



Process Safety

Overview

This course provides an in-depth overview of process safety in liquid bulk storage facilities. Participants will gain a comprehensive understanding of process safety management principles, techniques and methodologies, and how to apply them in real-world situations.

The course is designed to equip participants with the knowledge, skills and tools necessary to manage and mitigate process safety risks, prevent incidents, and continuously improve process safety performance.

Process Safety

Module 01 | Introduction

Module 02 | Process Safety Management

Module 03 | Process Safety Risk Management

Module 04 | Process Hazards Control Part 1

Module 05 | Process Hazards Control Part 2

Module 06 | Fire and explosion preventive measures

Module 07 | Human Factors in Process Safety

Module 08 | Incident Investigation and Analysis

Module 09 | Continuous Improvement of Process Safety

BENEFITS

- Identify major requirements which allow for full understanding of what is needed to manage major hazard risks.
- Demonstrate via the self-assessment and audit tools the “plan, do, check, act” cycle.
- Explore the tool boxes needed for an enterprise to manage its major hazard risks.
- Allow plant engineers and managers to understand and manage risks for which they are responsible.
- Learn to carry out your own risk assessments and do a comparison with the regulator’s tolerated criteria.

LEARNING OUTCOMES

- Define the concept of process safety and explain its importance in managing risks and preventing incidents in liquid bulk storage facilities.
- Develop a comprehensive understanding of the process safety management system and the various elements that make it effective in ensuring safe and reliable operations.
- Identify the various process hazards that are associated with liquid bulk storage facilities, and describe the measures that can be taken to mitigate and control these hazards.
- Evaluate the impact of human factors on process safety, including the role of leadership, training, communication, and organizational culture, and implement strategies to improve human performance and reduce the risk of human error.
- Analyze incidents and accidents that have occurred in bulk liquid storage facilities, identify the root causes of these incidents, and develop strategies for continuous improvement of process safety.

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)

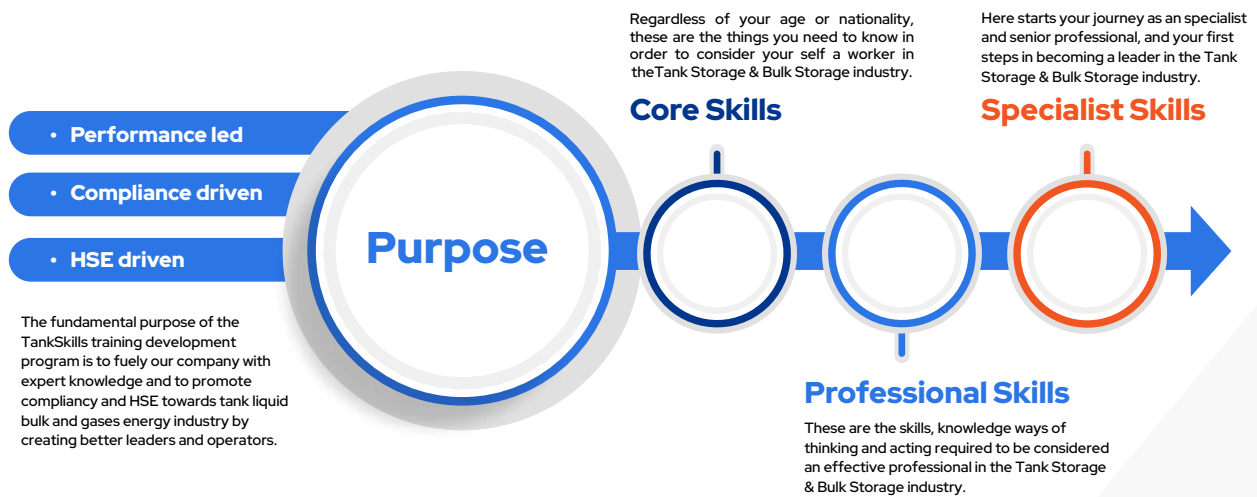
This model offers live, online instruction, mimicking traditional classroom settings and providing an interactive learning experience.



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**



info@tankskills.com
tankskills.com