



Port Louis Harbour

Driving Cost Savings & Productivity Initiatives
in Port Operations

*Mauritius Maritime Week
22nd – 27th January 2018*

*The Ravenala
Attitude Hotel,
Balaclava*

*Presentation
by
Vishal Multra
Terminal Operations Manager
(Mauritius Container Terminal)*



The Evolution

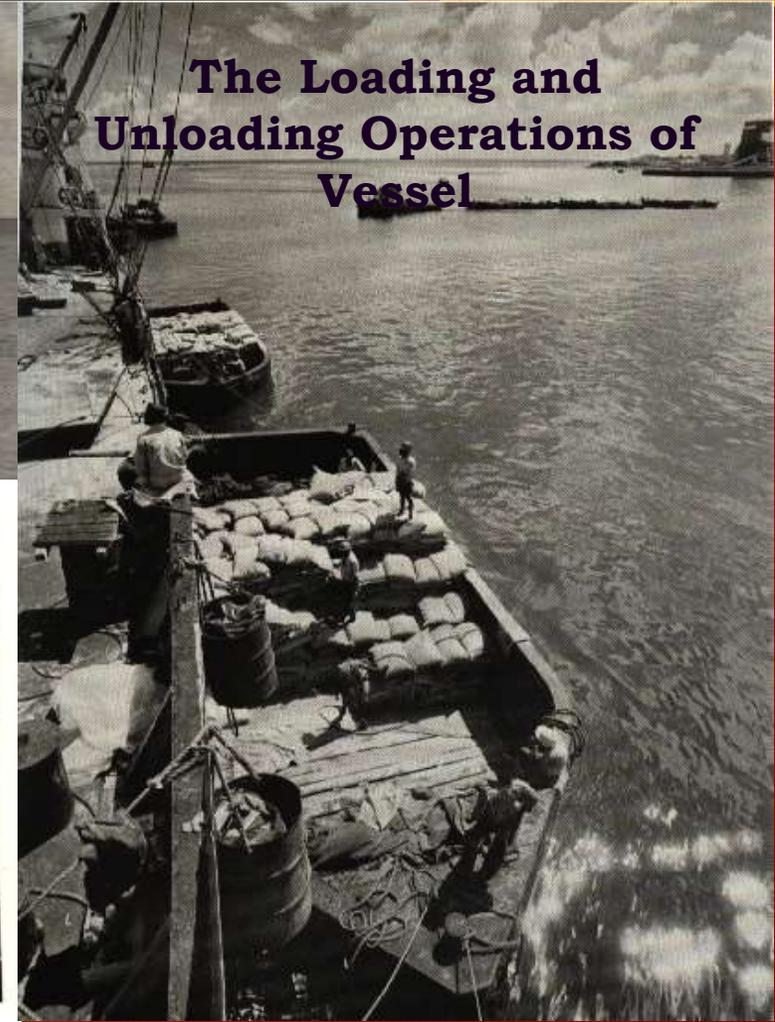
- **In 1857, New Dry Docks were opened.**
- **In 1976, setup of ‘Mauritius Marine Authority’.**
- **In 1983, private companies, which operated the port were nationalised and incorporated to form the ‘Cargo Handling Corporation Limited’, which acted as a contractor to the then ‘MMA’**
- **The Ports Act 1998, established the Ports Authority as the Landlord and Regulator, where the CHCL became Full Fledge operator.**
- **In 2018, CHCL achieved 35 years of existence and experience in Handling operations.**

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Port Louis Harbour : C H C L Operations Ancient Times



Vessel at Anchorage



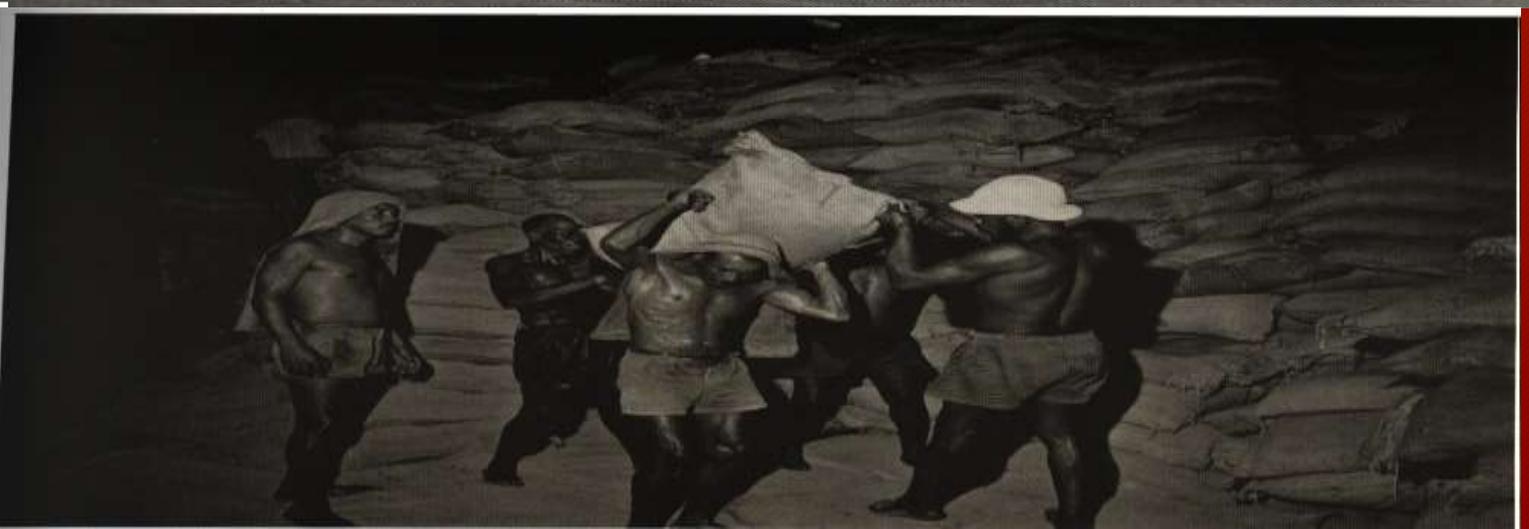
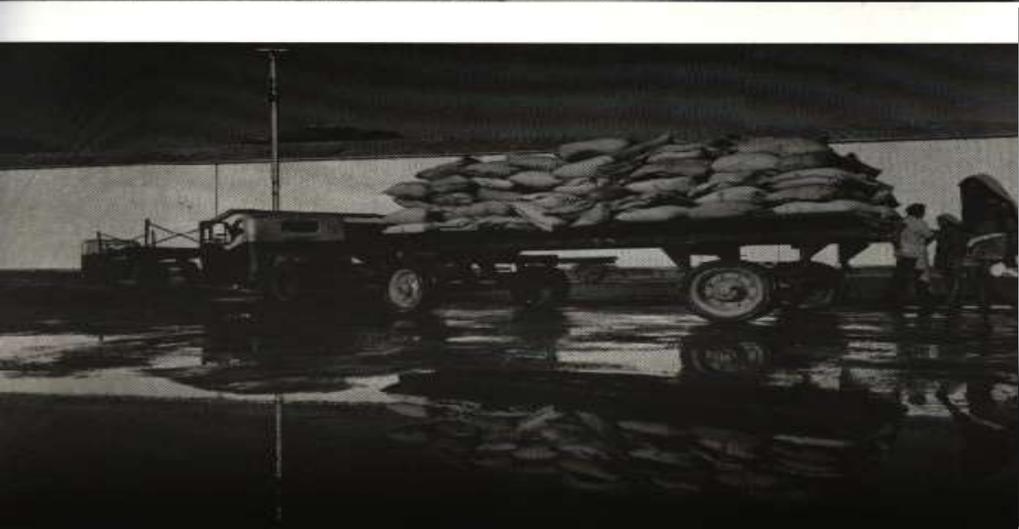
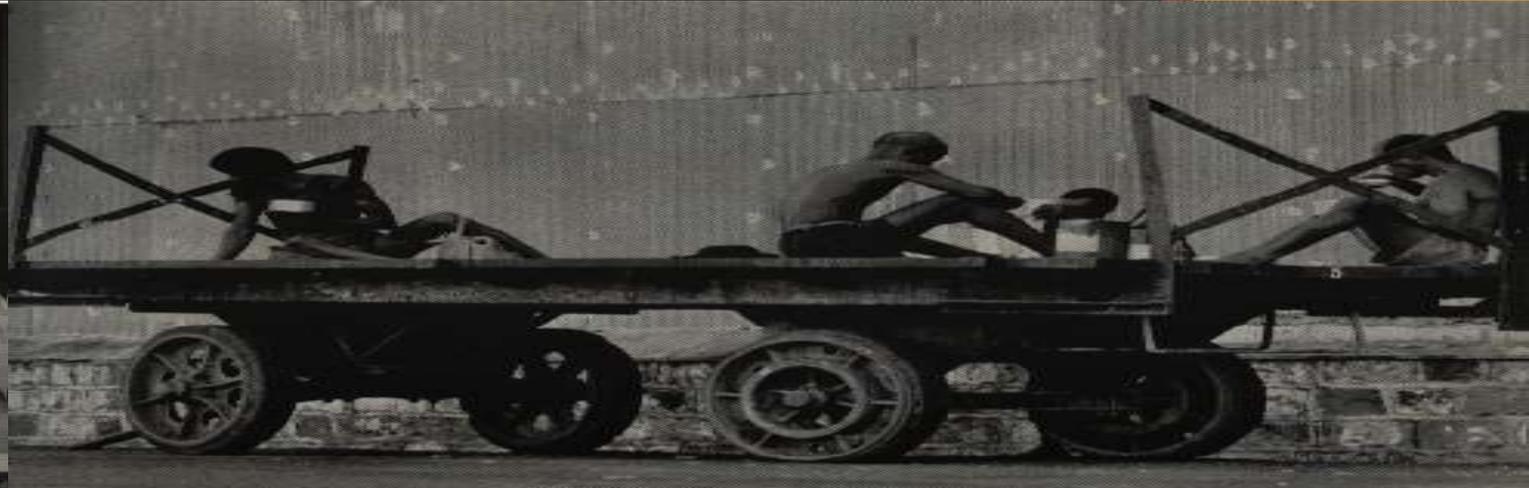
**The Loading and
Unloading Operations of
Vessel**



TI LANGAR (1966) Recruitment

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Shed to Ship Operations



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1983 -- 2018

35
YEARS

C H C L: EFFICIENCY AND COMPETITIVENESS

- **From lighter and deep water quay operations to a modern Container sub-hub!**
- **From a captive cargo port to an economic tool for the benefit of the export industry.**

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Port Louis Harbour : C H C L Operations 1999 +





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MISSION / VISION **Cargo Handling Corporation Ltd**



The mission of CHCL is to offer reliable, quality and competitively priced services to support the economic growth of Mauritius and be the Port of choice for the region.



To be the obvious logistics hub of the region offering world class services.

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Principal Activities of the Company



- ★ Providing handling services for containers and general cargo by providing labor and equipment;
- ★ Acquiring, maintaining or leasing of Cargo handling equipment for efficient work organization;
- ★ Providing for the storage of all general cargo including containers passing through Port Louis harbour;
- ★ Providing ancillary services viz reefer monitoring, transfer and Weighing of containers and leasing of equipment.

Opening Statements



**“Whosoever commands the sea commands the trade:
whosoever commands the trade of the world
commands the riches of the world and consequently
the world itself”.- Sir Walter Raleigh, a pioneer shipping magnate,**

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Driving Cost Savings & Productivity Initiatives in Port Operations



Why are Ports Important?

- Ports are a critical part of global supply chains and also a major focus for global security.
- Transport is an integral part of the entire supply chain
- Over 60% of cross border trade moves via water
- Competitive position due to supply chain links
- Support raw material acquisition, manufacturing and distribution of finished products
- Create synergies
- Converge interests between port community players to guarantee:
 - Reliability
 - Continuous Service
 - Good Productivity Level

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The Cargo Handling Corporation Ltd and The Logistics Chain Optimisation

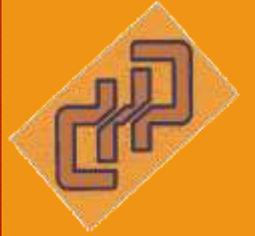


- A real-time story
- Integration Strategy
- Business Value



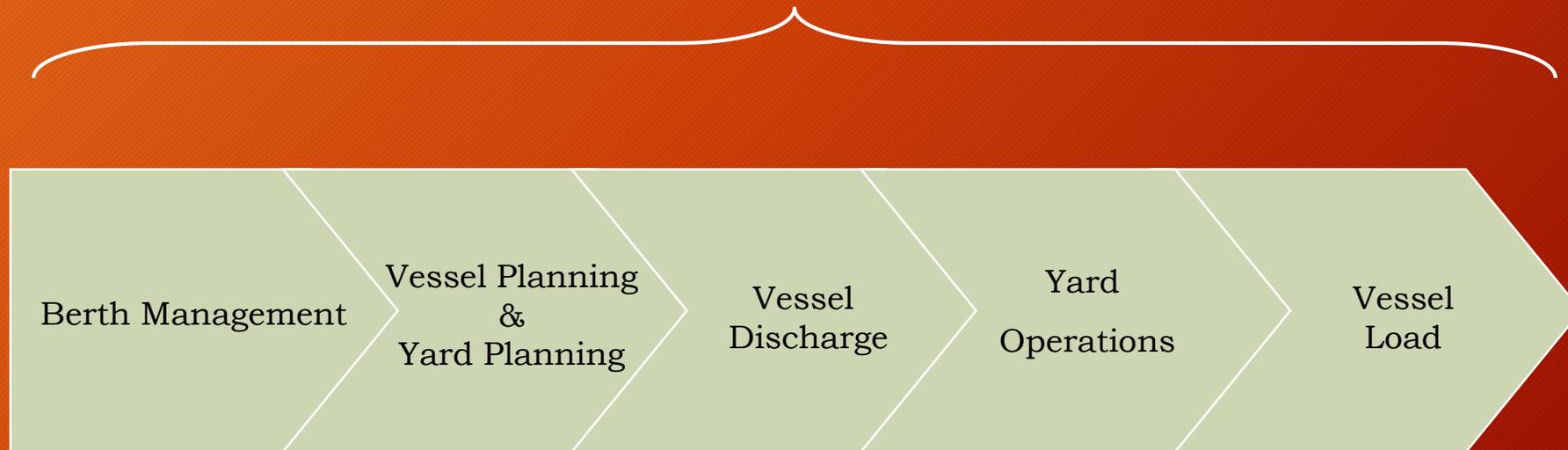
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Value Chain – Container Handling services



Container Terminal Management System :

NAVIS N4



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Improvement:



Identify, track and manage assets, transactions and people on terminals



Increased Accuracy



Efficient management of Business Process



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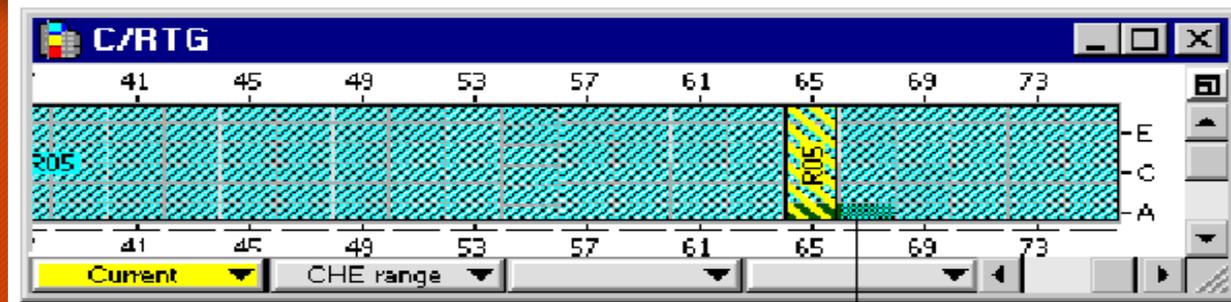
Live View: Operational Efficiency

Auto Dispatching of Jobs: Equipment Control

Pro-actively spot non performing drivers

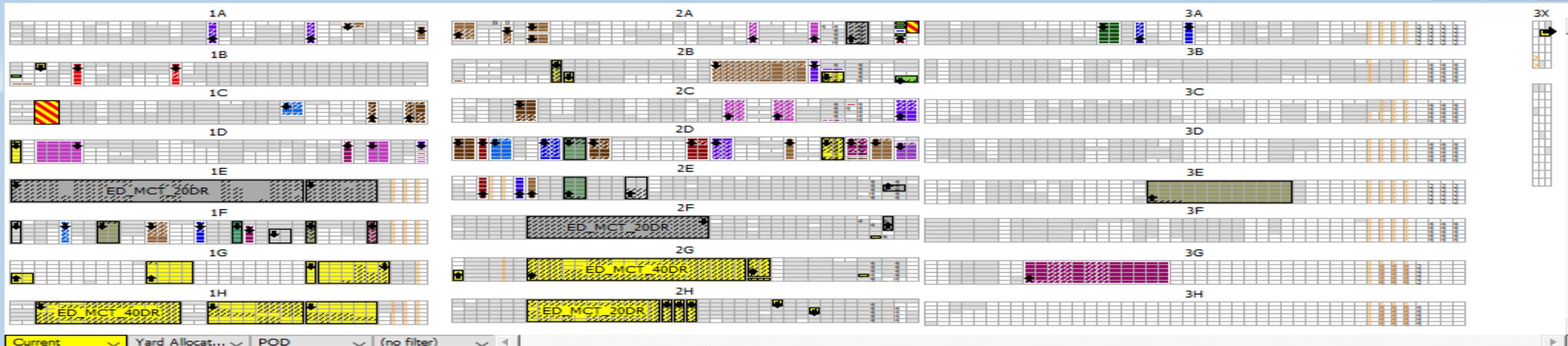
Block usage at a glance

Status CHE



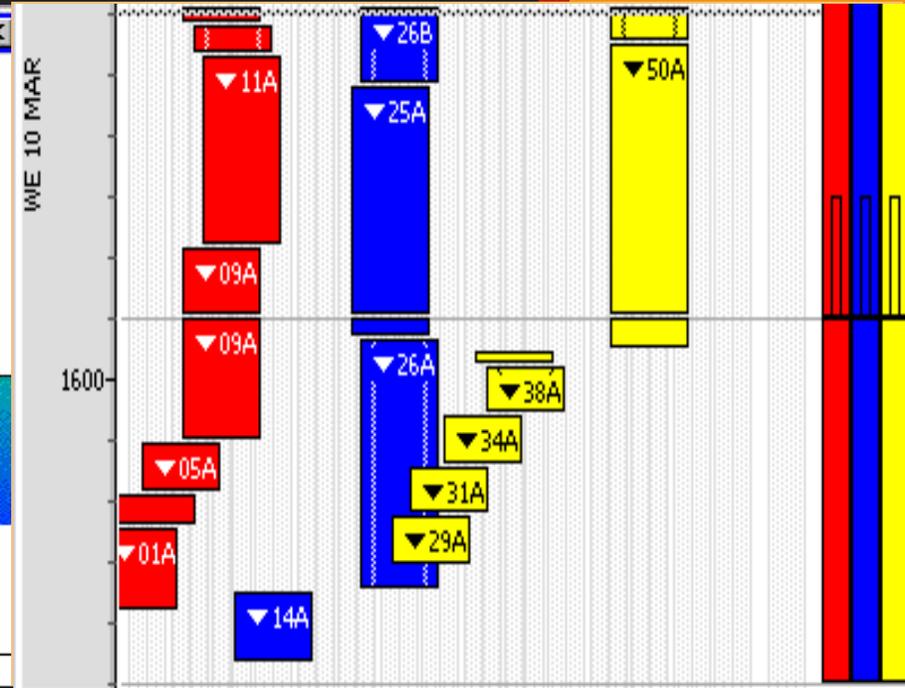
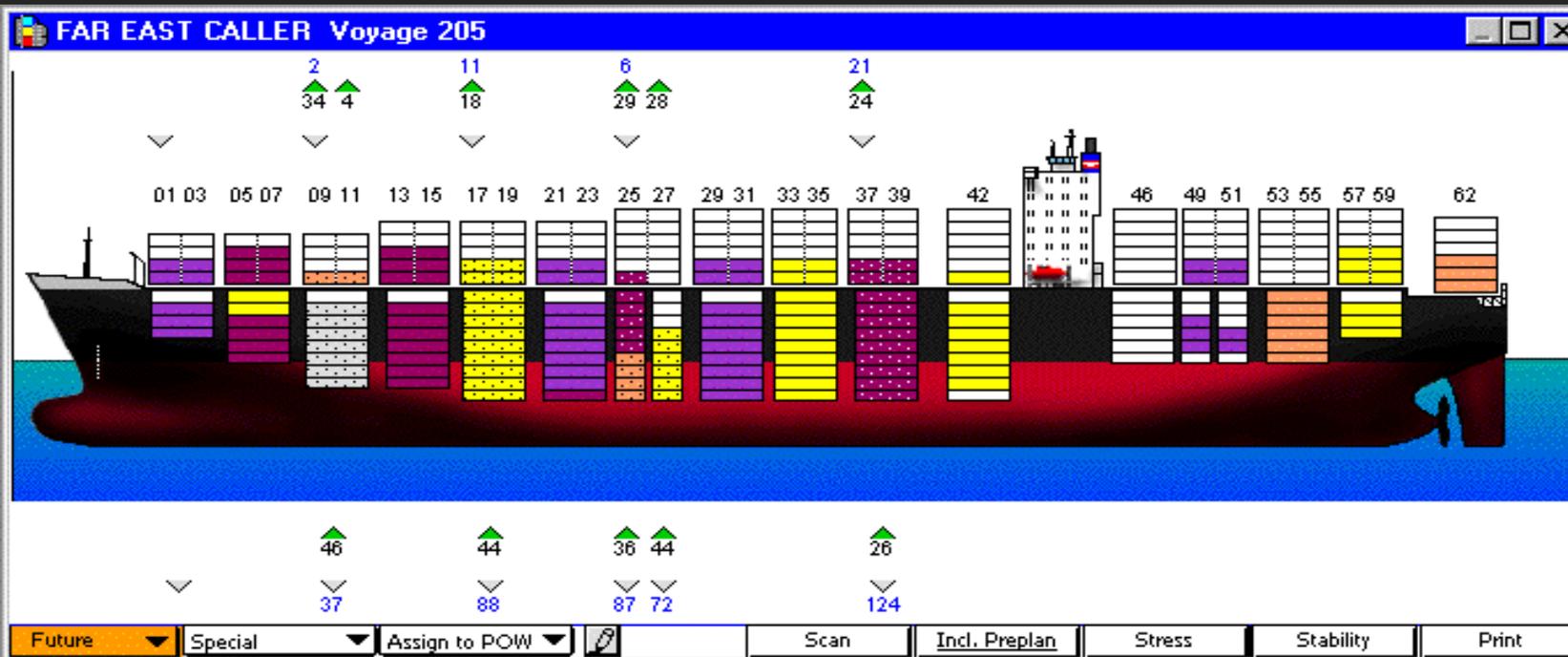
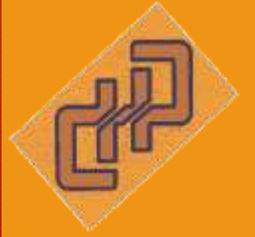
Imminent Yard to Yard move in green color

MCT Satellite View



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Planned Deployment – Ship Planning Automated Equipment Control



- ❖ Create, define & configure vessels graphically on screen using Ship Editor
- ❖ Electronic receipt of bay plans, stability, stowage, height & weight restrictions, bulkhead and reefer location
- ❖ Stowage Sequencing

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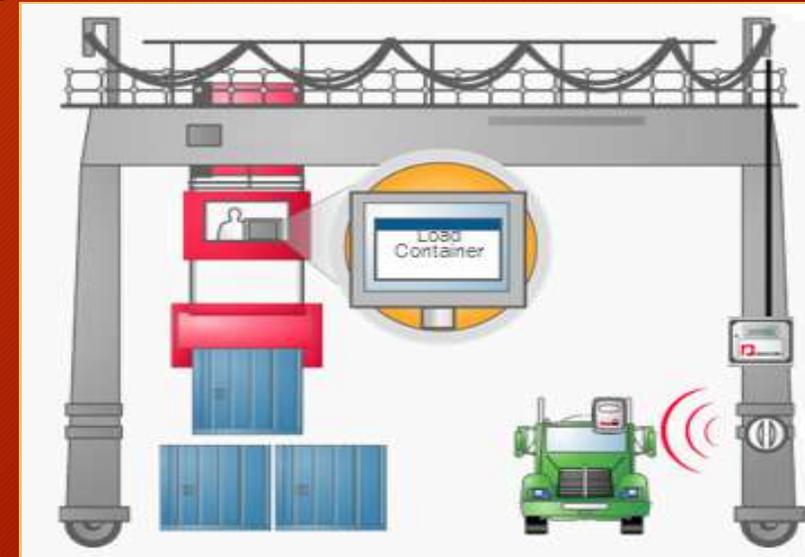
Automatic Container Dispatching



Value:

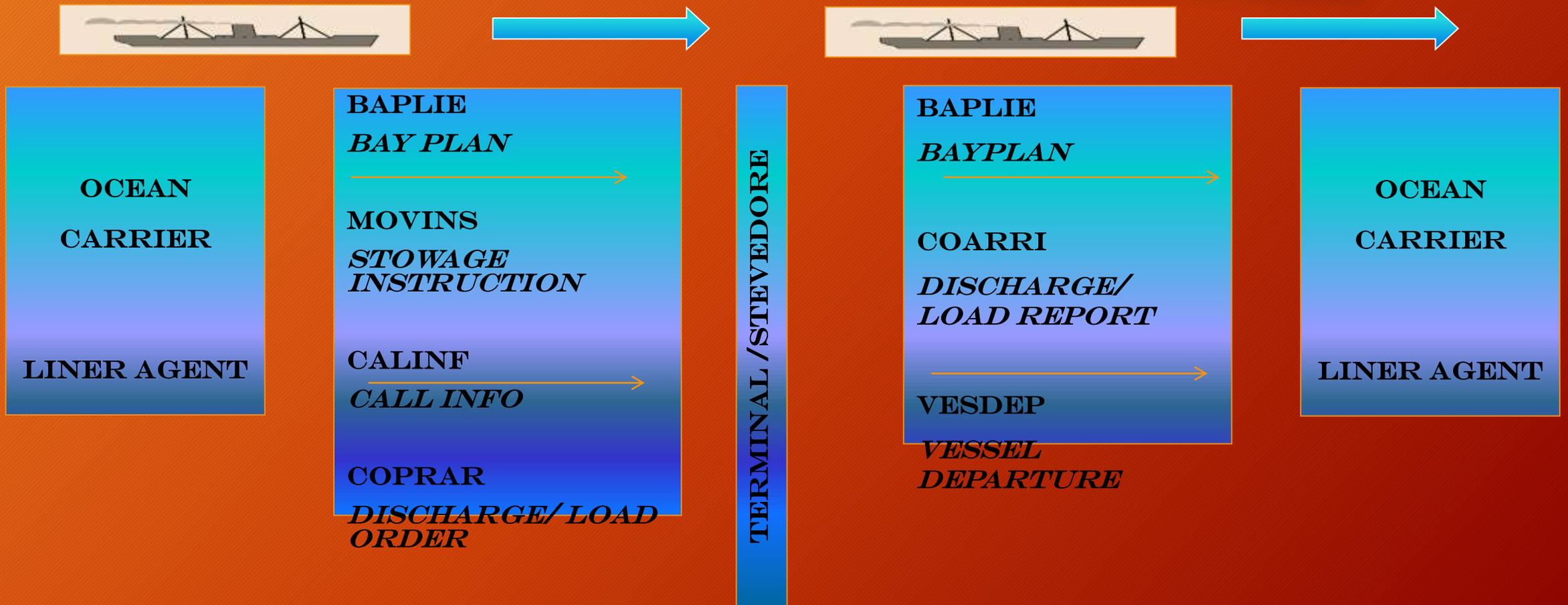
- ❑ Automatic hand off internal & external trucks
- ❑ Job list promotion to speed up RTG's drivers work
- ❑ Flow connecting into the Vehicle Mounted Terminal

Confirmation of container ID and automated update of Grounded container position.



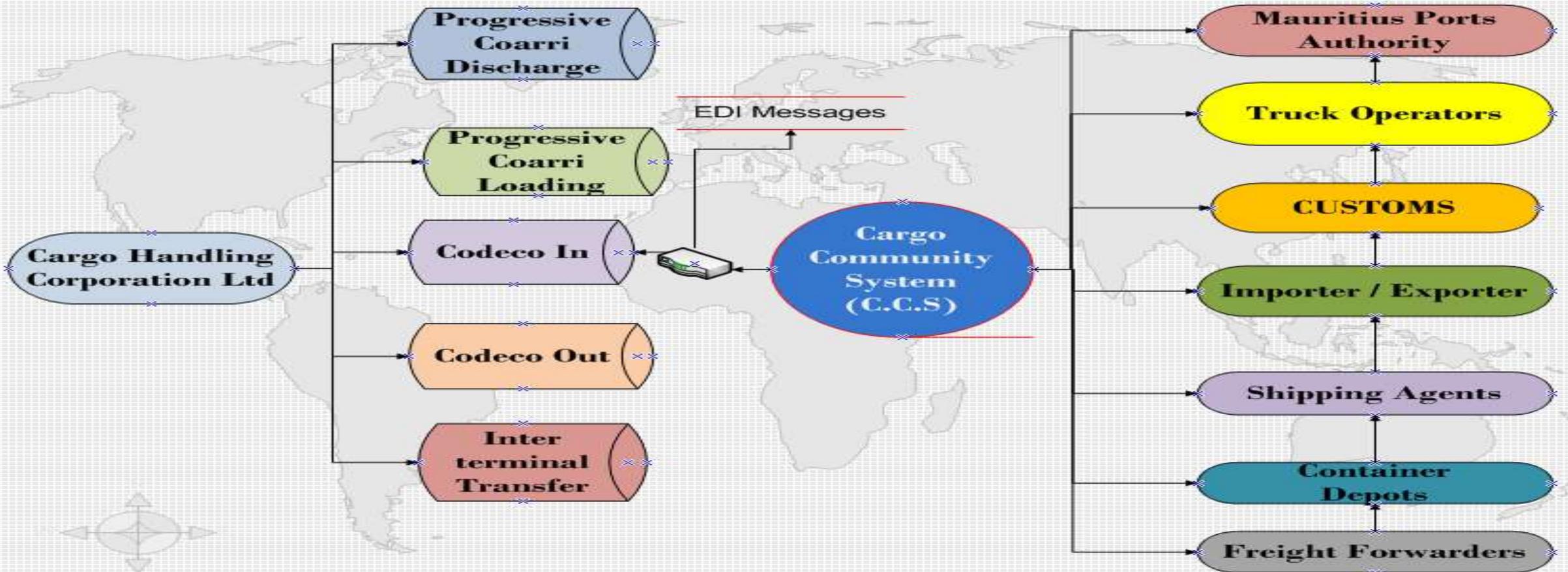
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Paperless Reporting



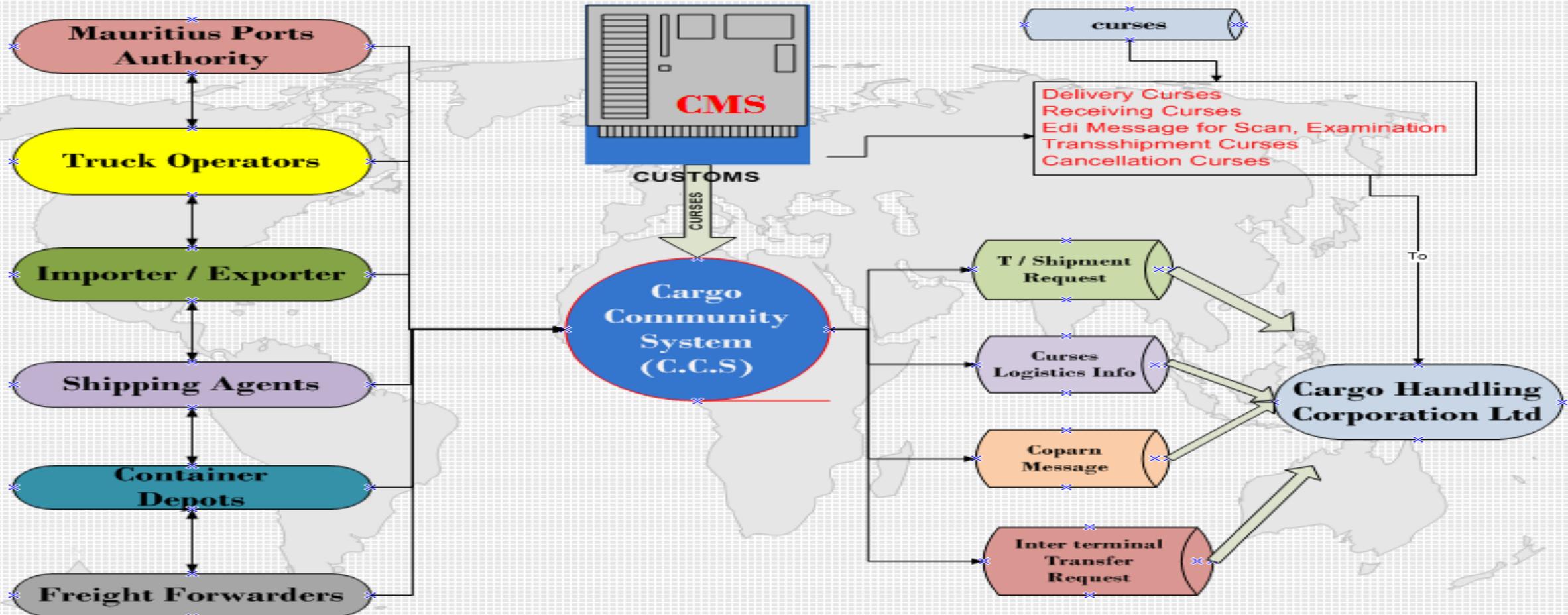
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Communication Pattern with a Cargo Community System



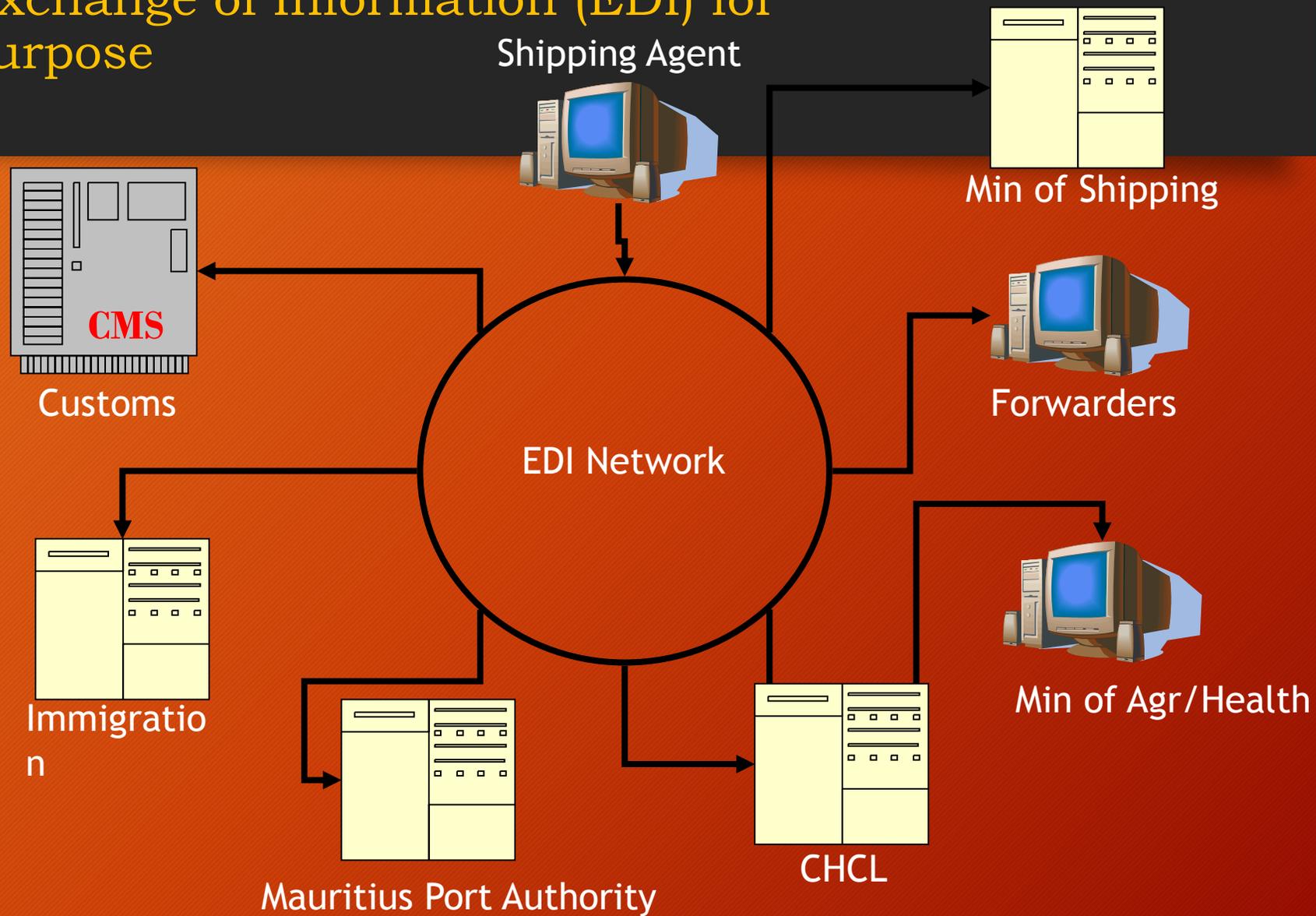
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Communication Pattern with a Cargo Community System



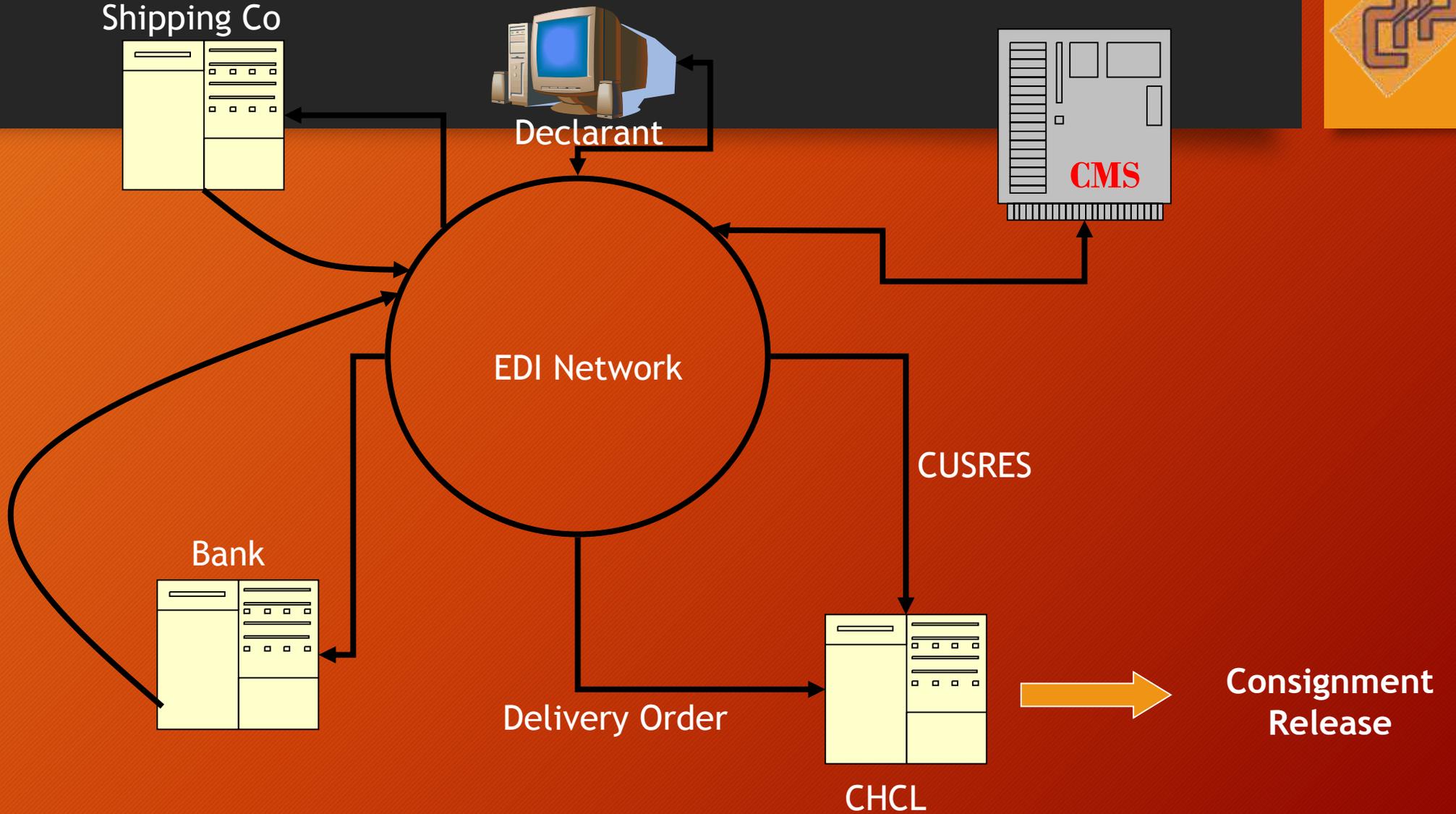
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Electronic exchange of Information (EDI) for clearance purpose



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Electronic exchange of Information (EDI) for clearance purpose



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Impact of Terminal Operations System



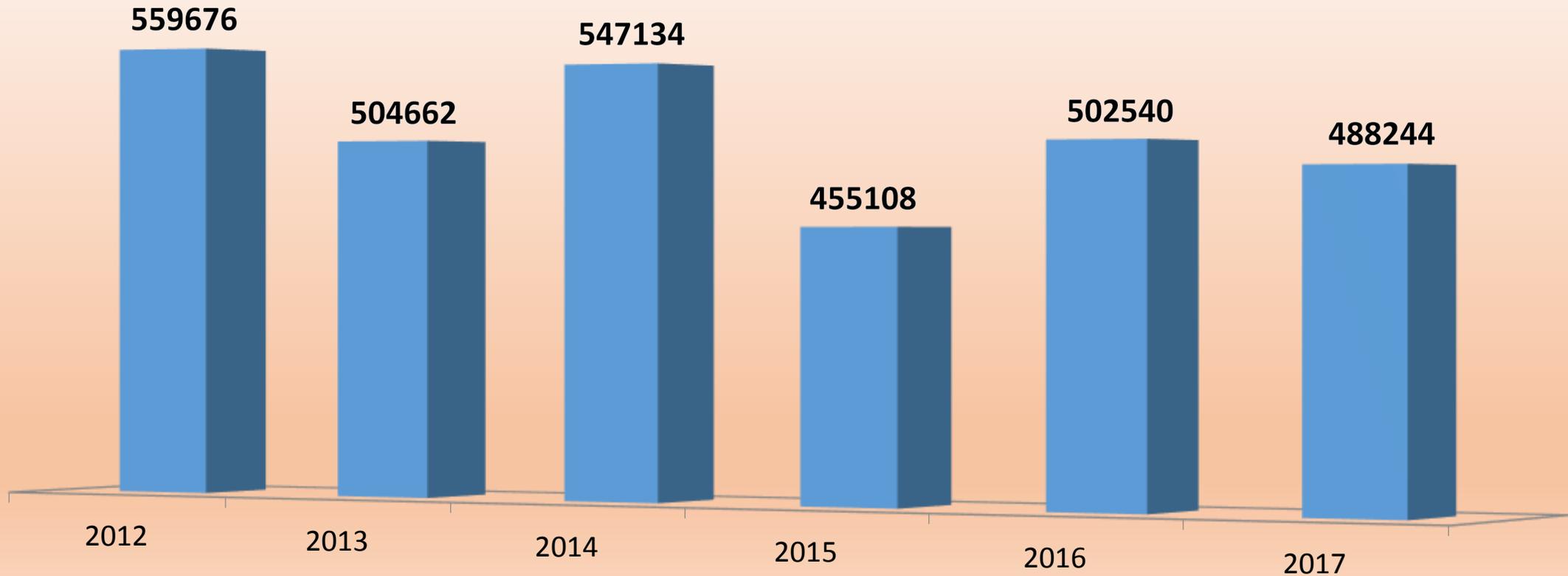
- ❑ Integration eliminates paper lists, duplicate data entry, process steps
- ❑ Wireless data terminals provides real-time update / container location
- ❑ Operations monitoring from database, projections from historical data
- ❑ Transmit To agent, Line Planner, ship captain upon Completion of Operations
- ❑ Berthing Plan on Internet
 - Planning facilitated from database stats

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Business Growth.....



Grand Total of Teus Handled

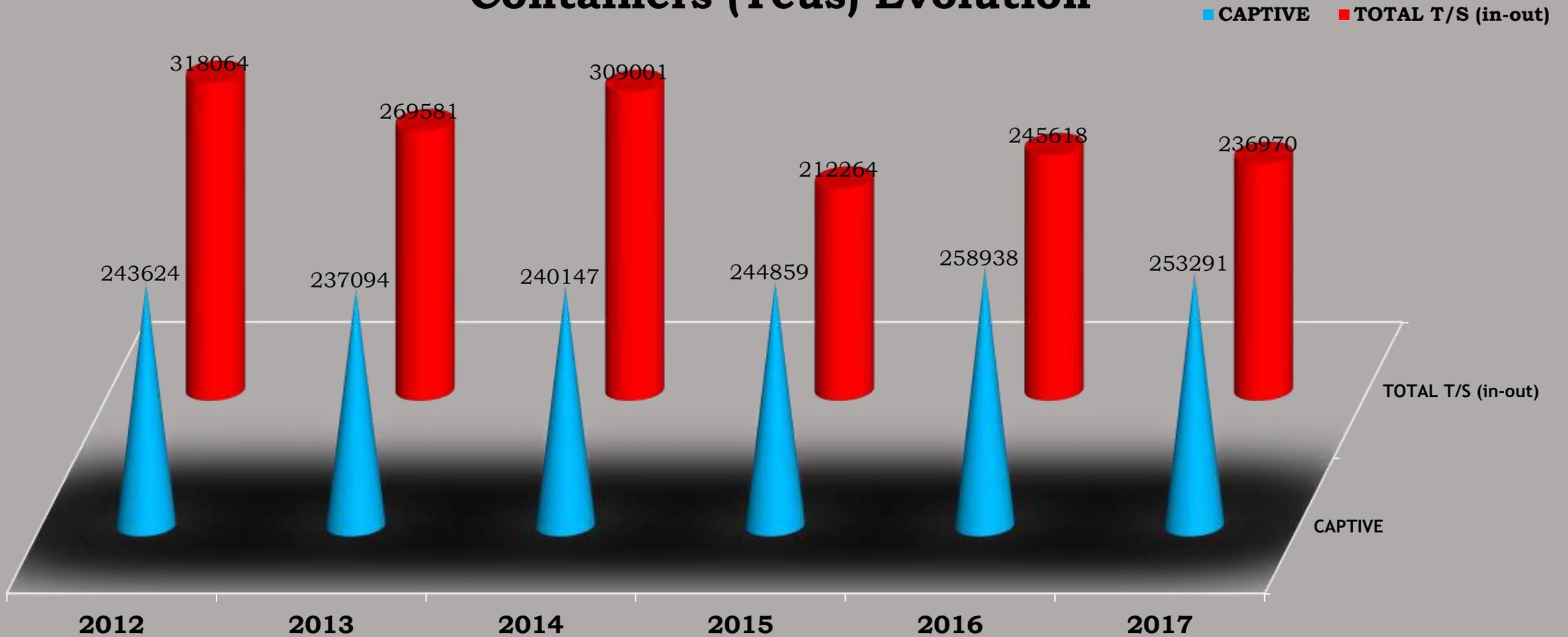


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Business Growth.....



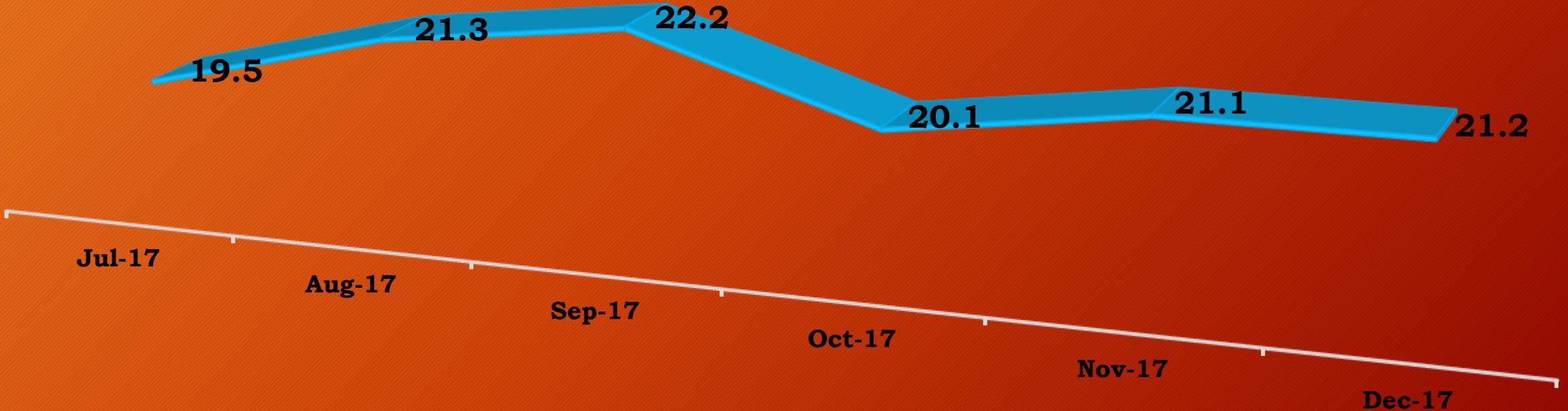
Containers (Teus) Evolution



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Business Growth.....

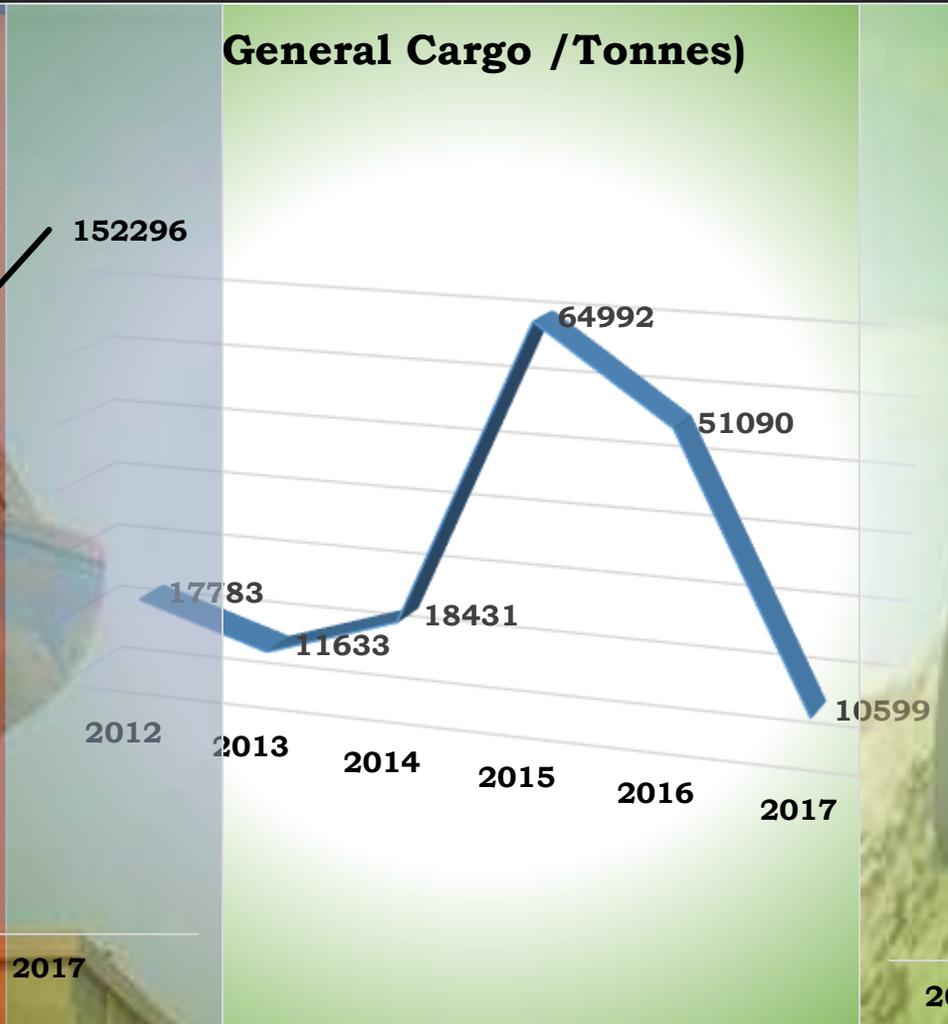
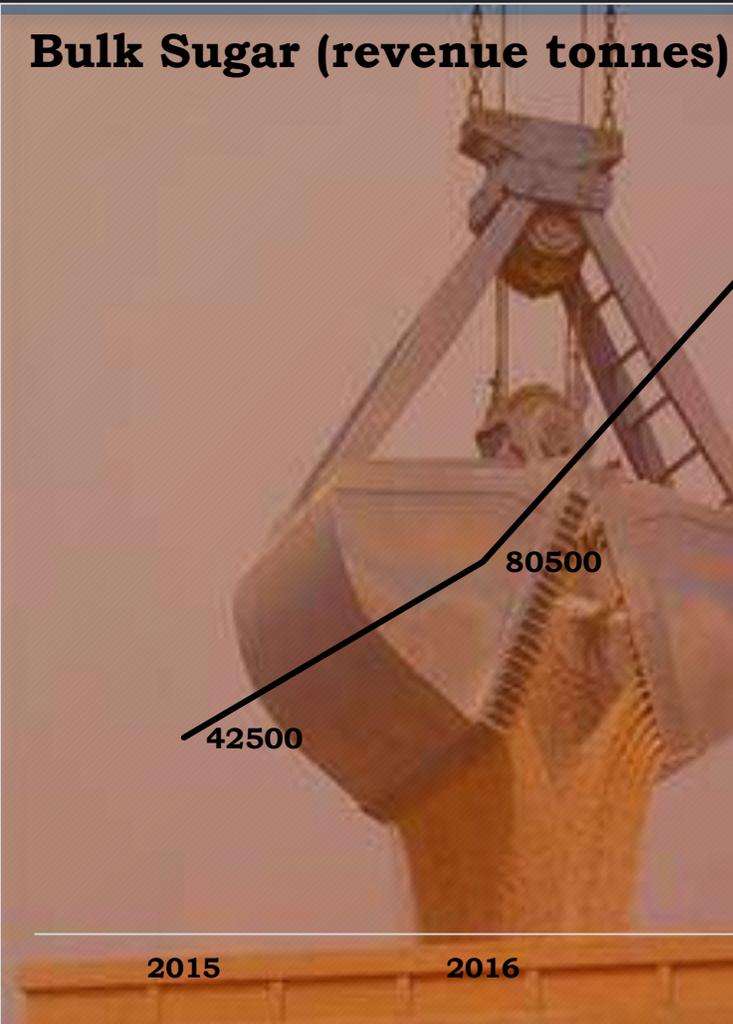
Sustain Productivity: Moves Per Crane Hour



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Business Growth.....

General Cargo



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Appointment with the Future.....



To meet Requirements and to cope with the forthcoming challenges at the MCT:

- Refurbished Three (Hanjung Ship To Shore Cranes)
- Developed a Full Fledge RTG Operation :14 RTGs
- Procured Two Super Post Panamax Ship To Shore Cranes
- Upgrading Terminal Operating System Navis To N4 Platform
- High Definition CCTV Camera System currently being implemented
- **10** Prime Movers & Trailers

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The immediate benefits of the investments are as follows:



- Service of bigger vessels (>350m) and consequently securing existing Transshipment trade
- Enhanced crane and ship productivity leading to reduced costs for clients
- Increased connectivity for shippers
- Increased in capacity terminal from 550,000 Teus to 800,000 Teus.

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Investments Plan for coming 3 Years.....



| Plant & Equipment | Current Availability | Envisage Acquisition |
|-----------------------------------|-----------------------------|-----------------------------|
| | | 2018-2021 |
| Ship to shore cranes | 7 | 1 |
| Rubber Tyred gantry cranes | 14 | 4 |
| Reach Stackers | 8 | 3 |
| Tractors | 34 | 24 |
| Trailers | 41 | 24 |
| Empty handlers | 3 | 2 |
| Small forklifts | 5 | 4 |

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To Conclude:

The prospects ahead without doubt behold challenges and changes;

Unthinkably; drastic changes and trends, which are yet under the water, and awaiting to emerge swiftly to replace the present ones.

But as true humans, lets embrace the unknown and Let us sail out together to the ocean, with the spirit of enterprise.

Mauritius Maritime Week

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THANK YOU

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Cargo Handling Corporation Limited

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