



Managing Heat Stress and Handling H₂S (Hydrogen Sulfide)

3 Ways to Deliver
Choose your preferred learning path





Managing Heat Stress and Handling H₂S (Hydrogen Sulfide)

Overview

This course aims to provide new and existing operators in the Port of Fujairah with the knowledge, understanding, and skills they need to manage Heat Stress and handle H₂S (Hydrogen Sulfide) in the workplace. Heat Stress and H₂S are two very important subjects for employees in the storage terminal and liquid bulk storage industry throughout Fujairah, and this course provides valuable information that can help operators remain safe and handle these hazards with ease.

Participants will learn about the effects and dangers of Heat Stress and H₂S exposure, how to handle them, how to mitigate their effects, and how to respond to emergencies. By the end of the course, participants will be well-equipped to manage Heat Stress and handle H₂S in a safe and efficient manner.



3 Ways to Deliver Choose your learning path



Online



**Hyflex
Virtual**



**Hyflex
Classroom**

Learning Delivery Solutions

All our online courses are available in multiple languages
and have subtitle options

3 Ways to Deliver



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01



Online

Our online model consists of online, pre-recorded videos that are made to be self-paced and interactive with features like,

- Pop-up quizzes
- Online assessments and exam with Certification
- Student forums
- Creation of online notes
- Student and teacher dashboard

02

Hyflex Virtual

This is an e-learning model that consists of,

- All features of the online solution
- Live virtual Face-to-Face interaction, support and coaching
- Trainer support through meeting collaboration platforms
- We also provide trainers that can speak your native languages



03



Hyflex Classroom

Hyflex Classroom is a one-of-a-kind, unique solution that makes use of various digital technologies to stream the face-to-face classes. It provides,

- All features of the Online and Hyflex Virtual solutions
- In person, face-to-face lectures and classes
- Simultaneous online streaming of the classes held
- Live Q & A sessions
- In-class Online Exam with certification



All our course content can be customized and designed with your company brand.



Digital Learning

Our courses are delivered through a digital learning platform that is completely virtual but also has features that derived from the traditional classroom like making notes, giving exams, and completing assessments. Our digital solution makes it easy to follow, track and is accessible from anywhere around the world.



API Integration

Bringing digital learning to you had to be unique especially in today's day and age where technology is rapidly advancing. Our course delivery solutions are integrated with apps like Kapwing, Youtube Studio, MS Teams, Trello Management, OOTBOX.app Producer, OBS, Reaper and Voicemeeter



Multi-Lingual Platform

At Tankskills, inclusion is very important to us! We want to welcome people from all over the world and from different walks of life. No matter what language you speak or would like to learn in, we seek to cater to that. We offer a variety of multiple languages along with subtitle options for our users too.



Online Portal for Assessments

While engaged in our online and hyflex courses, the users can complete their assignments, quizzes and exams online. This is inline with our remote friendly course delivery options as we believe in making education accessible to all.



Status Reports

Our users are also able to generate status reports from their dashboards in order to get an overview on the courses they are engaged in. This helps to track progress in a more organized and systematic way. This option is available to both, students and training producers.



Student Forums

All our students will have access to a student community board where they can ask questions and answer other student's queries as well. They will have access to the forums, chats that are not only existing but also past forums that are related to the course they are enrolled in.



F2F Virtual Trainer Support

Our hyflex classroom students can now avail support from our trainers regarding their course or a topic. This is done via email or a Microsoft Teams meeting and 1 assistant course instructor onsite as well.



Competency Framework

All our course content follows international guidelines and standards like the OCIMF and are validated through Subject Matter Experts before being approved to be a part of a course. We want to ensure the best practices among our users and make it available even in the most remote of locations.



Course Outline

Managing Heat Stress and Handling H₂S (Hydrogen Sulfide)

MODULE 1: Heat Stress and H₂S Hazards in the Industry (Understanding)

- Overview of Health and Safety in the Industry
- Importance of Managing Heat Stress and Handling H₂S
- Health and Safety regulations in the Port of Fujairah
- Responsibilities of operators in ensuring Health and Safety

MODULE 2: Understanding Heat Stress (Understanding)

- Definition of Heat Stress
- Consequences of Heat Stress on individuals
- Symptoms of Heat Stress
- Stages of Heat Stress
- Factors contributing to Heat Stress

MODULE 3: Managing Heat Stress (Understanding)

- Precautions to be taken to prevent Heat Stress
- Workplace design and environment factors
- Work-rest schedules and hydration requirements
- Training and Awareness of Heat Stress
- Emergency Response and Treatment of Heat Stress

MODULE 4: Introduction to Hydrogen Sulfide (H₂S) (Understanding)

- Definition of H₂S
- Sources and Properties of H₂S
- Exposure Limits and Regulations

MODULE 5: Effects of H₂S on Individuals (Understanding)

- Toxicology of H₂S
- Symptoms of H₂S exposure
- Short-term and Long-term Effects of H₂S exposure
- Emergency Response and Treatment of H₂S exposure

MODULE 6: Personal Protective Equipment (PPE) for H₂S (Understanding)

- Types of PPE for H₂S
- Selection and Use of PPE for H₂S exposure
- Inspection, Maintenance and Storage of PPE
- Limitations of PPE against H₂S

MODULE 7: Prevention and Control Measures for H₂S (Understanding)

- Workplace design and environment factors
- Engineering controls for H₂S
- Administrative controls for H₂S
- Safe work practices for H₂S



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MODULE 8: Emergency Response and First Aid for H₂S (Understanding)

- Recognizing H₂S exposure
- Immediate Response to H₂S exposure
- First Aid for H₂S exposure
- Medical Treatment for H₂S exposure

MODULE 9: Conclusion and Summary (Understanding)

- Summary of key topics covered in the course
- Importance of implementing Health and Safety measures
- Continual improvement and review of Health and Safety practices



Benefits

1. Identify the different types of marine loading arms and their components.
2. Describe the standard operating procedures and emergency protocols for marine loading arm operations.
3. Analyze the dynamics of loading arms and their effects on stability and load transfer.
4. Evaluate the safety regulations and standards for loading arm operations and develop a risk assessment and mitigation plan.

Attendees:

Our courses are specially crafted to assist those working in the industries of

- Tank Storage Terminals, Refineries, FPSO's, Offshore Marine Terminals, STS POAC & Superintendence
- Health Safety & Environment, LNG Operations of Tankers and Terminals, Oil & Gas Logistics
- Airport Fueling, Traders, Tanker Operators, Shipping Agents, Cargo Inspection, Loss Control
- Marine Expediting, Biofuel Storage, Claims Departments, Port Authorities, Customs, Security Personnel
- Tank Farm operators, Loading Masters and Terminal Management





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