

BIO-DIESEL AS A MARINE FUEL

COURSE OBJECTIVES To provide participants with comprehensive technical and operational knowledge of bio-diesel and marine biofuels, including production methods, fuel properties, engine compatibility, operational challenges, environmental benefits, and compliance with IMO and MARPOL regulations.

ABOUT THE COURSE This course provides an in-depth understanding of bio-diesel and marine biofuels as alternative fuels in the shipping industry. It covers the evolution of biofuels, production technologies, fuel classifications (FAME, HVO, B24, B100), physical and chemical properties, engine compatibility, storage and handling issues, and operational challenges onboard ships. Special emphasis is placed on emission reduction, environmental impact, MARPOL Annex VI compliance, and lessons learned from engine trials on MAN B&W, Wärtsilä, and Caterpillar engines

PARTICIPANTS Marine Engineers (ME / AE), Ship Operators & Technical Superintendents, Ship Managers and Fleet Managers, Fuel & Bunkering Professionals, Maritime Safety and Compliance Personnel

DURATION One day

KEY TOPICS

- Introduction to Bio-Diesel & Marine Biofuels
- Biofuel Types & Classifications (FAME, HVO, B24, B100)
- Fuel Properties, Storage & Handling
- Engine Compatibility & Operational Challenges
- MARPOL Annex VI Compliance & Emission Reduction

TRAINERS



Saurabh Sinha

Saurabh Sinha, Superintendent (Technical), is a maritime professional with expertise in LNG Tankers and nearly 10 years of industry experience. Having sailed in various ranks, he currently serves as a Cargo Engineer, overseeing LNG loading and discharging operations along with the management of reliquefaction systems for boil-off gas. His operational expertise supports the safe and efficient transportation of LNG at sea.