

# The Industry from the Eyes of a New Engineer



# Presentation Overview

- ① First Sea-going Experience
  - Life as an Engine Cadet
- ① Personal Experiences and Observations
  - Royal Caribbean International
- ① Technological Advances in the Industry and Future Technologies

# My First Ship



# The Beginning



# Life Onboard

- First few days were busy
- Had to adjust to daily routine and work





# Life Onboard



# Life Onboard



# Life Onboard





# Life Onboard



# Life Onboard



# Life Onboard

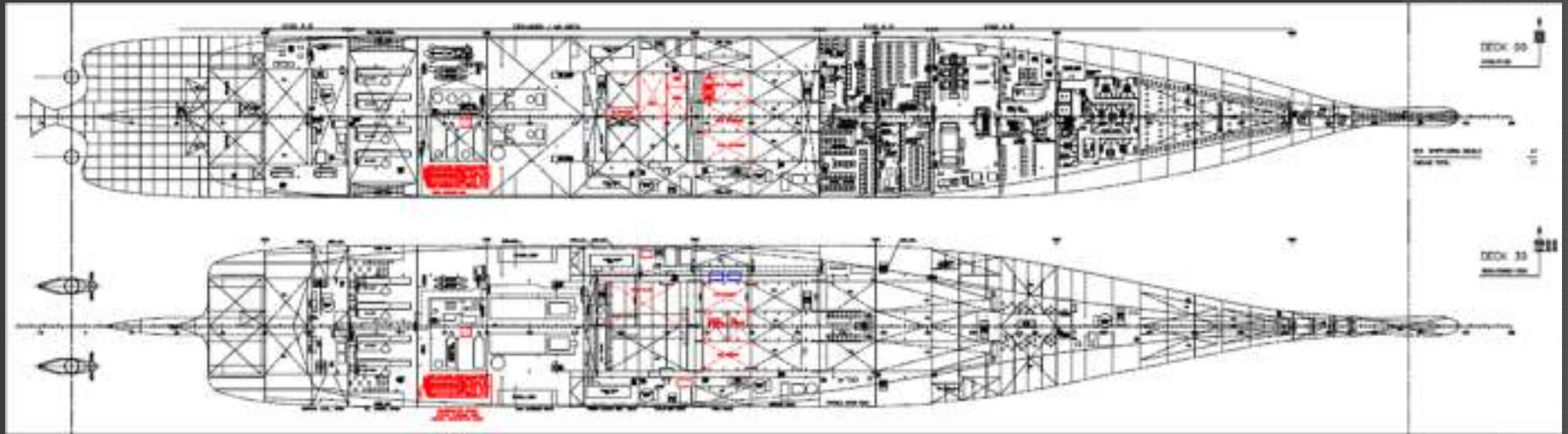




# Life Onboard



# Life Onboard





# Life Onboard



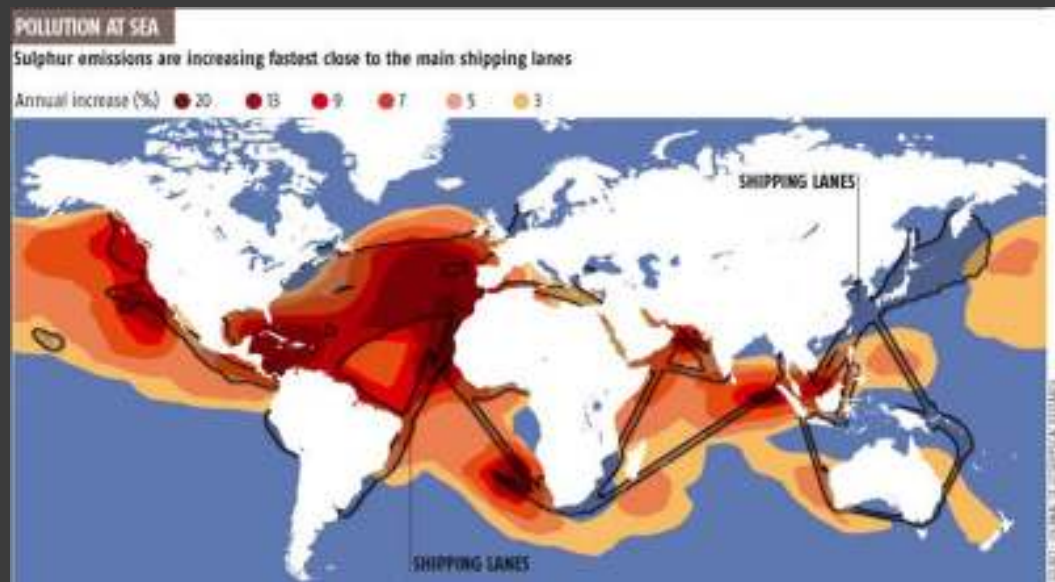
# Upcoming Technologies

- ◎ The Marine Industry is a prime candidate for alternate power sources as well as more cost-efficient and eco-friendly way to ship cargo and passengers.



# Alternate Power Sources

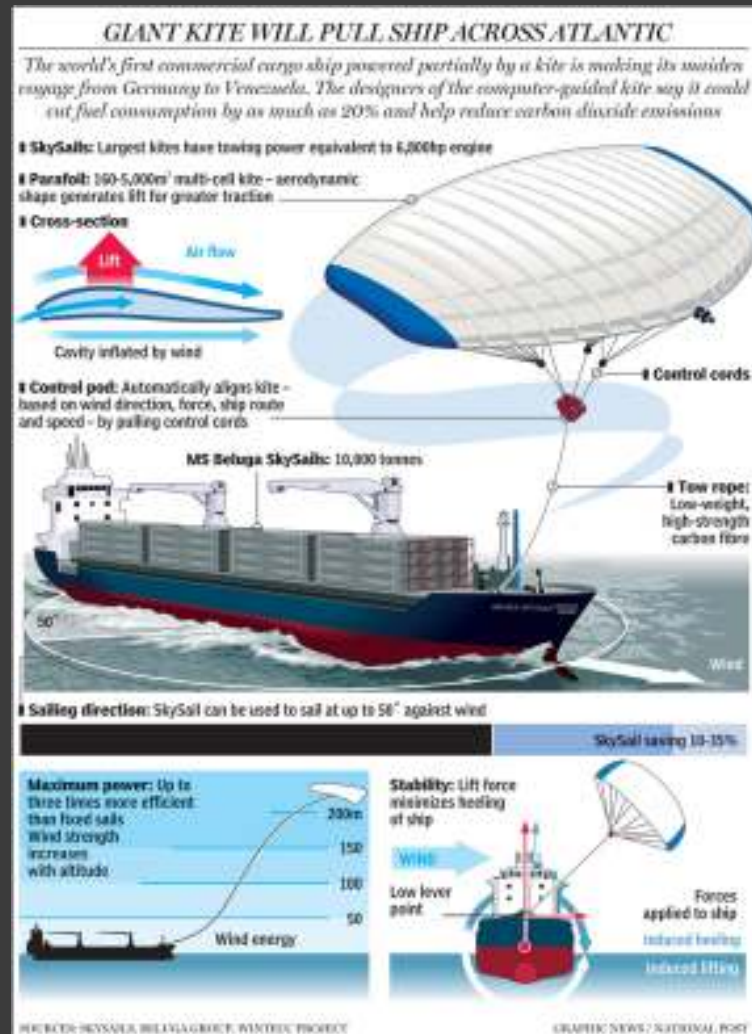
- ⦿ Wind (Kite, sails, and turbine)
- ⦿ Solar
- ⦿ Wave
- ⦿ LNG
- ⦿ Biodiesel (Algae)





# Beluga Skysails

- Partially powered by SkySails
  - Sails have power equivalent to 6800hp engine
  - Fuel savings of up to 20% and reduction of carbon dioxide emissions



# AquaSailor

- ⦿ Super Tankers that use Solar Wing sails with solar cell technology
- ⦿ Emission reductions of up to 50%





A photograph of a sunset over the ocean. The sky is a mix of dark blue and orange, with scattered dark clouds. The water is dark and calm. The text "Thank You!" is written in a bold, red, sans-serif font across the center of the image. The image has a decorative curved border on the right side.

Thank You!