



GAME CHANGER IN PORT OPERATIONS AND MANAGEMENT

INDUSTRIAL
PORT
OPERATOR

Container Terminal Automation Real World Solutions (Webinar Conference)

Wednesday, 28th October 2020

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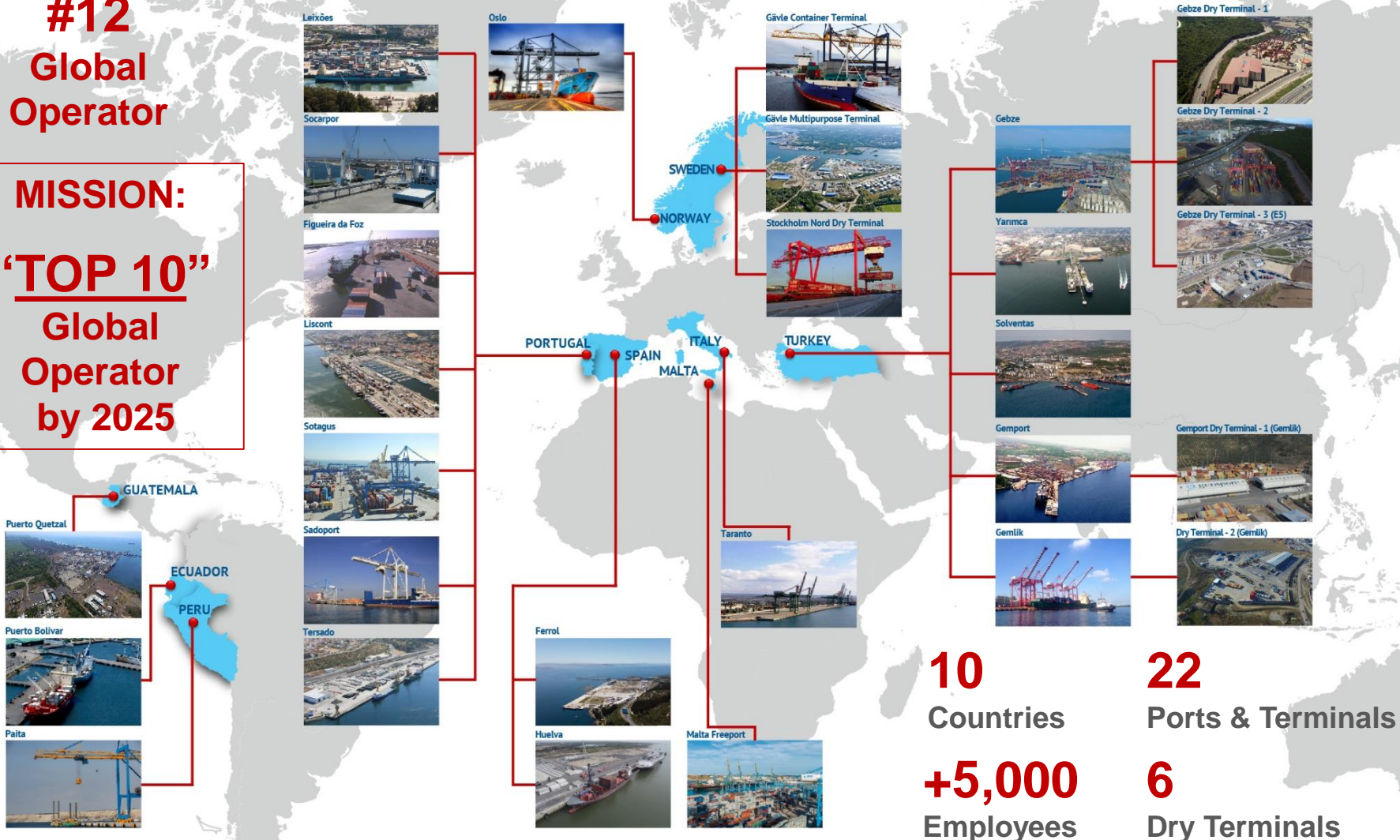
Chief Operating Officer, Yilport Holding Inc



YILPORT HOLDING the fastest growing International Container Terminal Operator (following Drewry 2019)

#12
Global
Operator

MISSION:
“TOP 10”
Global
Operator
by 2025



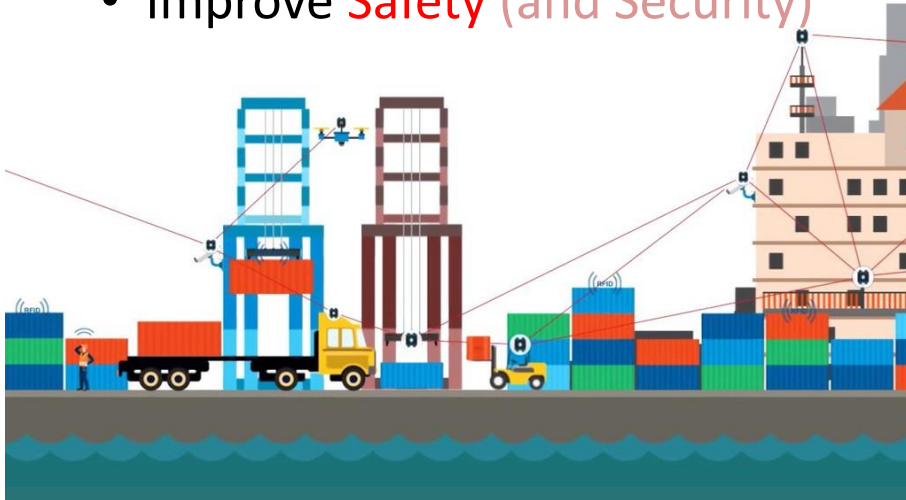
10
Countries
+5,000
Employees

22
Ports & Terminals
6
Dry Terminals

The Case for Automation

Why

- Improve **Efficiency & Productivity**
- Preserving **Environment & Sustainability**
- Reduce **Costs**
- Improve **Safety** (and Security)



Where

- Engineering / Technical
 - ✓ **Environment/Sustainability**
- Augmented Workforce
 - ✓ **HSSE**
- Operations
 - ✓ **Cargo Handling Equipment**
 - ✓ **Quayside**
 - **Lashing**
 - **Twist-lock Handling**
- Process Orchestration
 - ✓ **Vessel Call Management**
 - ✓ **Planning**

Automation Challenges

- SECURITY (and Safety)
- Scalability (up and down)
- Device/Sensor Management
- Wireless technology
- Data Ownership & Quality



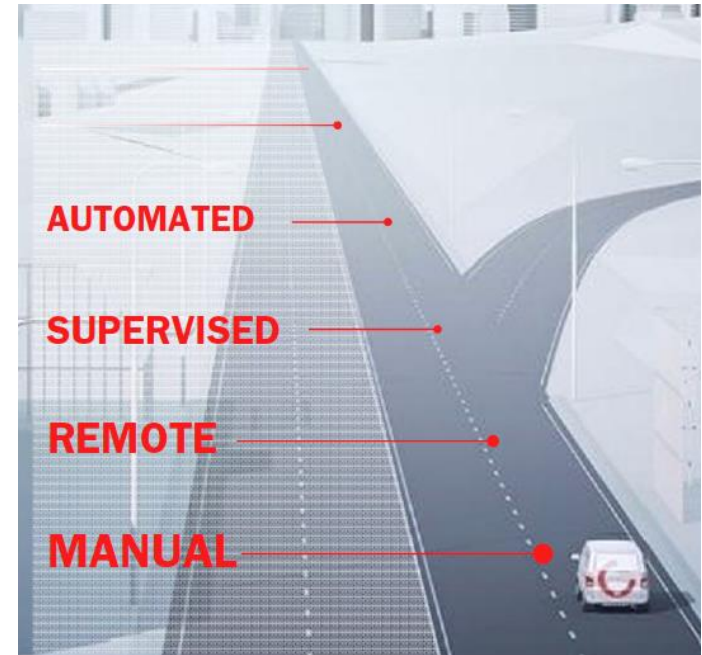
Terminal Automation - What Do We Have Already

- Gate OCR
- Crane OCR
- Auto Steering / Anti-collision Systems



Terminal Automation – In Progress

- Supervised Auto-RTG's
- Automation of Billing and Invoicing processes
- Automated Horizontal Transport



Terminal Automation – Considerations

- Implementing the system is just the beginning
- Scaling down to size
- Company culture / change management

