



# Supply Chain Management and Logistics in the maritime industry.

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# Introduction To The World Of Maritime Industry

- Current globalization and borderless operations in manufacturing and service industry are creating greater demands for international transport and logistics.
- Maritime(shipping and ports) is one of the key components in this business pattern with up to 90% of global trading freight been moved by maritime mode.
- The maritime industry encompasses all activities related to maritime or coastal movement. This include all activities linked to coastal shipping, water ways, passenger movement and coast guard.
- The maritime industry of any nation generates substantial employment opportunity and boost national income and gross domestic product(GDP).

# Key Players In The Maritime Industry.

- Port Authorities
- Maritime Authorities
- Oil Exploration and Producing companies
- Shipping companies
- Logistics companies
- Other related bodies / companies

# Some Interesting Facts

- World's first merchant ship – MS Beluga SkySails which set off on its maiden voyage from Bremen to Venezuela
- World largest tanker – Knock Nevis, a norwegian own supertanker, formerly known as Sea Giant, Happy Giant and Jahre Viking. She is 458metres(1504feet) in length and 69metres(22feet) in width and has a deadweight of 564,763tonnes
- Largest bulk carrier – Berge Stahl, IMO No: 8420804, built 12/1986 and 365,000DWT
- The largest container ship – “The Triple-E Class” with a capacity of 18,000 twenty-foot containers(TEU) belonging to Maersk Line built by Koreas Daewoo Shipbuilding and Marine Engineering Co. Ltd. 400metres long, 59metres wide and 73metres high.

# Objectives Of Supply Chain Management and Logistics In The Maritime Industry

- It set out the evolution of supply chain thinking
- Identifies the challenges faced by organization
- The nature and means of formulating business strategies is first identified before looking at the scope of supply chain strategic planning
- Different perspective of producers, retailers, logistics service providers and the global scale of its operation

# Various Aspects Of Supply Chain Management and Logistics In The Maritime Industry

- Freight transport
- Global purchasing and supply
- Inventory and operations management
- Logistics and supply chain strategy
- Design and operation of logistics system
- Distribution centre design and management
- Maritime business and economics
- Maritime logistics

# Maritime In The Logistics Domain

- Planning and coordination
- Required service levels at lowest possible cost
- Ensuring economics of scale are achieved during bulk transportation
- Expertise in providing passionate logistics solutions to clients
- Multimodal transportation
- Networking with service providers
- Effective communication(Information flow)

# Maritime As An Element Of The Supply Chain

- Management of upstream and downstream relationships with suppliers and customers
- Sourcing of raw materials
- Distribution of finished products
- Pipeline visibility – Customers perspective
- Enhance the value chain by better coordination
- Achieving least cost to the supply chain as a whole



# Business Challenges Facing The Maritime Industry.

- Understanding limitations of sea transport
- Optimizing space utilization
- Transportation decisions
- Choosing the right mix
- Ability to make choice in different situations
- Understanding customer demand and ability to use resources efficiently

# Future Of The Maritime Industry

- Address important problems in the maritime supply chain
- Define an ideal way of working to be reached within the medium and long term future
- Identify skills and functionalities needed to implement the future of the maritime industry
- Analyse today's state of the art as well as ways the shipyard and suppliers work
- Fill gaps in the IT support
- Define levels of implementation
- Predict cost and benefits of the implementation level

THANK YOU