



# MANAGE-Y

YARD MANAGEMENT SYSTEM

Managing Cargo  
Movement Efficiently

In the age of digital disruption, the logistics industry operates on the edge of vulnerabilities such as political upheavals, environmental changes, demand fluctuations, altering delivery channels, and evolved customer expectations. Lack of visibility creates serious challenges across the supply chain ecosystem:

- Unoptimized retrieval due to lack of container visibility within the yard
- Inefficient storage optimization due to lack of visibility of empty slots
- Congestion at in/out gates due to lack of visibility of stacked containers & free slots
- Lack of information about hours elapsed by container leading to poor billing & invoicing
- Ineffective planning & inward/outward appointment scheduling

**69%**  
**companies**  
do not have complete  
supply chain visibility



An efficient yard management system that tracks the movement of trucks and trailers to provide end-to-end container visibility in real-time. Optimizes container retrieval, space utilization, billing, and scheduled planning.

## Real-time Container Visibility across the delivery chain yields



**Optimized container retrieval**



**Improved space utilization**



**Streamlined operations**



**Informed planning & decision-making**



**Accurate and transparent invoicing & billing**

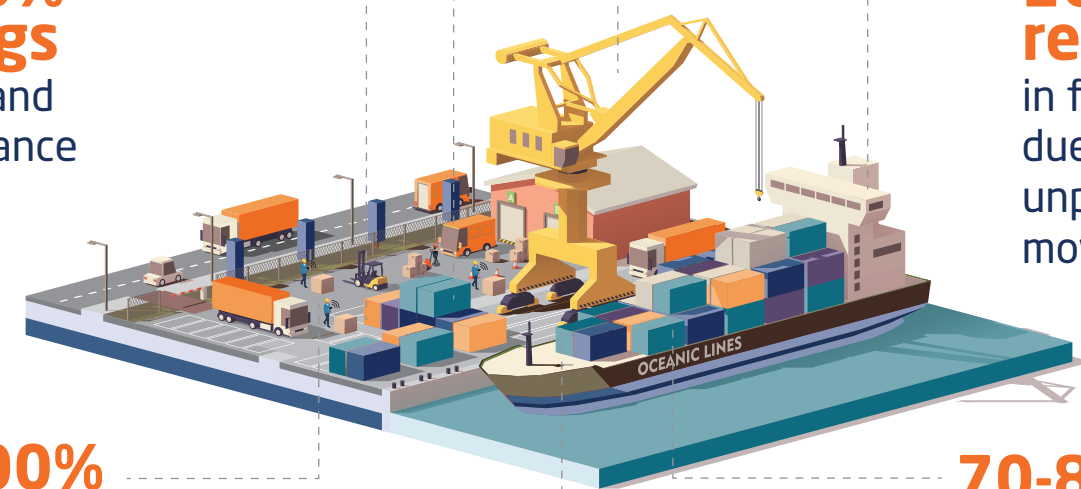
## End-to-end Visibility and Control with Manage-Y

**70-80% better**  
resource planning

**15-30% reduction**  
in crane movement

**20-30% savings**  
in labor and maintenance cost

**20-30% reduction**  
in fuel wastage due to unplanned crane movement



**98-100% accurate**  
detention and demurrage charge

**100% exact**  
dwell time for each container within the yard

**70-80% time optimization**  
searching for container

## Navkar Project

A case study



### Key objectives



Validate the entry and exit of all vehicles and containers at the gates



Validate correct containers are loaded on correct train; apprise Navkar authority in case wrong container is loaded on the train



Optimize manpower deployment



Reduce transaction time at gates

The scope of the logistics solution is to supply, install, commission and maintain Yard Management and Gate Operations Solutions at Navkar ICD Tumb facility - OCR and ANPR based Gate Automation solutions (GOS) for automatic capture of Container No. and Vehicle Number Plate. GOS is enabled through IVA platform. An RFID based Yard Management system detects correct location (x,y and z axis) of container in the yard container stack. The solution identifies dent and damage on container external body and shares the results to users. These solution processes integrate with Navkar's IT systems, which deliver and install hardware such as readers, tags, cameras, accessories, etc.

• Implementation period: 4 months

• O&M Period : 5 years



# Manage-Y Live



## About NEC

NEC is a leader in the integration of IT and network technologies and brings more than 120 years of expertise in technological innovation to provide solutions for empowering people, businesses, and society. Headquartered in Japan, NEC started its operations in India in the 1950s and expanded its business from telecommunications to public safety, logistics, transportation, retail, finance, unified communications, and IT platforms, serving governments, businesses, and individuals. NEC Logistics Solutions help streamline operations, save costs, and optimize resources across industries.

**1899**  
Established

**160+**  
Countries

**109K+**  
Employees

**49K+**  
Patents

For further queries & demonstration, please contact

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