



SMT

STREAM MARINE TECHNICAL

ALTERNATIVE FUELS & SYSTEMS
TRAINING COURSES

TABLE OF CONTENTS

- STCW Basic Training for Service on Ships using Fuels Covered within the IGF Code (BIGF)
- STCW Advanced Training for Service on Ships using Fuels Covered within the IGF Code (AIGF)
- SMT Liquefied Natural Gas (LNG) Awareness
- SMT Methanol Awareness
- SMT Ammonia Awareness
- SMT Hydrogen Awareness
- SMT Battery and Fuel Cell Integration
- SMT Managing EV Battery Fires at Sea
- IGF Code Awareness & Inspection Readiness





Who are Stream Marine Technical

Stream Marine Technical was launched in 2017 to provide specialist training and consultancy in the safe use and handling of new and alternative fuels. Established to support the maritime industry's transition towards net zero by 2050, we combine technical expertise with practical innovation to deliver courses tailored to the needs of the global shipping industry.

Our advisors bring extensive industry experience and have already supported shipbuilders, operators, and major shipping companies across multiple sectors. By offering customised training and consultancy options, Stream Marine Technical helps crews and vessels prepare for the fuels of the future and move confidently towards a greener horizon.

Flag Approved Basic IGF Training



The MCA/BMA approved Basic Training for Service on Ships using Fuels Covered within the IGF Code intends to provide a basic training for seafarers responsible for designated safety duties associated with the care, use or in emergency response to the fuels on board ships subject to the IGF code. This course will cover how to:

- Contribute to the safe operation of a ship subject to IGF code
- Take precautions to prevent hazards on a ship subject to the IGF code
- Apply occupational health and safety precautions and measures
- Respond to emergencies
- Take precautions to prevent pollution of the environment from the release of fuels found on ships subject to the IGF code

Prerequisites:

- STCW Tanker Fire Fighting (for MCA approved training only)
- Photographic ID (A Government issued, photographic proof of identity on the day of the course and this should take the form of either a valid Passport or a driving license or a valid discharge book).

MCA or BMA BIGF 2 Days In-house / Webinar

Flag Approved Advanced IGF Training

This course covers the hazards, operational requirements and safety considerations of working with low flashpoint fuels covered by the IGF code. We will enhance the training experience with practical experiences, and the course will cover the safety of operations in depth.

Prerequisites:

- 1 month seetime on ships covered by the IGF code
- At least 3 bunkering operations on IGF code vessels. Two of the three bunkering operations can be replaced by simulator when completing the course.
- STCW Certificate of Proficiency in Basic Training for Service on Ships Using Fuels covered within the IGF code.



MCA or BMA AIGF

5 Days In-house

Liquefied Natural Gas

An aerial photograph of a large industrial facility, likely an LNG terminal, situated along a body of water. The facility features numerous large white storage tanks and complex piping. A large LNG carrier ship with four white spherical tanks is docked at a pier, connected to the terminal by a series of yellow and white mooring lines. Other smaller vessels and barges are visible in the water. The sky is clear and blue.

SMT Liquefied Natural Gas (LNG) Awareness

This course introduces the fundamentals of Liquefied Natural Gas (LNG) as a marine fuel. It focuses on the theory behind LNG fuel systems, hazards, and safe operating procedures within Safety Management Systems (SMS).

Delegates gain a clear understanding of risk management and the operational challenges of LNG bunkering and storage. While primarily classroom based, the course includes selected demonstrations to reinforce key safety concepts.

Designed for personnel working with LNG as a vessel fuel, it builds essential awareness to support safe and compliant operations.

No Prerequisites for this course

1 Day Course

Methanol Awareness

This course provides an introduction to Methanol as a marine fuel, covering fuel systems, hazards, and safe operating procedures within Safety Management Systems (SMS). Delegates gain insight into risk management and the operational challenges of methanol bunkering and storage.

Delivered through classroom-based learning with a focus on applied knowledge and safety awareness, the course equips vessel crew and shoreside staff with essential understanding to support safe and compliant operations.

No Prerequisites for this course



1 Day Course

Ammonia Awareness



Ammonia Awareness Training

This course introduces the properties and hazards of Ammonia as a marine fuel. Delegates gain an understanding of fuel systems, safe procedures, and risk management within Safety Management Systems (SMS).

Delivered through classroom-based learning with a focus on applied knowledge and safety awareness, the training highlights the operational challenges of ammonia bunkering and storage. Suitable for vessel crew and shoreside staff who require awareness but not full IGF Code certification, the course equips participants with essential understanding to support safe and compliant operations.

No Prerequisites for this course

1 Day Course

Hydrogen Awareness



SMT Hydrogen Awareness Training

This course introduces the properties and hazards of Hydrogen and Cryogenic Hydrogen as marine fuels. Delegates gain an understanding of fuel systems, safe procedures, and risk management within Safety Management Systems (SMS).

Delivered through classroom-based learning with selected practical demonstrations, the training highlights the operational challenges of hydrogen bunkering and storage.

Suitable for vessel crew and shoreside staff who require awareness but not full IGF Code certification, the course builds essential knowledge for safe and compliant operations.

No Prerequisites for this course

1 Day Course

Battery & Fuel Cells Integration



SMT Battery and Fuel Cell Integration

This course provides an introduction to fixed battery and fuel cell installations in marine applications. Delegates gain insight into system applications, construction, hazards, legislation, and operational requirements, with dedicated sessions on both battery and fuel cell technologies.

The training develops awareness of the risks and operational challenges associated with these energy systems, supporting safe integration within Safety Management Systems (SMS) and effective risk management practices. Tailored options are available to align with company SMS and client-specific requirements, ensuring relevance to individual operations.

By the end of the course, participants will have the knowledge and confidence to understand battery and fuel cell systems, recognise associated hazards, and apply safe procedures in line with industry standards.

No Prerequisites for this course

1 Day Course

Managing EV Battery Fires at Sea



SMT Managing EV Battery Fires at Sea

This one-day course provides safety and awareness training for vessels carrying battery-powered vehicles. Delegates gain knowledge of battery construction, fire behaviour, and the risks associated with thermal runaway.

The training develops understanding of prevention and mitigation strategies for battery fires onboard, including recognising the signs and symptoms of thermal runaway, and implementing procedures to protect vessel structures, surrounding cargo, and the environment. By the end of the course, participants will be equipped to identify hazards, apply effective safety measures, and respond appropriately to incidents involving battery-powered vehicles.

No Prerequisites for this course

1 Day Course

IGF Code Awareness & Inspection Readiness



SMT IGF Code Awareness & Inspection Readiness

This course equips Flag State inspectors, Port State Control officers, classification society surveyors, and maritime safety professionals with the knowledge and confidence to assess compliance with the IGF Code.

Delegates gain an understanding of the Code's scope, requirements, and links to other regulations, alongside practical insight into inspection best practices, documentation checks, and common non-conformities. The training highlights key risk areas such as fuel system design, fire safety, ventilation, and bunkering procedures, ensuring participants are prepared for effective inspections and audits.

No Prerequisites for this course

1 Day Course

Bespoke Courses



At Stream Marine Technical, we deliver tailored training solutions to meet the specific needs of each client. All Alternative Fuels and Systems courses can be customised to align with company requirements, ensuring relevance to your operations and safety management systems.

Our bespoke approach guarantees that every course provides the highest quality learning experience, designed to fit seamlessly with your organisational goals and compliance standards.

How to contact us

Our team is here to support your training and competency needs. Get in touch to explore how Stream Marine Technical can deliver the right solution for your operations.

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