



Association of Canadian Port Authorities

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CEO DP World Americas

Creating the Future, **Now.**

Agenda

- Introduction to DP World
- Being Ready for the Future
- The Changing World of Port and Terminal Management

Dubai, UAE – Vision, Innovation, and Execution

1980



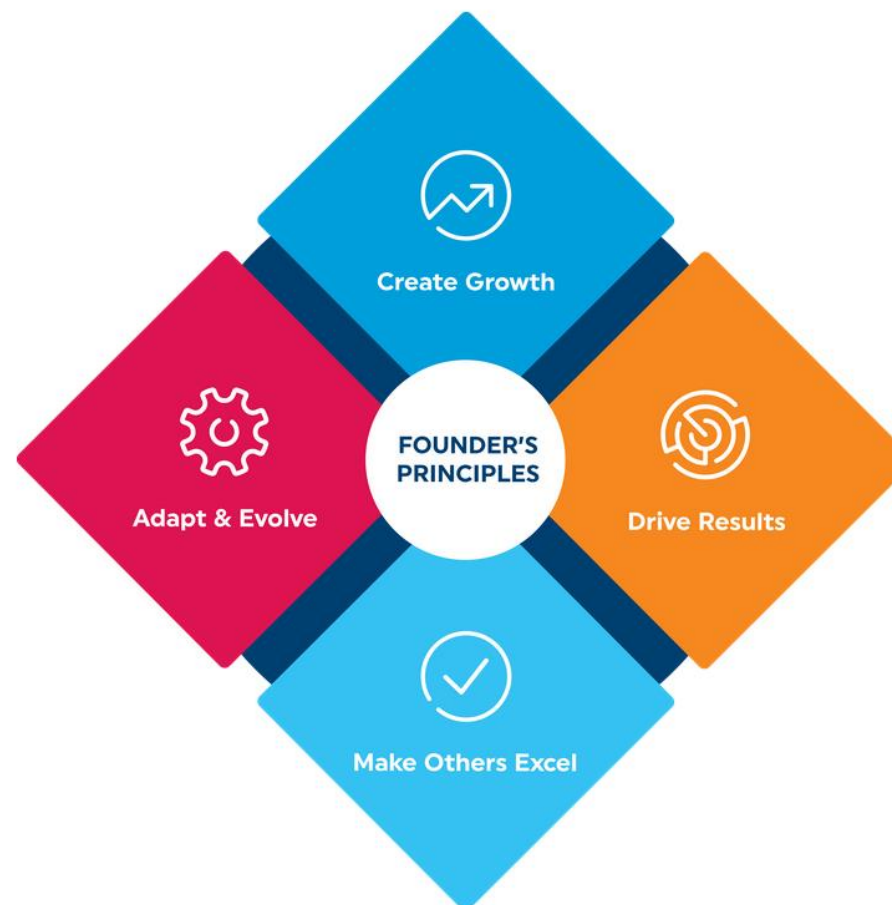
2018



*"Throughout history, cargo has always been the catalyst for transport revolutions. With a bold vision for the future, Dubai has always pushed the boundaries of innovation." - **DP World Group Chairman and CEO Sultan Ahmed Bin Sulayem***

Our **Vision**

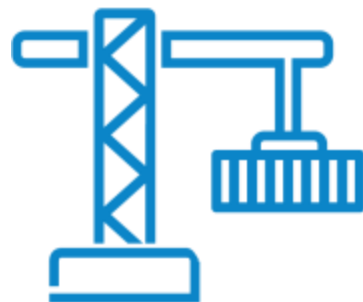
We enable smarter trade to
make a better future for
everyone



78 Operating port and terminal interests

66 Terminal development projects completed over the last five years

1,600
cranes



40
countries


45,000
people

We serve around
70,000
vessels/year



or nearly
190
Vessels a day

Question #1

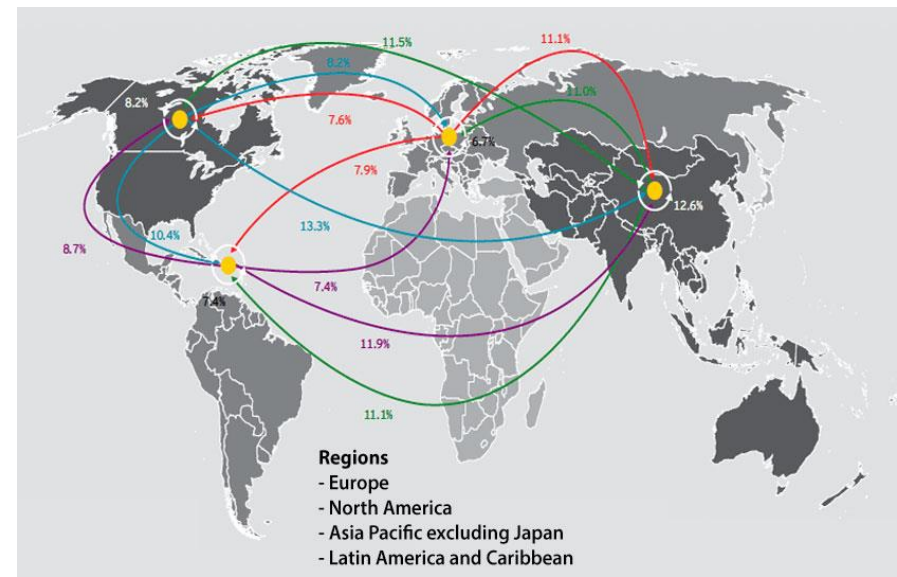
What should leaders in ports, terminals and supply chain industry partners be thinking about to ensure they are in step with future possibilities?

Multiple Port Gateways / Multiple Challenges



Build a strategy for the future

- Consider Trade Patterns (current + future)
- Identify Preferred Gateways
- Engage stakeholders



Invest in Canada's supply chain

- Create climate to attract investment
- Maximize supply chain network utilization
- Build network resiliency / long term sustainability



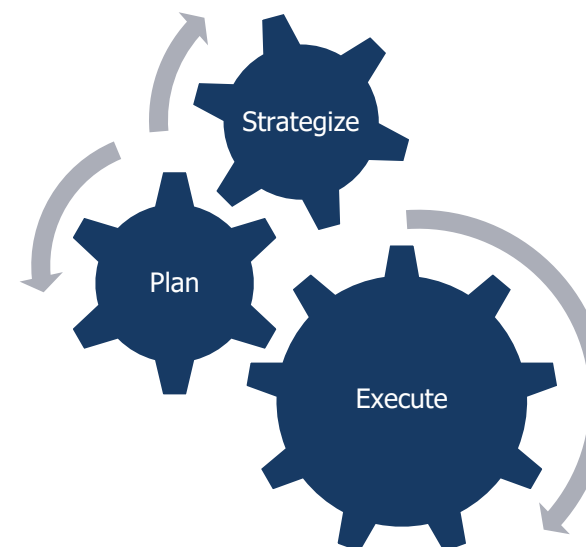
Contribution to Community

- Industry attractiveness
- Education & training
- Community / Social / Economic Development



Seek to continuously improve service

- Operational synergies
- End-to-end service integration
- Improve visibility
- Productivity



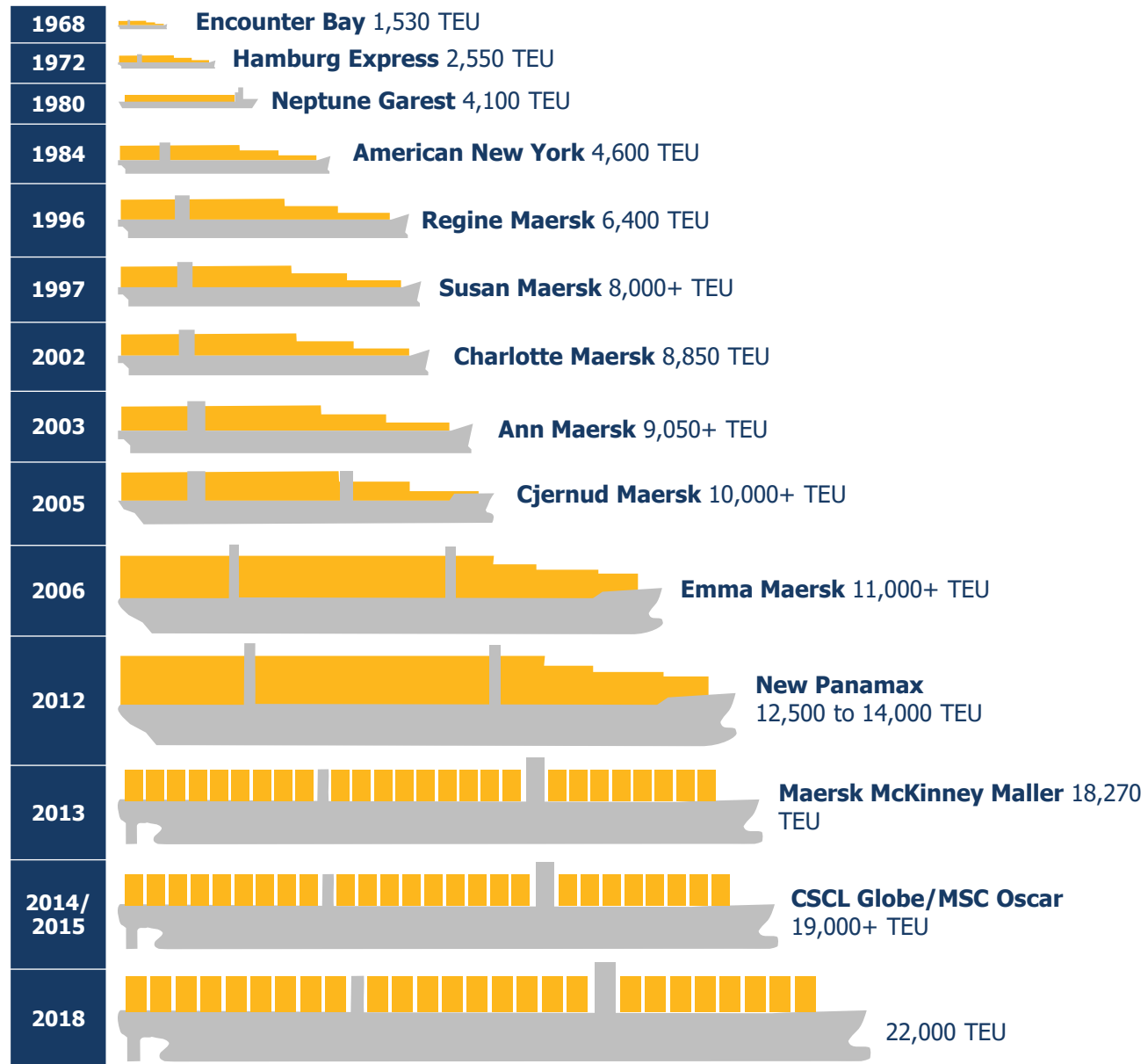
Question #2

What will be possible for global shipping in the next decade, how could innovations in technology and evolving forms of transportation and even further automation of terminal operations change the world of port and terminal management?

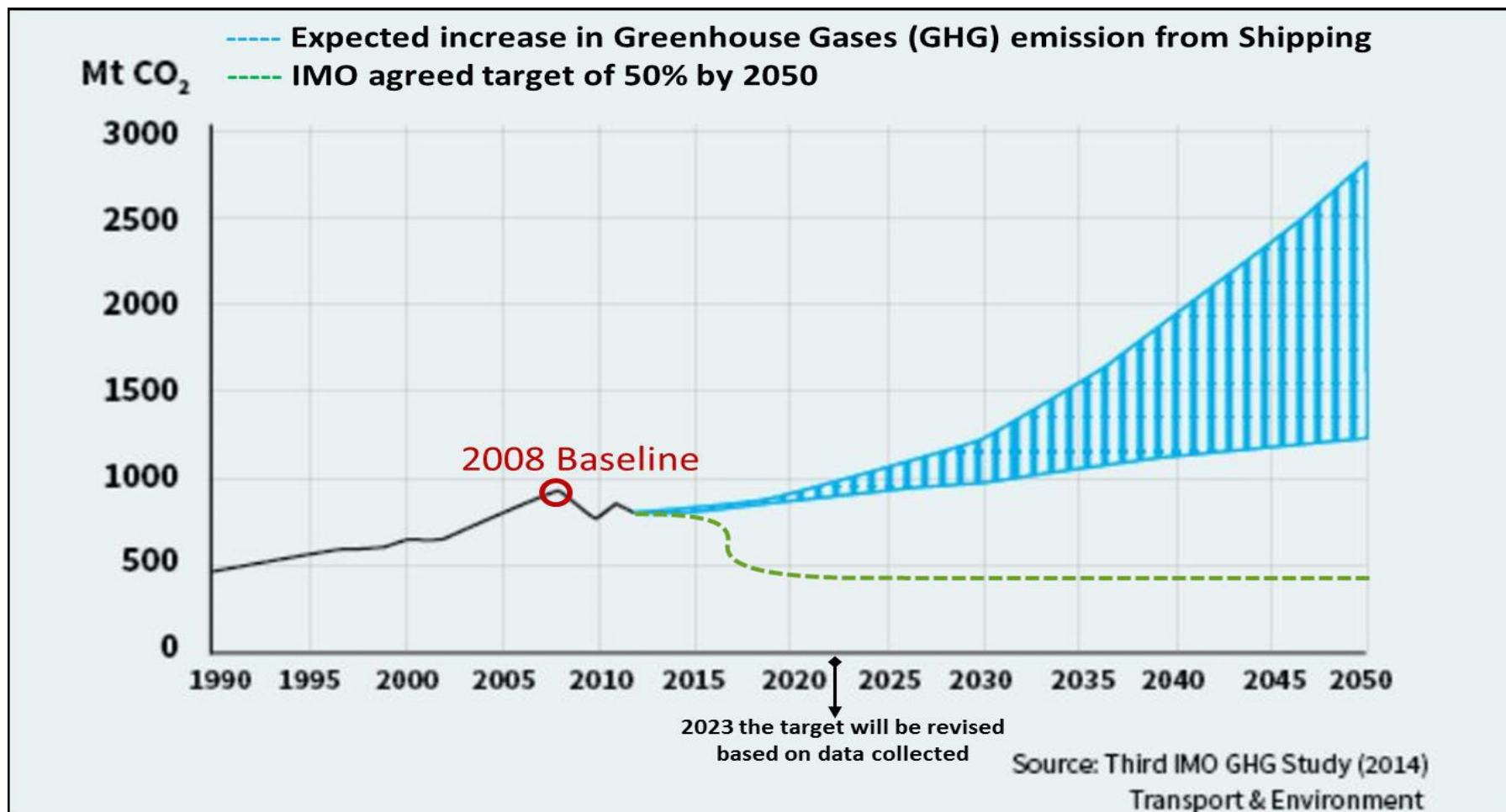
Five Key Trends Shaping the Port Industry:

1. Upsizing
2. Robotization & Automation
3. Adapting Labour Force
4. Digital
5. Drive to reduce CO2

"Nothing except bigger ships, we are still looking at anywhere from 25 to 35 moves per hour"



IMO has reached an agreement to reduce the shipping sector's greenhouse gas emissions by at least 50% by 2050, as compared to 2008 levels.

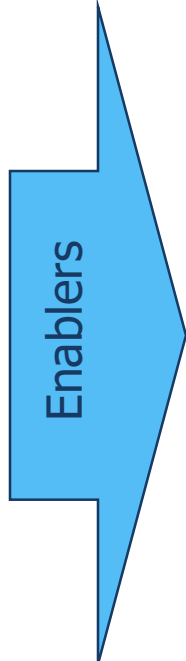


EMERGING TRENDS



Human Dimension

- Workforce Collaboration
- Safer Jobs
- Different Jobs
- Gender Diversity
- Continuity



Physical

- Vessel Upsizing
- Port as Hubs
- Customer Solutions-Specific Applications
- Ongoing Shift to Multi-Modal

Augmentation /Automation

- Remote Operated Equipment
- Autonomous Operations
- Operators as Supervisors & Technology Users

Digital

- Ports as Data Platforms
- Data Tracking
- Blockchain
- Cyber Security

Sustainability

- Ports as Renewable Power Stations
- Electrification of Equipment & Processes
- Emissions Reduction



Role of Government

- Infrastructure
- Regulatory Framework
- Trade
- Strategic Direction



Thank you

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