

Maritime Supply Chain Risk Awareness

Prepared for MARIN Solutions
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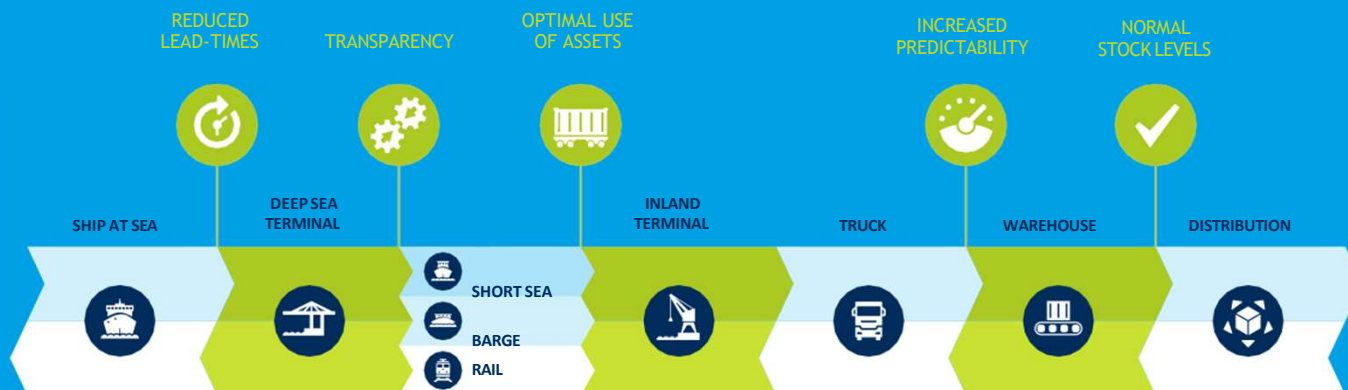
Overview & Structure

- 1. Introduction**
- 2. Risk Assessment & Preparedness**
- 3. Safety Responsibilities Overview**
- 4. Areas for Improvement**
- 5. Annexes & Discussion Points**

Introduction

“The new container cargo supply chain is clear. Consignors want transparency, predictability, and availability in the chain.”

Added to these requirements is a new demand: trusted partners





Consignors or Shippers and Freight Forwarders expect:

Client Expectations

Consignors and Freight Forwarders require transparency, reliability, and timely access across the supply chain

Digitalisation & Efficiency

Digitalisation is key to improving efficiency, reducing costs, and supporting sustainable logistics.

Geopolitical Pressure

Rising geopolitical concern demands are pushing the logistics sector towards more secure operations.

Digital Consultancy as Standard

Digital Consultancy is becoming a core expectation in freight forwarding services.

Driving Industry Change

Consignors, Shippers and Forwarders play a leading role in steering the industry to meet evolving customer demands.

Cargo is leading.

What remains critical in the Supply Chain ?

1. Heavy Incidents and Calamities in the Maritime Part of the Supply Chain
2. Risk Management of the Maritime Part of the Supply Chain.
3. Environment Safety Security Sustainability
4. Transport Transparency
5. Integrated Management System between Supply Chain Actors.
6. Efficiency Costs

Today's Objectives:

- Protect human life, property, and the environment.
- Strengthen process discipline and accountability.
- Improve and re-design integrated processes in the maritime industry.
- Create [(hi-tech) + (digital) + (smart) - (human error)] = cost & efficient cargo logistics

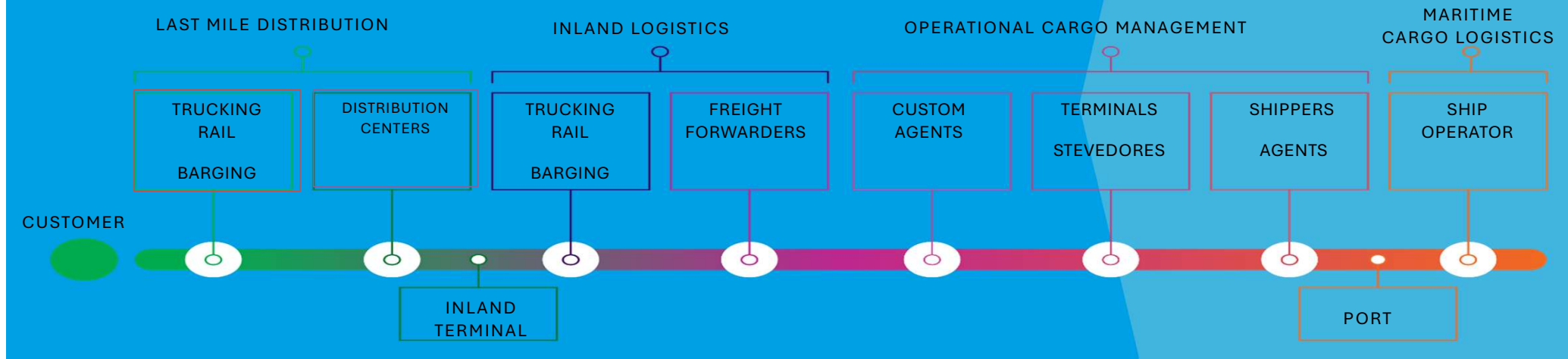
Some Direct Practical Examples:

- a. Standardised and Transparent Supply Chain Risk Assessment
- b. Human Factors Monitoring (Training, Drills, Certifications, Learning and Awareness)
- c. Advanced digitalisation
- d. Emergency Response and Preparedness
- e. Enhanced Equipment Inspections (Containers, Lashing and Securing)
- f. Controlled Maintenance Monitoring Programs

Risk Assessment & Preparedness

1. Identify Key Hazards & Vulnerabilities
2. Use and Develop Industry Standards
3. Develop and Implement Tools
4. Ensure Education and Training for all supply chain staff
5. Secure essential resources and data verification tools for secure communication
6. Digitalisation.
7. Smart Tools, Sensors, Dashboards, Tracking Tracing, Automated Reports

Safety Responsibilities Overview



1. Consignors: Accurate information & VGM declaration
2. Loading Stations: Correct Packing & Securing
3. Transporters: Condition verification & safe transport
4. Terminal Ship Planners: Stowage Planning & Compliance
5. Ship Command: Vessel Compliance Checks & Cargo Compliance Checks
6. Ship Operator: Vessel Compliance, Planning & Cargo Compliance Checks

Areas for Improvement

1. Human Factor & Process Discipline
2. Digitalisation & Transparency / Implementation Global Cargo System
3. Equipment Inspection & Maintenance
4. Governance & Accountability / Including Competent Authorities
5. Integrated Management Systems with tools and functionalities
6. Real-time data availability between Actors
7. Certified Operators based on ITL standards

Thank You

