructure

- Ability to deploy at scale across regions
- Auto-scaling mechanism per regional side
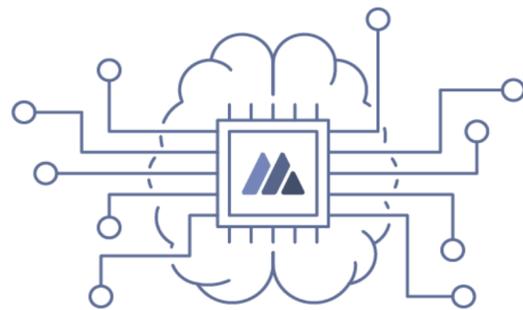- Zero downtime upgrades
- Multi region redundancy

The **Technology** behind MarineM

Artificial Intelligence	**+**	Enterprise & Mobility Software

Machine Learning Prediction Models

Pilotage   Towage   Movements estimation

Constraint based Scheduling

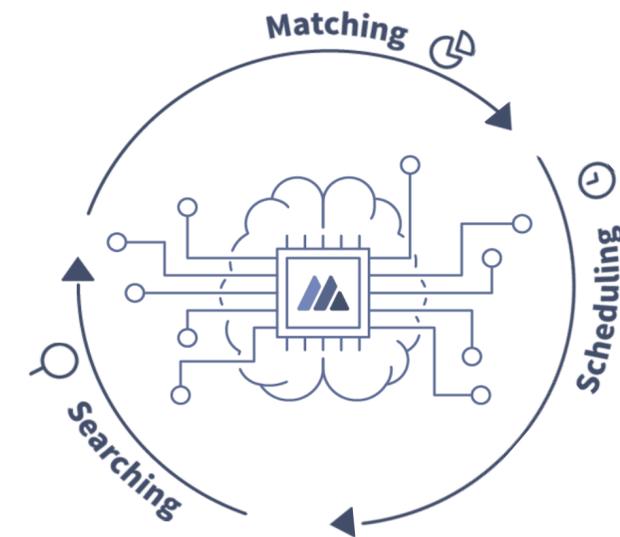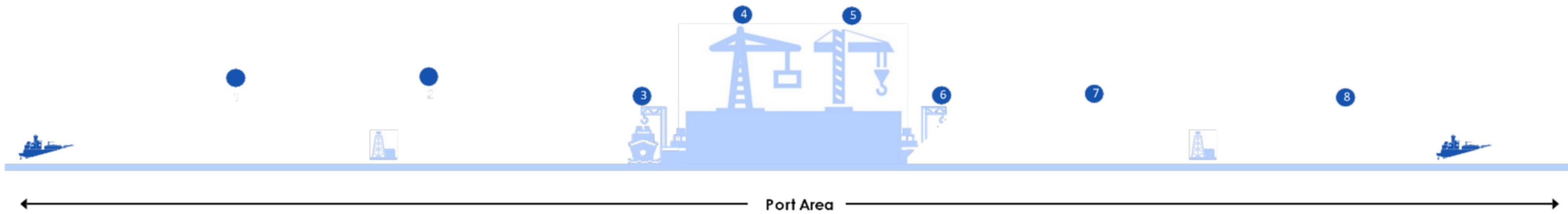| Scheduled Solution	Solver	Prediction Results
		Resource Constraints
		Env Constraints

AI-Based Marine Scheduling Engine for our Marine Job Planner:
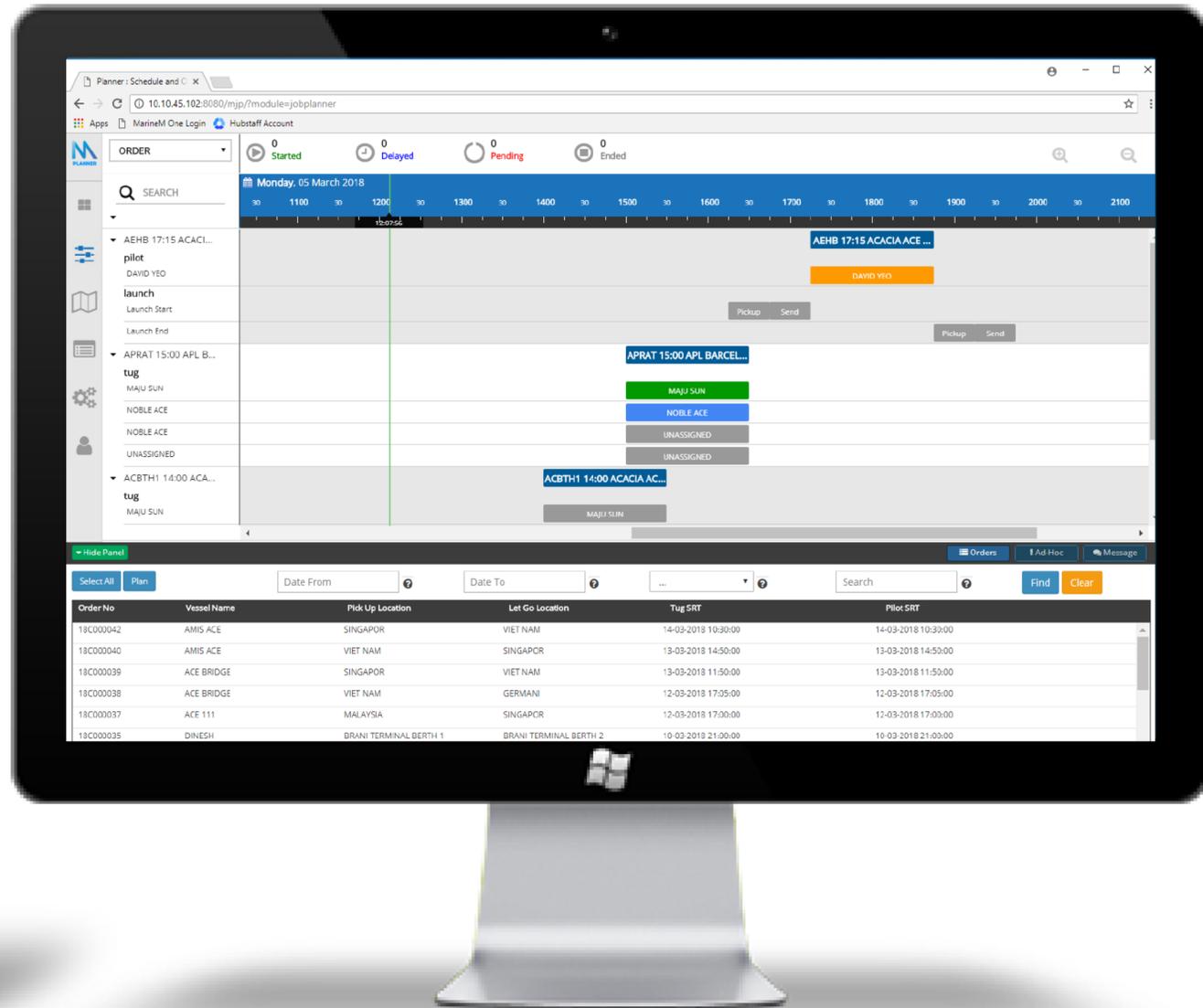

- Capable of considering a myriad of constraints:
  - Pilot, tugboat shifts and availability
  - Environmental conditions, e.g., tide, weather

- Optimise nautical service operations
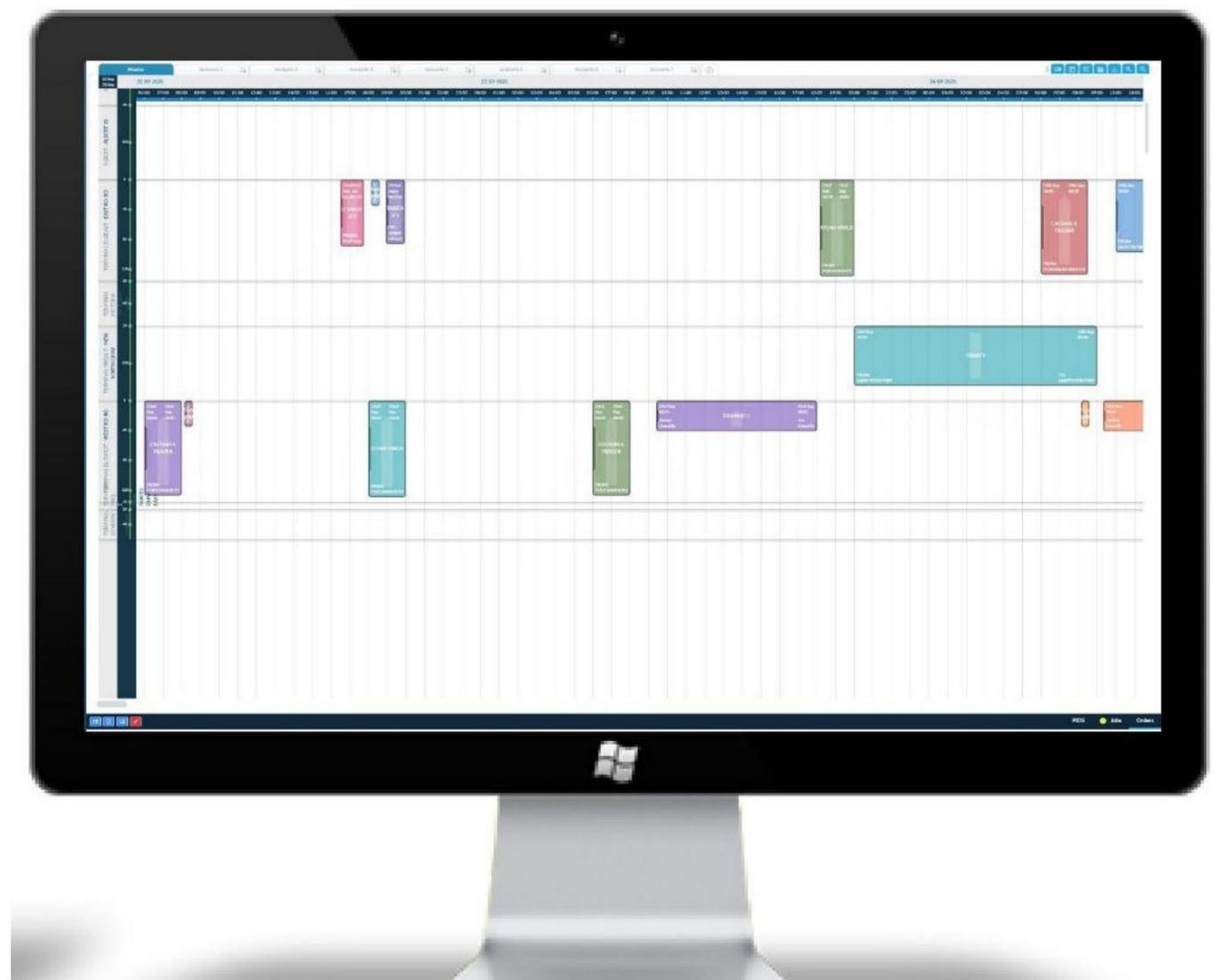
Port Call Operations Mapping

Port Area

1 Vessel Acceptance	Clearance In	Berthing and Mooring	Loading & Unloading	5 Bunkering	6 Clearance Out	7 Unberthing & Unmooring	8 Full Away
Agent Portal	Vessel Schedules	Berth Planner	Marine Services Planner		Terminal Advise	Marine Services Planner	Billing Manager
✓ Create Orders	✓ Manage Visit	✓ Allocate Berth	✓ Allocate Pilot			✓ Allocate Pilot	✓ Generates Bills
✓ Upload docs	✓ Approval Call	✓ Track Allocations	✓ Allocate Tugs			✓ Allocate Tugs	
✓ Live Ship DB	✓ Check Port Calls		✓ Allocate Mooring			✓ Allocate Mooring	
✓ ETA, ETD	✓ Approve Port Calls	Terminal Advise	✓ Allocate Loading Master		Cargo Manager	✓ Allocate LM	
✓ Cargo Declare	✓ Track Movements		✓ Allocate Rigger			✓ Allocate Rigger	
✓ Services Request			✓ Allocate Tailback Boat			✓ Allocate Tailback Boat	
			✓ Dispatch and Track			✓ Dispatch and Track	

Lowers Fuel Consumption

Products **Software**

Marine Services Planner

Berth Planner

PMIS Customers

JohorPort · PTP · أدنوك ADNOC · Portsmouth INTERNATIONAL Port · Port of CORK

PELINDO · PSA Marine · DPS Darussalam Pilotage Services Sdn Bhd · Keppel SMIT · PORTS OF JERSEY YOUR ISLAND GATEWAY

PQSH Excellence Through Safety

Optimization of marine services

Port Control · Optimize Planning

slow steaming for JIT arrival

PILOT ON BOARD
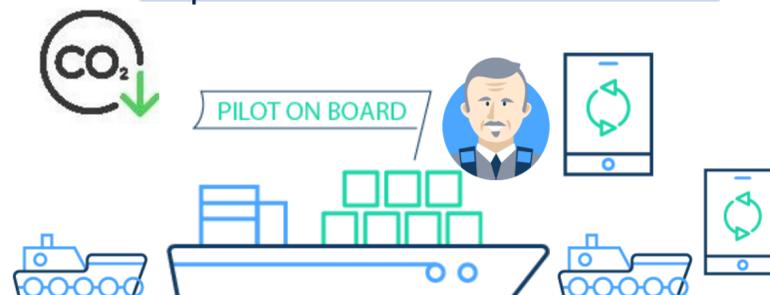
OCEAN · SEAWAY · TERMINAL · GATE

marine M

Use Case

How MarineM benefitted **Port of Tanjung Priok**, the 22nd busiest port in the world?

Reduced Waiting times:
2.4hrs to **30.6mins**

Optimised Use of Tug:

20% reduction in distance travelled

$ 500k pa fuel savings

$ 90k pa maintenance cost savings

Reduced Accidental Damage from Tug Misuse:

$150k pa

Pay Back from Installation:

6 months

- Owner Agents are happy with vastly **improved visibility** of berth availability.

- **WFH platform** enabled management to resume operation in face of Covid 19.

Currency in SGD

Products **Software**

- Anti Jamming/Spoofing
- AIS based Tracking
- Weather integration
- Movement Playback
- AI Driven

Vessel Tracking System

Recent **PMIS** Projects

ADNOC Logistics and Services
The maritime and logistics arm of the Abu Dhabi National Oil Company, providing integrated shipping, offshore, and port services to support the UAE's energy supply chain globally.

Deployed **marineM** PMIS for **4 Ports in UAE**
Supports Vessel Booking, A.I. based Planning and Dispatch, and Billing. Covers berth-jetty and SPM operations.

Using A.I. based scheduling, marineM reduces scheduling, and deployment time from 3 hours to 45 seconds per port call. Improved utilization over 20% and reduced fuel consumption and associated costs by over 20%

45s	**20%**	**20%**
Per Port Calls	Improved Utlisation	Cost Reduction

September 10, 2025   Abu Dhabi

ADNOC L&S Deploys Artificial Intelligence to Optimize UAE Petroleum Ports Operations

ADNOC L&S Deploys Artificial Intelligence to Optimize UAE Petroleum Ports Operations

AI-powered smart port solution developed by Innovez One reduces service sourcing time for vessels from 3 hours to 45 seconds

Solution set to save 3,000 hours annually

First-of-its-kind technology in the GCC increases jetty utilization by 20%, streamlining vessel turnaround

Abu Dhabi, UAE – September 10, 2025: ADNOC Logistics and Services, announced today it has deployed the first AI-powered Smart Port Solution in the GCC to optimize petroleum port operations. The solution streamlines resource allocation and enables real-time tracking of marine activities to improve operational efficiency, reduce costs, and enhances sustainability across ADNOC L&S's petroleum ports in the UAE.

The innovative solution, developed by Innovez One, a leading provider of a port management information system (PMIS), reduces vessel turnaround time by up to 90%, cutting service sourcing time from three hours to just 45 seconds. By saving 3,000 hours annually, the solution is expected to deliver $950,000 (AED3.5 million) in operational savings by 2028. The solution also increases jetty utilization by 20%, improving overall port efficiency, which is projected to deliver a 10% improvement in vessel management.

Captain Abdulkareem Al Masabi, CEO of ADNOC L&S, said: "The deployment of the smart port solution across our petroleum ports in the UAE, underscores our commitment to harnessing AI, as we continue to invest in innovation to optimize our operations and drive further value for our business and customers."

Recent **PMIS Projects**

Port of Tanjung Pelepas

Part of APM terminals, the **Port of Tanjung Pelepas (PTP)** is Malaysia's busiest transshipment hub, handling over **80 vessel movements daily** and processing more than **11.2 million TEUs annually**, making it one of the top 15 container ports globally.

Deployed marineM PMIS for **over 3 years**

Supports Agent Vessel Booking, A.I. based Planning and Dispatch, and Billing. Fully integrated to Malaysia's Single Maritime Window. Covers berth-jetty operations.

Using A.I. based scheduling, marineM enhances

scheduling efficiency for over 50 pilots, 10 tug boats and 5 pilot boats. The port handles more than 80 vessel movements in a single day.

Ports and Terminals , Smart Technologies and Digitalization , Supply Chain

Port Tanjung Pelepas turns to AI-powered management system

June 26, 2022

By Margherita Bruno

Press Coverage of Projects

ADNOC L&S Deploys Artificial Intelligence to Optimize UAE Petroleum Ports Operations

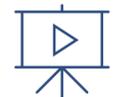https://adnocls.ae/en/news-and-media/press-releases/2025/smart-port#

Port of Cork deploys new AI-powered management system

https://www.rivieramm.com/news-content-hub/news-content-hub/port-of-cork-deploys-new-ai-powered-management-system-75468

Darussalam Pilotage Services moves to digital platform from Innovez One

https://smartmaritimenetwork.com/2022/08/19/darussalam-pilotage-services-moves-to-digital-platform-from-innovez-one/

https://www.youtube.com/watch?v=2OTH-YbCEc4

Innovez One to accelerate digitalisation of Johor Port with AI-powered system

https://www.porttechnology.org/news/innovez-one-to-accelerate-digitalisation-of-johor-port-with-ai-powered-system/

innovez·one

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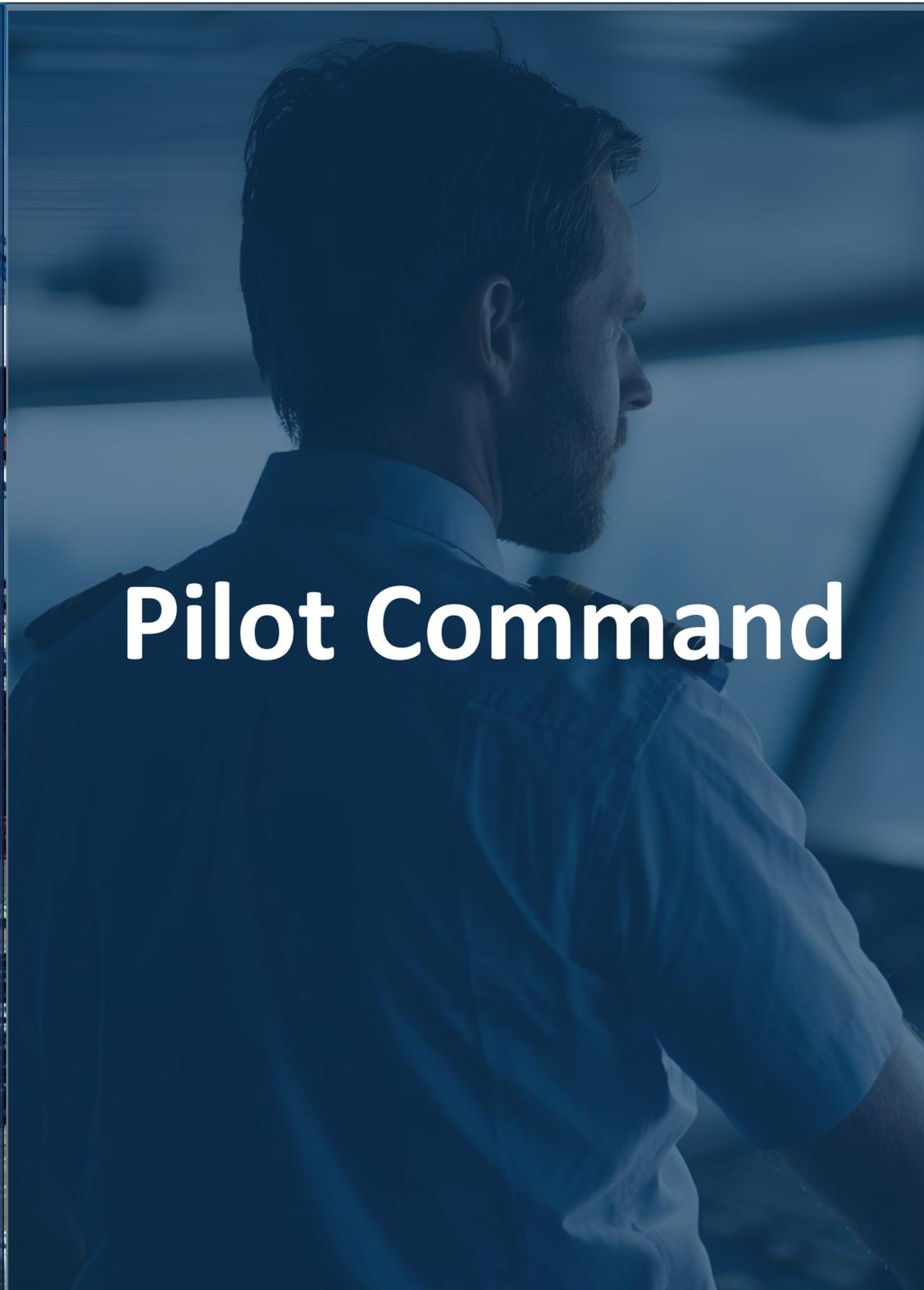Jakarta Selatan DKI Jakarta Raya 12790
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Products **Suite**

PMIS

Pilot Command

Tug Command