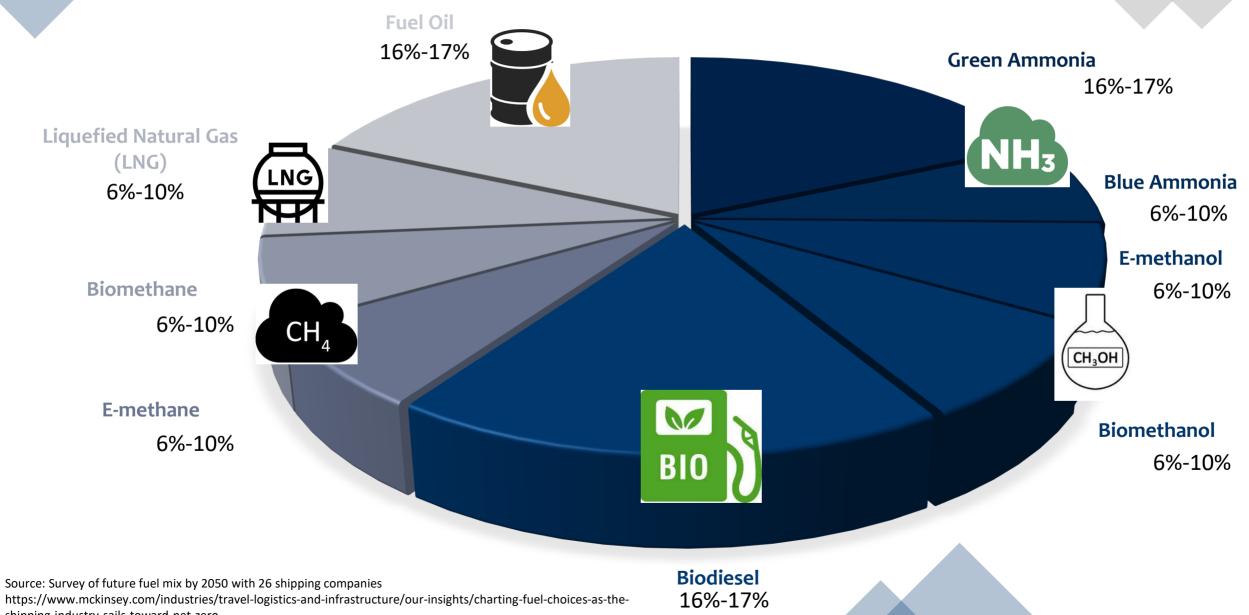


# **Climate Change**



#### **Maritime Decarbonisation**



https://www.mckinsey.com/industries/travel-logistics-and-infrastructure/our-insights/charting-fuel-choices-as-theshipping-industry-sails-toward-net-zero

# Challenges



Fuel Availability and Infrastructure

**Financing and Insurance** 



Technology, Risk & Safety

## Human Capital and Competencies



## **Core Competency Gaps**



#### **Technology Familiarization**



#### **Safety Protocols**



**Energy Management** 



Cybersecurity



**Environmental Awareness** 

### **About CEMS**



Innovation in Training Solutions



Partnership with SMA



**Journey with Industry** 



**Positioned for Future** 



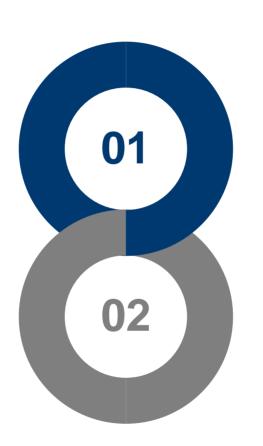
## **Key Initiatives – New Fuels**

#### **Technology Familiarization**



Handling of new fuel







Electrification



# **Key Initiatives – New Fuels**

**Safety Protocols** 









Responses to Risk and Emergency





Ammonia Industry Workshop



## **Key Initiatives – New Fuels**

#### **Energy Management**

# Optimizing vessel speed Route planning 03 **Energy-saving operational** strategies

#### Cybersecurity

