

Static Electricity

Overview

This course on static electricity provides a comprehensive understanding of the potential hazards and risks associated with static electricity in the storage and handling of flammable liquids.

The course aims to equip the learners with the knowledge and skills required to identify, assess, and mitigate the risks associated with electrostatic discharges.

Static Electricity

Module 01 | Introduction

Module 02 | Electrostatic Hazards

Module 03 | General precautions against electrostatic hazards

Module 04 | Dipping, Ullaging And Sampling

Module 05 | Earthing, Bonding and Cathodic protection

Module 06 | Common sources of Static electricity

Module 07 | Lightning Protection

BENEFITS

- Learn about static electricity and the potential hazards arising from it
- Understanding of the implications of static electricity accumulation in cargo processes
- Gain insights on conditions that lead to static electricity hazards
- Learn about safety measures and precautions that can be undertaken
- Also learn about the common sources of static electricity during various cargo transfer operations

LEARNING OUTCOMES

- Understand the basics of static electricity, including charge separation and accumulation, and prevention techniques for electrostatic discharge.
- Identify and assess hazards associated with static electricity during cargo transfer operations.
- Follow precautions to minimize the hazard of electrostatic charging, particularly in tankers and during cargo loading, while adhering to the regulations and the characteristics of different materials.
- Learn the steps and precautions associated with dipping, ullaging, and sampling in the shipping industry, including handling both static and non-static accumulator oils and the characteristics of inert gases.
- Understand and apply the principles of earthing, bonding, and cathodic protection in the shipping industry and learn how to monitor and control the risks associated with static electricity.

Learning Delivery Methodology

Choose your learning path

SELF-PACED LEARNING (LMS)



Our Self-Paced Learning model is designed for flexible, independent study, allowing students to learn at their own pace. This method is ideal for those who prefer structured courses they can access anytime, anywhere.

COHORT LEARNING



On-site Classroom Delivery (In-person)

This traditional learning method involves attending classes in person, providing a structured environment and face-to-face interaction.



Virtual Classroom Delivery (Online Stream)

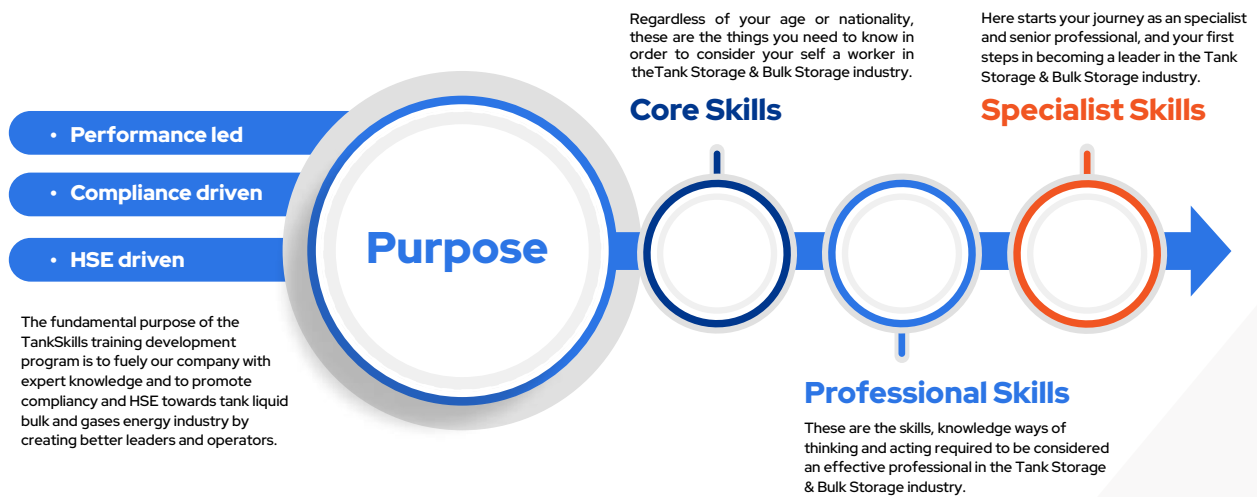
This model offers live, online instruction, mimicking traditional classroom settings and providing an interactive learning experience.



HyFlex Classroom Delivery (Mixed On-site and Online Stream)

The HyFlex Classroom combines in-person and online learning, offering maximum flexibility. Students can choose to attend in-person or stream classes online.

TANKSKILLS PROFESSION MAP



FEATURES



Digital Learning



**Multi-Lingual
Platform**



**Online Portal
for Assessments**



Status Reports



Student Forums



**F2F Virtual
Trainer Support**



**Competency
Framework**



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