



DPCS
DJIBOUTI PORT COMMUNITY SYSTEMS



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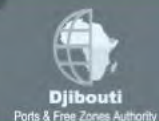
**DJIBOUTI
PORT COMMUNITY
SYSTEMS**



Djibouti's Strategic role



- ❖ Strategic gateway at the entrance of the Red Sea.
- ❖ Ports handle +90% of trade flows for neighbouring landlocked Ethiopia and Humanitarian cargo for south-sudan .
- ❖ Port Access for the DESSU Corridor.
- ❖ Key economic pillars: logistics, telecom, banking.



About DPCS



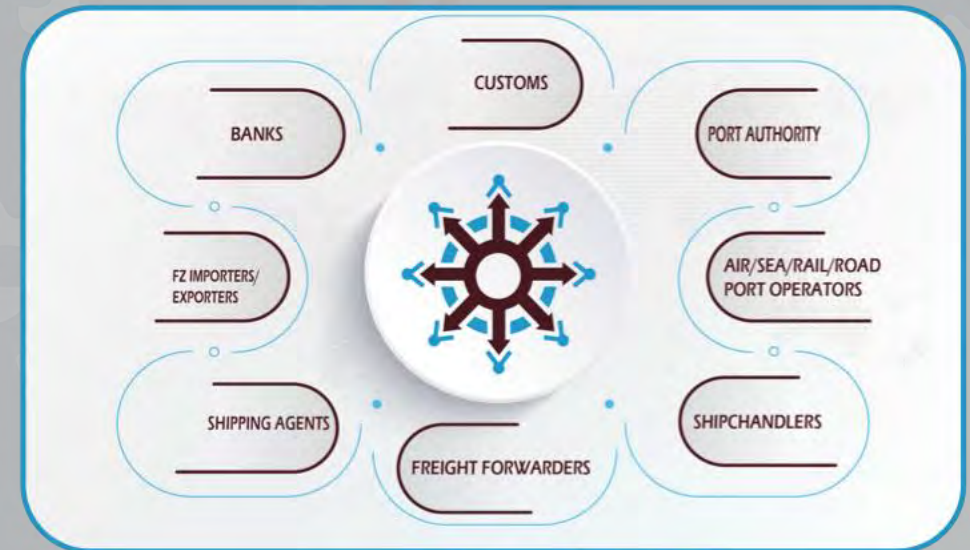
- ✧ Djibouti Port Community Systems (DPCS) is a subsidiary of Great Horn Investment Holding (GHIH), the state investment company for Djibouti's transport and logistics infrastructure.
- ✧ DPCS was established to **digitalize end-to-end import/export processes** across seaports, airport, railway, and trade corridors.
- ✧ Our flagship product—the Port Community System (PCS)—simplifies, connects, and streamlines procedures for all stakeholders.
- ✧ In 2023, by virtue of Decree No. 216-2023/PR/MDENI, DPCS was designated as the single submission platform for all import, export, and transport-related regulatory documentation in Djibouti.



DPCS' SW Vision:

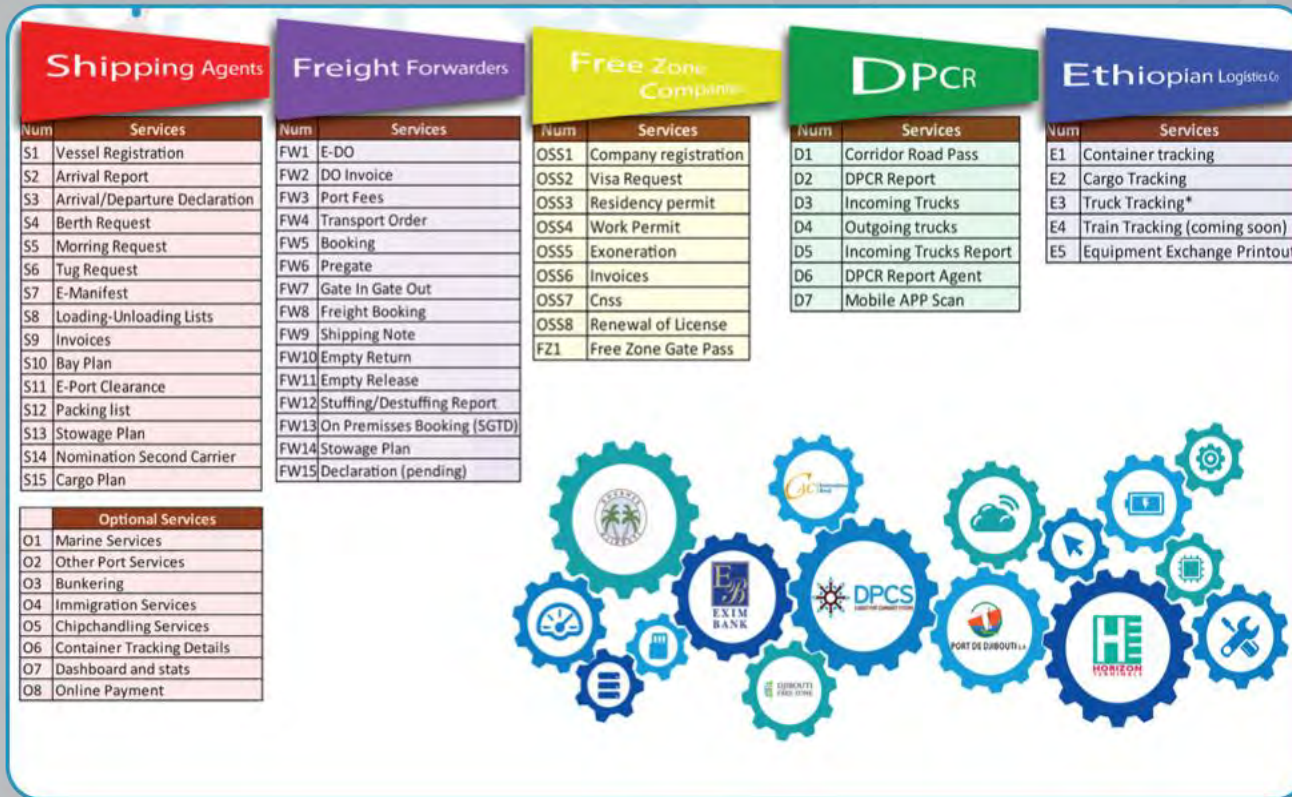
End-to-end Processes

- ✧ MSW, Trade SW, and Customs SW address only segments of the logistics chain.
- ✧ Limitations: siloed scope, fragmented accountability, partial visibility.
- ✧ DPCS starts from the importer/exporter perspective and designs for outcomes.
- ✧ Objective: integrate ALL major processes from vessel arrival to cargo delivery.
- ✧ Result: one coherent flow covering ship, terminal, customs, finance, and corridor.



STEP 1

Digitalisation of logistics processes

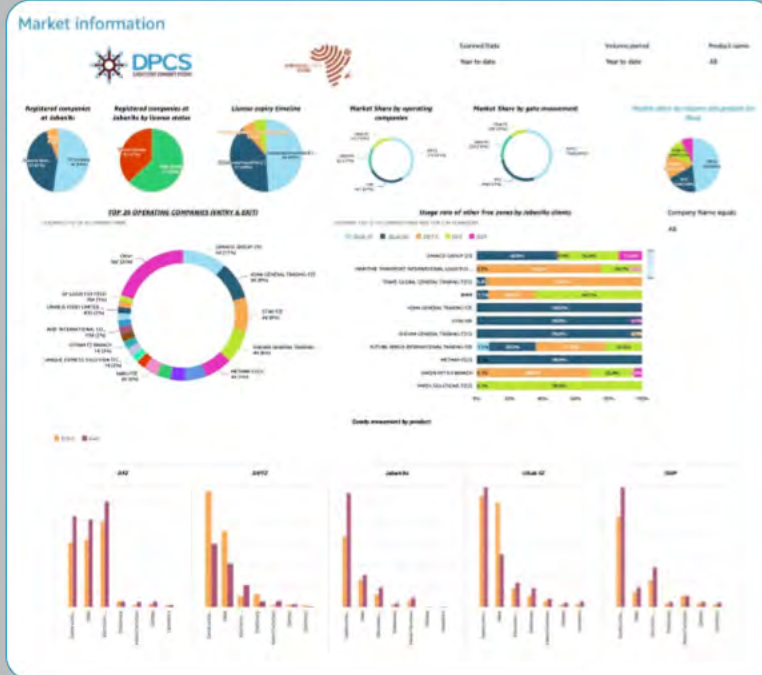


- ✱ Digitalisation of core MSW and PCS processes: IMO FAL Forms, Manifest, e-DO, Loading & Unloading lists
- ✱ Gate processes (In/Out) and Road corridor truck tracking
- ✱ Enabled real-time visibility of vessel and cargo flows
- ✱ By integrating end-to-end processes, DPCS ensures structured, consistent data at every operational step.

STEP 2



Transforming data into actionable intelligence



- ✧ Through the digitalisation of logistics processes, DPCS has been able to capture consistent, structured, and trusted data from all critical operational touchpoints — vessel arrival, cargo documentation, customs port operations, and corridor movements.
- ✧ This single, reliable data backbone provides visibility across stakeholders, eliminating fragmentation and discrepancies between systems.
- ✧ The availability of high-quality data has enabled us to generate and deliver insights not only to traditional port community members (shipping agents, terminal operators, customs, forwarders, banks) but also to a wider set of trade ecosystem actors, including:
 - Regulatory and inspection agencies
 - Policy makers and planners
 - Traders and cargo owners
 - Financial institutions and insurers
 - Logistics service providers and corridor operators

- ✧ This intelligence is shared through business intelligence dashboards and tailored analytics, supporting operational planning, policy formulation, and commercial decision-making.
- ✧ In Stage 2, data stops being operational noise — it becomes a strategic asset powering smarter, faster, and more transparent trade

STEP 3

Predictive Logistics — Anticipating Trade Flows with AI

- ☀ With a strong, reliable data foundation, DPCS is advancing from providing insights to anticipating operational behavior.
- ☀ Through AI and predictive models, we are estimating container pickup dates based on patterns in consignee and logistics provider performance.

This will allow terminal operators to:

- Plan yard stacking by priority
- Allocate equipment and resources more efficiently
- Reduce congestion and idle time

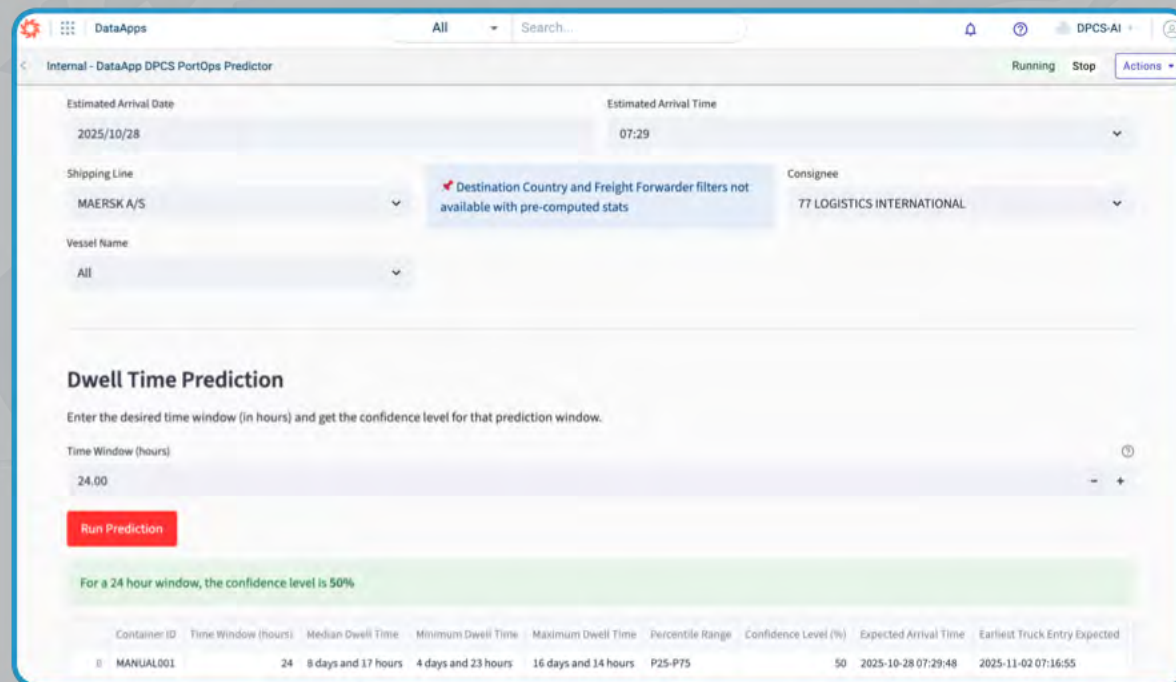
☀ For traders and consignees, predictive delivery visibility means:

- Identifying the most reliable logistics providers
- Reducing delays and avoiding unexpected costs
- Improving overall supply chain reliability

☀ For government and regulators:

- Anticipating movements helps target control and inspection
- Supports more efficient border and corridor management

- ☀ Stage 3 transforms intelligence into foresight — enabling smarter decisions before events happen rather than after.



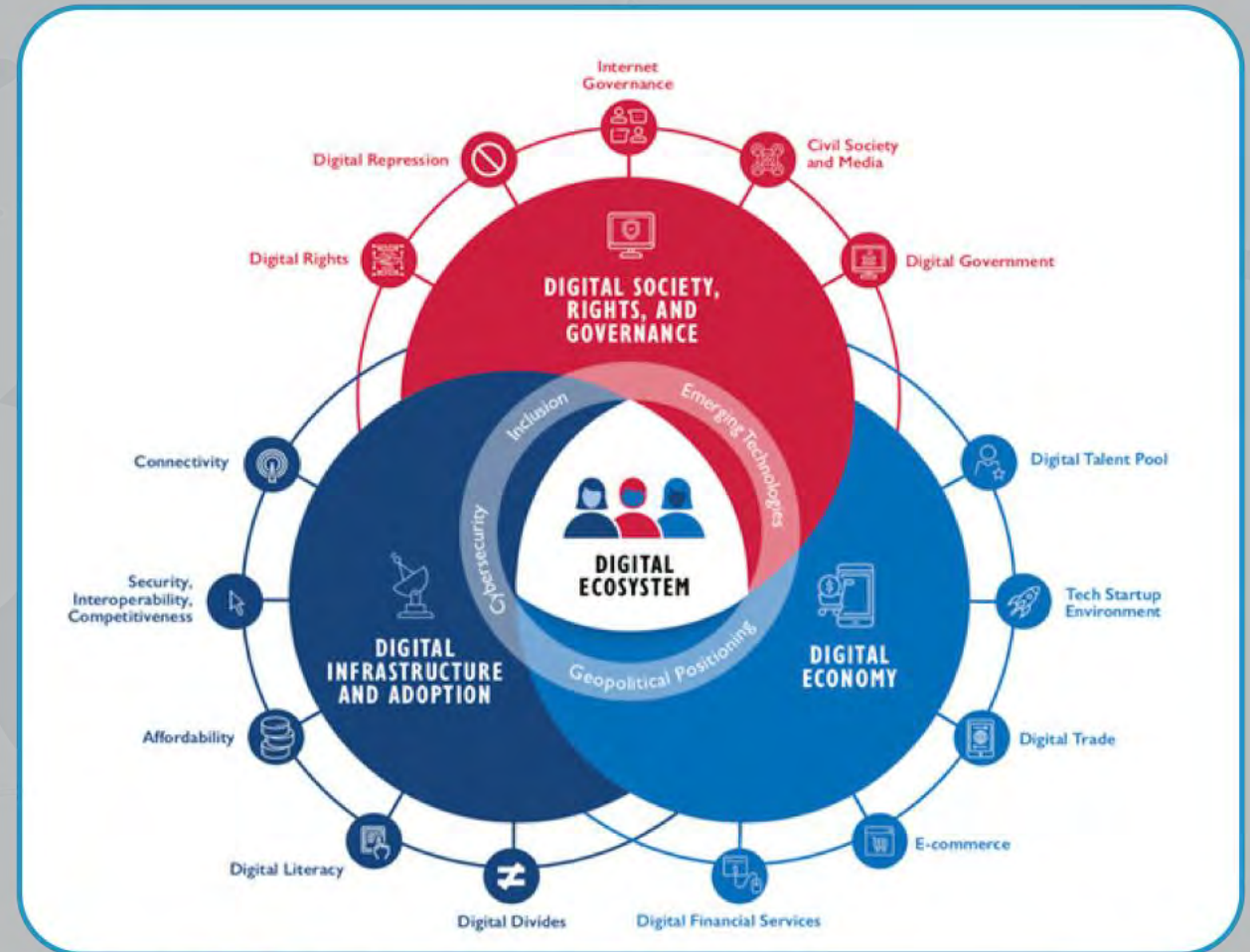
The screenshot shows the 'DataApps' interface for the 'Internal - DataApp DPCS PortOps Predictor'. The page has a top navigation bar with 'DataApps', a search bar, and user information 'DPCS-AI'. Below the navigation bar, there's a status bar with 'Running', 'Stop', and 'Actions' buttons. The main form contains several input fields: 'Estimated Arrival Date' (2025/10/28), 'Estimated Arrival Time' (07:29), 'Shipping Line' (MAERSK A/S), 'Vessel Name' (All), and 'Consignee' (77 LOGISTICS INTERNATIONAL). A red error message states: 'Destination Country and Freight Forwarder filters not available with pre-computed stats'. Below the form, there's a 'Dwell Time Prediction' section with a text input for 'Time Window (hours)' set to '24.00' and a 'Run Prediction' button. A green message box indicates: 'For a 24 hour window, the confidence level is 50%'. At the bottom, there's a table with columns: Container ID, Time Window (hours), Median Dwell Time, Minimum Dwell Time, Maximum Dwell Time, Percentile Range, Confidence Level (%), Expected Arrival Time, and Earliest Truck Entry Expected. The table contains one row for 'MANUAL001'.

Container ID	Time Window (hours)	Median Dwell Time	Minimum Dwell Time	Maximum Dwell Time	Percentile Range	Confidence Level (%)	Expected Arrival Time	Earliest Truck Entry Expected
MANUAL001	24	8 days and 17 hours	4 days and 23 hours	16 days and 14 hours	P25-P75	50	2025-10-28 07:29:48	2025-11-02 07:16:55

Building an Ecosystem

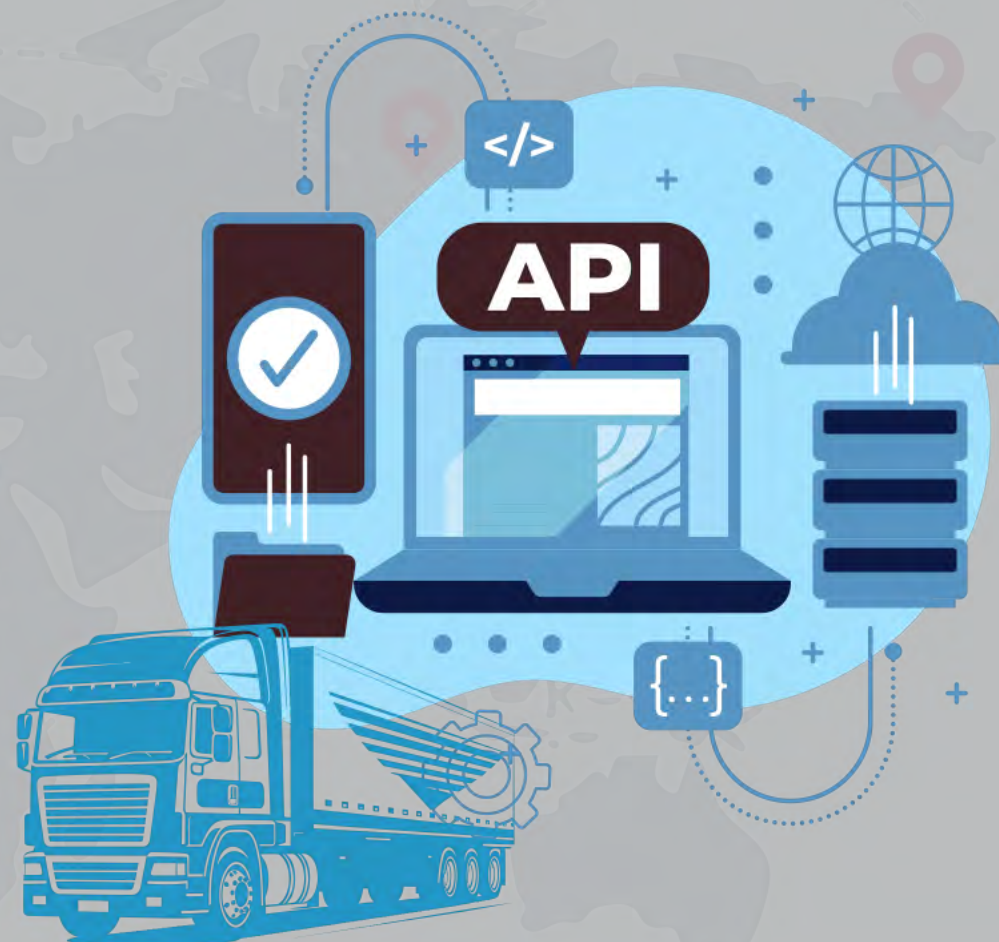
- ✦ DPCS is evolving beyond a platform into an **ecosystem catalyst**.
- ✦ The journey began with **training and capacity building**.
- ✦ Now expanding to **technology integration and regional partnerships**.

Objective: enable a vibrant ecosystem of users, innovators, and service providers



Building an Ecosystem – third party service providers

- ✧ DPCS is opening its ecosystem to third-party platforms and regulatory systems.
- ✧ **Integration with Fleetin (truck transport marketplace):**
More transport options for cargo owners.
Better visibility, cost and performance transparency.
- ✧ **Integration with Advance Cargo Declaration platform:**
 - Access to key cargo documentation:
 - Invoices, Packing lists, HS codes, Goods value, Insurance & Freight.
 - Provides early visibility to inspection & control agencies.
 - Enables risk assessment, targeted inspections, and smoother clearance.
- ✧ These integrations enrich the ecosystem – more value for users, Stronger Compliance, new opportunities for innovation through APIs..



International partnership and knowledge Sharing

- ✧ MoA signed with the Arab Academy University of Alexandria.
- ✧ Joint delivery of practical classes on:
 - Maritime Single Window implementation
 - Port Community System operations
- ✧ Promoting peer learning between countries through training programs.
- ✧ Knowledge partnerships position Djibouti as a regional leader in digital trade facilitation.



International partnerships and knowledge sharing (2)

- ✧ Hosted benchmarking missions for:
Côte d'Ivoire
Namibia
- ✧ Shared:
 - DPCS implementation experience
 - Governance and regulatory frameworks
 - Technical integration journey
- ✧ Reinforcing Djibouti's position as a reference hub for port digitalisation in Africa.
- ✧ From platform to model — exporting know-how and building regional alliances.



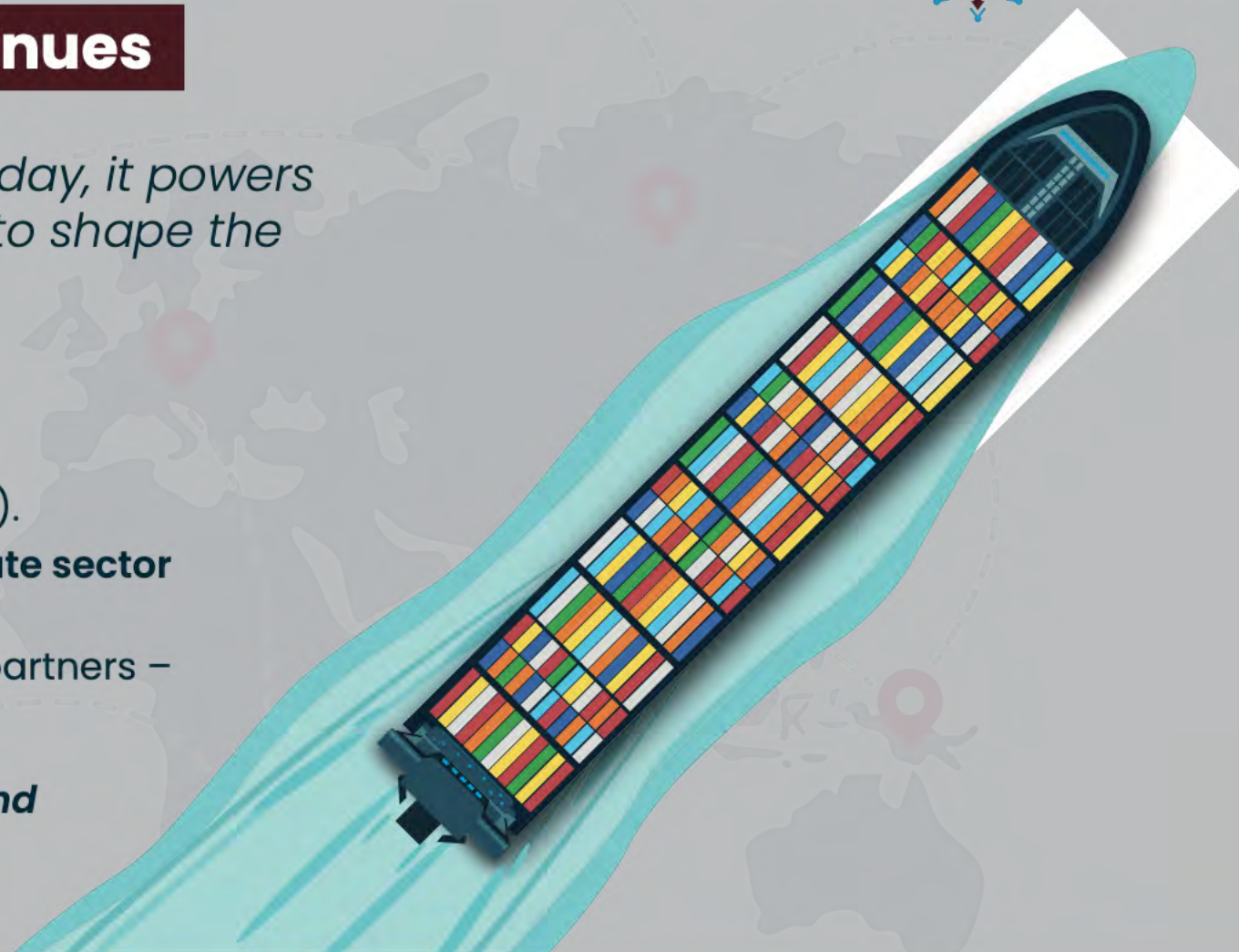
Next steps – the journey continues

“DPCS started with digitising forms. Today, it powers trade intelligence. Tomorrow, it plans to shape the regional trade ecosystem.”

✧ Next steps:

- Expand predictive models (cargo delivery, gate planning, logistics providers reliability).
- Open APIs and data services to foster **private sector innovation**.
- Deepen corridor integration with regional partners – Connecting Markets

✧ The future of trade is **integrated, intelligent, and collaborative**.





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Thank you

