



Refining Oil Movement and Storage Operations

MODULE

About the Skill Module

A typical refinery has billions of dollars' worth of liquid assets (crude oil, intermediate process streams and final products) in hundreds of storage tanks. The inventory of these assets is monitored in real time and moved within and across refinery boundaries in hundreds of movements on a daily basis.

The management of these assets is crucial not only from a safety point of view but also for reconciliation of receipts and dispatches to avoid discrepancies and thereby avoid huge losses of revenue or overpaid for less than ordered delivered products.

This skill module will provide the basis information for developing the daily operations associated to the storage and handling of the liquid and gaseous material associated to a typical oil refinery.

Basic principles to handling the different stored hydrocarbon and chemical materials are provided. Measurement of the volumes contained in tanks and transferred from one location to another is also discussed. The characteristics of the information systems to manage the refining oil and storage movements together with associated safety are also discussed.

[See demo online learning module](#)

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Target Audience

Process Engineers, Planning and Economics Engineers, Inspection Engineers, HSE Engineers, Maintenance Engineers and Supervisors, Laboratory Managers and Supervisors, Turnaround Planners and Operation Supervisors.

You Will Learn

- Basic principles and controls for having a safe and continuous operation in Feedstocks Tanks, Intermediate Tanks, Product Tanks, Marine Dock Facilities - Loading Operations, Marine Dock Facilities - Unloading Operations
- Volume and mass measurement principles in tanks and transference operations

- Characteristics of the information systems associated to the refining oil movement and storage:
 - Tanks Information System (TIS)
 - Oil Movement Management System (OMM)
 - Oil Logistics, Accounting and Shipping Management System (OAS)
- Custody transfer operations principles
- Storage effluents disposition
- Safety associated to the refining oil movement and storage:
 - Fire
 - Explosion
 - Products spillage

Product Details

Categories: Downstream

Disciplines: Refining

Levels: Basic

Product Type: Individual Skill Module

Format: On-Demand

Duration: 4 hours (approx.)

\$395.00