



# Innovative Strategies for Driving the Transition to Net-Zero and Increased Safety for Shipping

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# Addressing the Challenges of Decarbonizing Shipping

## The Climate Facts:

### We must do our part

- Shipping accounts for up to 3% of global GHG emissions
- IMO's goal: net-zero carbon emissions by 2050

## The Challenge:

### Green Fuel Supply and Price

- Existing technology for green fuels: dual-fuel vessels
- Current supply of low GHG fuels is limited and expensive
- Green methanol costs 3 to 4 times more than fossil fuels

## The Solution:

### Global Regulation from the IMO

- Creating a competitive playing field between green and fossil fuels e.g., *WSC's Green Balance Mechanism*
- Ensuring cost-efficiency in decarbonization efforts
- Using funds to close the price gap between fossil and green fuels

# Improving Cargo Safety

## Current Safety Concerns

- Improper declaration of dangerous goods
- 55 vessels destroyed by fires in the past five years
- Over 200 fire incidents reported in 2023

## WSC's Cargo Safety Program

- New industry process for cargo screening and inspections
- Ensuring proper declaration of dangerous goods
- Includes rigorous inspection protocols, enhanced training, and best practices for cargo handling

## Digital Screening Solution

- Screening booking information to identify high-risk bookings
- Significant reduction in incidents and containership fires
- Safer and smoother transport for properly declared dangerous goods



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