

# LCHS HYDROGEN

## COURSE OBJECTIVES

To provide participants with comprehensive knowledge and practical simulator-based competency in Liquefied Hydrogen (LH2) cargo handling, bunkering operations, cryogenic safety systems, emergency response procedures, environmental compliance, and operational best practices for hydrogen-fuelled and hydrogen-carrying vessels.

## ABOUT THE COURSE

This five-day training programme provides maritime professionals with theoretical and simulator-based practical training on the safe handling and operation of Liquefied Hydrogen (LH2) systems onboard vessels and at marine terminals. The course covers hydrogen fundamentals, cargo handling, bunkering operations, emergency response, environmental compliance, and international regulations related to hydrogen shipping.

## PARTICIPANTS

Deck Officers, Engine Officers, Ship Crew and Ratings, Port and Terminal Personnel, Safety Officers, Marine Engineers and Technical Staff, Maritime Training Personnel, Alternative Fuel and Sustainability Professionals

## DURATION

3 Day Training for Operations and 5 Day Training for Management

## KEY TOPICS

- Introduction to LCCHS Hydrogen and Cryogenic Properties
- LCCHS Hydrogen Cargo Handling and Bunkering Operations
- Cryogenic Safety Systems and Risk Management
- Emergency Response and Incident Handling Procedures
- Environmental Compliance and Operational Best Practices

## TRAINERS



### **CE Saurabh Kaushik**

Mr. Saurabh Kaushik joins Charismight as Superintendent (Technical). A veteran maritime professional, he brings over 20 years of experience operating LPG, LNG, and Ammonia carriers. His expertise in operations and training strengthens Charismight's commitment to excellence.



### **CO Indranil Chitrao**

Mr. Indranil Chitrao joins Charismight as Superintendent (Technical). A seasoned maritime professional, he brings extensive sailing and shore-based experience across Chemical, LPG, and Product Tankers, along with expertise in voyage optimization and weather routing. His strong background in operations, navigation, and maritime training further strengthens Charismight's commitment to operational excellence and industry expertise.