

Key features

- Based on the transport of standardized boxes
- Often called "box ships"
- 60% of the world trade is containerized (in value)
- The fastest growing segment in shipping
- FCL [Full container load]
- LCL [Less than container load]

The beauty of container shipping

- Standardization
- Permits door-to-door service
- No intermediate handling at transshipment points
- Low risk for cargo damage
- Quick transit
- Possibility to rationalize fleet
- Facilitates maximum use of modern integrated computer systems

Container types

- Dry storage
- Bulk
- High cube
- Tank
- Ventilated
- Open top
- Insulated
- Insulated
- Flat rack
- Refrigerated [Reefer]

History

- 1780s, for horse and carriage, military equipment
- 1830s, boxes shipped across continents
- Transporters, military container
- Conex container
- Malcom McLean

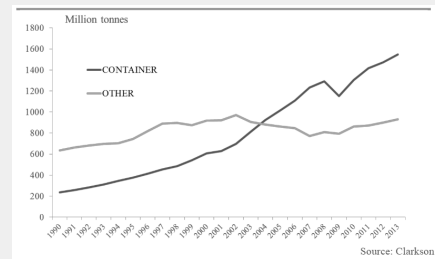
Container logistics

- Hubs –relay ports – primary ports
- Sea – land interface
- Scale of operation

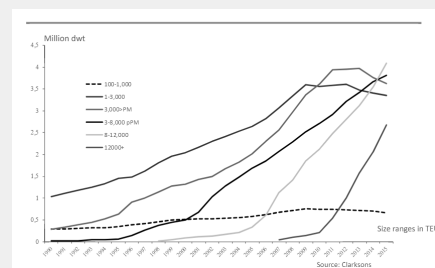
Problems

- Empty containers
- Containers falling off
- Piracy

World general cargo trade



Container fleet size development



Development of container ships

