

# Marine Fuel Management Course

## Course Content:

- **Fuel Cost Impact on Ships Business & Environment**
- **Fuel Composition and Refining Processes**
- Marine Fuel Properties & Quality Specifications
- Engine & Boiler's Fuel Specification Requirements
- Bunkering, Fuel Sampling & Laboratory Analysis
- Onboard Fuel Treatment i.e. Purification, Viscosity Control, Additive Dosing, etc.)
- Emission Control Areas & Regulations
- Low Sulfur Fuel & Operational Challenges
- Bunker Trade Tricks & Anomalies
- Use of Viscosity-Temperature Chart
- Case Study & Bunker Alerts
- LNG/Natural Gas as Marine Fuel

## 2-day Training Course For:

- Ships' Engineers and Supt.
- Ship Owners & Charterers
- Bunker Suppliers & Purchasers

## Course Summary & Objective:

- Participants will Learn Effective Fuel Management, Efficient Fuel Treatment & Control, Fuel Related Regulations (i.e. ECA, SECA, CARB, EU Regulations, etc.) , Compliance and Operational Challenges using Low Sulfur Fuels.
- Company will be able to reduce Operating costs, Comply with current regulations, Increase Competitiveness and Reduce Environmental Pollution.
- The training can be done exclusively/in-house to a company, Course Contents and Duration can be revised to suit client's needs and preferences.

## Schedule and In-house Training

- The course is regularly being conducted at hotel or training center
- For economy, convenience and tailor fitted topics, training can be done in-house and exclusive to a company either in their facility or other venue.



## Course Trainer/Facilitator: Albert Aloc



**Albert** is the Chief Consultant/Founder of A Aloc Energy Consulting. He was a former Tech Supt., Capability Devt. Mgr. and Tech Mgr./Director from various international shipping companies. He also worked as Sr. Lecturer at **Wartsila**, Fuel & Lubrication Engr. at **SHELL**, Engine Instructor at **K-Line**, and Performance Engr./Consultant at **Hoegh Lines**. Albert also held Senior Management positions in Power Industry such as Plant Mgr. at **Rolls-Royce** and Director/VP for Power Generation at **Covanta Energy** (an American Independent Power Producer).