



# Fuel Management Course



Alfa Laval and Veritas Petroleum Services (VPS) have held the Fuel Management Course together for the last 20 years. Thousands of satisfied participants have undergone this training, and many choose to “top up” their fuel knowledge after a number of years by taking the course again.



It is no secret that the fuel industry has changed a great deal in the last 10 years. The fuel on the market is more complex, and the introduction of ECAs is resulting in low-sulphur fuels with some particular operational issues. New changes in ECAs as of 1st January 2015, which force a choice between MGO/MDO or a scrubber solution, increase the complexity and operational challenges on board ships.

The Fuel Management Course provides answers and recommendations as to how to handle bunkering, sampling, storing and treatment of the fuel on board.

## Dates and venues

For the latest on upcoming course dates and venues, as well as registration information, please visit the Fuel Management Course web page:

[www.alfalaval.com/fmc](http://www.alfalaval.com/fmc)

This course gives you answers to the following questions:

- What problems are anticipated with future fuels? What should be expected when changing between fuels and which issues are involved?
- How often is poor-quality fuel oil bunkered?
- What consequences do ship operators in ECAs face?
- What implications do the changes of 1st January 2015 have for operators?
- How does fuel quality affect the fuel cleaning plant and engine operation?
- How can the fuel cleaning plant be adjusted for the best performance?



## Course topics

Due to the upcoming changes in ECA regulations, the Fuel Management Course is now divided into two parts. Days 1 and 2 cover standard HFO operation, while day 3 is dedicated to distillate challenges. The following topics will be covered:

### Standard FMC, day 1 and 2

- Crude oils – sources/compositions
- Petroleum fuel demand
- Marine fuel qualities worldwide
- Fuel testing – accuracy of test methods
- Damage to machinery
- Emission regulations
- Capabilities of fuel treatment plants
- System know-how
- Optimal fuel treatment
- Centrifuge operation
- Emergency operation

### Distillate, day 3

- Gas oil – sources/compositions
- Emission regulations
- Fuel testing – accuracy of test methods
- Damage to machinery
- Capabilities and recommended installation of fuel treatment plants
- Optimal fuel treatment
- Centrifuge operation

## Target group

The Fuel Management Course is intended for both seagoing and shore-based staff, technical as well as operational. In addition to marine customers, we recommend the course to port state authorities, clubs, oil suppliers, engine manufacturers or anyone with an interest in the marine industry and fuel.



## Course fees per participants are as follows

### Standard FMC + distillate (all three days): EUR 1,700 (excl. VAT)

The fee includes:

- Dinner on day 1
- Mid-morning and afternoon coffee and tea breaks
- Lunch on all three days

### Standard FMC (days 1 and 2): EUR 1,350 (excl. VAT)

The fee includes:

- Dinner on day 1
- Mid-morning and afternoon coffee and tea breaks
- Lunch on both days

### Distillate (3<sup>rd</sup> day): EUR 700 (excl. VAT)

The fee includes:

- Mid-morning and afternoon coffee and tea breaks
- Lunch

## To register and/or learn more

please contact your local Alfa Laval or VPS representative, or visit [www.alfalaval.com/fmc](http://www.alfalaval.com/fmc) or [www.v-p-s.com](http://www.v-p-s.com)

## Questions regarding the course?

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