



AKADEMIE FÜR AFS
SCHIFFSSICHERHEIT e.V.



FOR SEAFARERS WORKING ON BOARD VESSELS USING
GASES AND OTHER LOW FLASHPOINT FUELS

IGF-CODE

The usage of alternative fuels for ships has increased significantly in recent years due to the stringent regulations for exhaust gas emissions. In this context, liquefied gases (e. g. LNG) and other alternative fuels with a low flash point, such as methanol, are used.

Low flashpoint fuels require special safety equipment on board, which is regulated by the „International Code of Safety for Ships using Gas or other Low-flashpoint Fuels“ (IGF-Code).

For crew members in charge for bunkering and operation involving these fuels, special qualification and training is required since 2017.

Our institute provides the training for seafarers according to the STCW-Code chapter A-V/3 on both, basic (§4) and advanced level (§7), and is certified by the German Federal Maritime and Hydrographic Agency (BSH).

All Seafarers with designated safety duties associated with the care, use or in emergency response to the fuel system shall hold a certificate in *basic training* according to STCW A-V/3 §4.

Our course concept:

Duration:

- blended learning - 20h self study with web based learning
- 4 days presence training, including 2 days for special fire fighting module

Contents:

- basic physical and chemical knowledge
- design & equipment
- operations, bunkering
- fire fighting and emergency response
- experiments with cryogenic gases
- process simulation

Group and individual course fees are available on request.





ADVANCED TRAINING

Masters, officers and engineers with immediate responsibility for the care and use of fuels and fuel systems shall hold a certificate in *advanced training* according to STCW A-V/3 §7.

Our course concept:

- Duration:**
- blended learning - 20h self study with web based learning,
 - 2 days presence training
- Contents:**
- advanced physical and chemical knowledge
 - gas theory and fuel properties
 - complex process simulation
 - bunker planning exercise
 - risk assessment and emergency response

Group and individual course fees are available on request.

Each of our participants receives a *certificate of participation* after completion of the training. To fulfil STCW-requirements a *certificate of proficiency* has to be obtained from the BSH.

The general requirements are:

- basic safety certificate
- medical certificate

In addition:

for the IGF-basic-certificate:

- + completed IGF-Basic training course
- + completed Shore based fire fighting module

for the IGF-advanced-certificate:

- + IGF-Basic certificate
- + participation in 3 bunker operations on board
- + completed IGF-Advanced training
- + one month of seagoing service on a vessel subject to the IGF-Code



CERTIFICATION

How to find us:

Follow the B103 to Warnemünde.

At the intersection next to the ARAL gas station turn left to the *Technologiezentrum Warnemünde (TZW)*



Your training provider:

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We develop our courses to your training requirements - please feel free to contact us for further information!

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