Conflicting Pressures

- Transport underpins our global economy
  - Increase global growth
  - Reduce transport costs
  - Increase speed of vessels
  - Increase turnaround and automation in port
  - Economies of Scale

- Transport creates major problems
  - Working conditions
  - Pollution
  - Reduce stowaways
  - Sustainable development
  - Local ownership

IT
- Increase access to data
- Improve IT Security
Threats to Maritime Security

- Cybersecurity
  - Onboard, Ashore & AIS

- Pirates
  - Old vs. New

- Terrorism
  - Extremely tempting target

- Political effects
  - Flag States – MT Stena Impero

- Fraud
  - Paper documentation
Maritime vs. Land

- Very similar & very different business
  - Size of Consignment
  - Proximity to Consumers
    - Physically and in Value Chain

- Maritime – Easier to control
  - Difficult to access

- Containers – Bringing the 2 worlds together
Future

- Data
- IOT - Internet Connections
- Autonomous Vessels
  - Fewer crew
- Automated Systems
  - Less human oversight
- Connected Containers
- Reduce physical paper requirements
- Increase Transparency
- Increased Efficiency
Thank you