

General tanker safety training course

Aim: The target of this training course is to familiarize trainees with the international tanker trade. Safety plays an essential role for operating tankers. The landscape of oil majors and large tanker companies is displayed and pro's and con's will be discussed.

Day 1 Timetable:

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| 08:00-10:00 | Loading and Discharging Plans <i>(Critical stages, ballasting and tank pressure monitoring, topping off and stripping of cargo tanks, stability, shear forces and bending moments, pumping limitations and ballasting sequences)</i> |
| 10:00-10:15 | Coffeetime |
| 10:15-12:00 | Ship-Shore interface <i>(Ship Shore Safety Checklist, Gangway safety, Vapour return procedures, shore stops including pigging operation and line blowing)</i> |
| 12:00-12:30 | Lunchtime |
| 12:30-14:00 | Practical group exercises - Tanker emergency response <i>(Real life emergency scenarios will be presented and have to be solved by the group, It will be important to initiate correct response measures and follow the right reporting procedures.)</i> |
| 14:00-14:15 | Coffeetime |
| 14:15-16:00 | Discussion and presentation of results <i>(The results of the group work exercises will be discussed and correct solutions will be presented. Aim of the exercise is to bring practical experience to the participants and take away concerns when preparing results for the first time)</i> |
| 16:00-16:30 | Q&A for day 1 |

Please see next page!

Day 2 Timetable:

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|-------------|--|
| 08:00-10:00 | Tank cleaning and tank pressure monitoring <i>(Problems with tank vacuum and Pressure/Vacuum valves, examples of tank structural damages, Tank cleaning with fixed tank cleaning machines, Squeezing of Chemical tanks, Washwater Recycling, Effective Tank Cleaning, Manual tank cleaning operation, Problems with gas concentrations and results of tank cleaning)</i> |
| 10:00-10:15 | Coffeetime |
| 10:15-12:00 | Sampling, Ullaging and Liquid Cargo claims <i>(Safe sampling procedures, Safety precautions, Closed sampling and open sampling procedures, Calculation examples for quantity in air and vacuum, Volume claims and quality claims, Pracitcal examples)</i> |
| 12:00-12:30 | Lunchtime |
| 12:30-14:00 | Workshop Cargo planning <i>(The participants will preapare cargo loading plans and discharging plans and discuss pro's and con's of the setup, Sability, shear forces and bending momennt have to be considered, Operational requirements from terminals and surveyors hav to be taken into consideration)</i> |
| 14:00-14:15 | Coffeetime |
| 14:15-16:00 | Presentation of results <i>(The participants will see better ways to improve the cargo planning and cargo tranfer sequences, Correct solutions will be presented and thoroughly discussed)</i> |
| 16:00-16:30 | Q&A and closing meeting |