BLACKBIRD FOR TRAINING

Loading Master and Marine Terminal Operations Training Course



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Introduction:

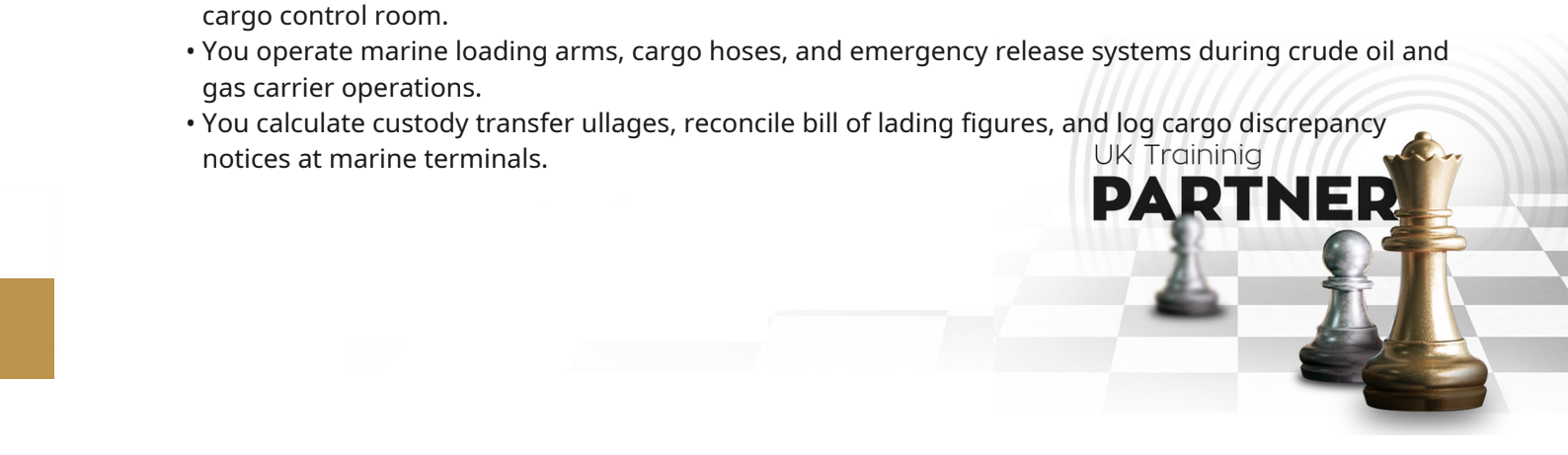
This Loading Master and Marine Terminal Operations Training Course enables you to direct bulk liquid and gas tanker cargo transfers safely across one week. You will build an Operational Marine Terminal Transfer and Berth Safety Dossier featuring ship-to-shore safety agreements, mooring force limits, manifold connection verifications, and emergency shutdown procedures. You need prior experience in terminal operations, marine logistics, or tanker deck watchkeeping, as this practitioner-level course addresses live operational controls and terminal safety systems. You will practise through an operational simulation, managing pre-transfer conferences, monitoring cargo ramp-up sequences, responding to manifold alarms, and executing coordinated emergency shutdowns.

Course Objectives:

- Draft joint ship-shore pre-transfer agreements using the ISGOTT 6 Ship/Shore Safety Checklist for calling crude and product tankers.
- Map berth environmental operating limits using OCIMF Mooring Equipment Guidelines MEG4 criteria for terminal jetty mooring line configurations.
- Run cargo transfer rate ramp-up protocols using Cargo Control Room monitoring schedules for refrigerated gas and bulk liquid handling.
- Test emergency release coupling sequences using linked optical and electric ship-shore ESD 1 and ESD 2 systems on marine loading arms.
- Score terminal operational integrity baselines using the OCIMF Marine Terminal Management and Self Assessment framework for berth piping systems.
- Draft discrepancy reconciliation records using custody transfer survey logs and Letters of Protest for bulk liquid cargo transfers.

Target Audience:

- You supervise tanker berthing, mooring line tensioning, and shore gangway placement at oil, chemical, and gas marine jetties.
- You conduct ship-to-shore safety conferences and verify manifold valve lineups before commencing bulk liquid cargo transfers.
- You monitor transfer flow rates, vapour return systems, and line pressure trends from the terminal cargo control room.
- You operate marine loading arms, cargo hoses, and emergency release systems during crude oil and gas carrier operations.
- You calculate custody transfer ullages, reconcile bill of lading figures, and log cargo discrepancy notices at marine terminals.



Course Outline:

Day 1: Establishing Berth Safety and Ship-Shore Interfaces

- Assessing terminal layout constraints using OCIMF Marine Terminal Competence guidelines
- Reviewing static electricity hazard controls using ISGOTT 6 terminal guidelines
- Evaluating mooring line arrangements using OCIMF MEG4 environmental threshold criteria
- Conducting pre-arrival tanker verifications using standard terminal notice protocols
- Build: Pre-Arrival Berth Verification and Mooring Safety Matrix

Day 2: Implementing Transfer Checklists and Regulatory Frameworks

- Executing ship-shore safety verifications using ISGOTT 6 Checklist Part 4
- Documenting pre-transfer conference items using ISGOTT 6 Part 5 agreements
- Auditing terminal piping integrity using OCIMF MTMSA site verification guidelines
- Aligning gas carrier operations using SIGTTO liquefied gas handling recommendations
- Build: Joint Ship-Shore Transfer Agreement and SSSCL Protocol

Day 3: Managing Cargo Operations and Custody Transfers

- Directing cargo transfer ramp-up sequences using Cargo Control Room protocols
- Monitoring marine loading arm operations using closed drain line procedures
- Calculating gross standard volumes using custody transfer survey measurement sheets
- Managing vapour balance systems using OCIMF MTMSA closed transfer criteria
- Build: Cargo Transfer Monitoring Sheet and Volume Discrepancy Log

Day 4: Mitigating Operational Risks and Managing Emergencies

- Testing linked emergency shutdown systems using optical and electrical loops
- Managing powered emergency release couplings using marine loading arm controls
- Responding to mooring line failures using MEG4 breakaway limit matrices
- Drafting cargo discrepancy notifications using formal Letter of Protest templates
- Build: Berth Emergency Response Plan and Incident Escalation Matrix

Day 5: Executing Terminal Operations in Live Simulation Scenarios

- Rehearsing pre-transfer conference negotiations using Day 2 checklist protocols
- Simulating transfer rate ramp-up sequences using Day 3 control logs
- Managing emergency shutdown activations using Day 4 linked loop systems
- Reconciling custody transfer measurement discrepancies using survey reconciliation sheets
- Build: Operational Marine Terminal Transfer and Berth Safety Dossier



Skills You Will Gain:

- ISGOTT 6 Ship/Shore Safety Checklist Administration
- MEG4 Mooring Arrangement and Line Management
- OCIMF MTMSA Berth Integrity Verification
- Marine Loading Arm Operation and PERC Testing
- Linked ESD 1 and ESD 2 System Activation
- Custody Transfer Survey Volume Calculation
- Marine Cargo Letter of Protest Drafting

Why Attend This Course:

- Conduct formal pre-transfer conferences with calling tanker masters using structured ISGOTT 6 safety verification protocols.
- Monitor dynamic mooring line tensions and environmental cutoff thresholds using OCIMF MEG4 operational parameters to prevent berth breakaways.
- Coordinate live cargo ramp-up sequences, line draining routines, and emergency shutdown activations from the terminal control room.
- Assemble an Operational Marine Terminal Transfer and Berth Safety Dossier to standardise custody transfers, safety checklists, and protest documentation across your terminal.

Conclusion:

Returning to your desk, you will open your Operational Marine Terminal Transfer and Berth Safety Dossier to align your berth handover checklists and pre-transfer conference workflows with current ISGOTT 6 and MTMSA guidelines. You will review the mooring limits, emergency shutdown protocols, and custody survey procedures with your marine terminal manager and shift loading supervisors for formal operational sign-off. Following its initial deployment during tanker cargo operations, you will check the completed transfer logs, valve lineup sign-offs, and discrepancy notices to confirm full adherence to safe transfer limits.

Frequently Asked Questions FAQ:

What will you be able to do after the Loading Master and Marine Terminal Operations Training Course?

You will be able to manage safe bulk liquid and gas tanker operations at marine berths, direct ship-shore safety conferences, execute ISGOTT 6 checklists, operate marine loading arms, and coordinate linked emergency shutdowns while reconciling custody transfer figures.



What do you need to know before starting the Loading Master and Marine Terminal Operations Training Course?

You need practical working knowledge of marine terminal layouts, tanker cargo equipment, or jetty watchkeeping. Familiarity with basic liquid transfer systems, mooring arrangements, and standard marine safety rules is required, as this practitioner-level course focuses on active operational controls and emergency procedures.

What do you build during the Loading Master and Marine Terminal Operations Training Course?

You build an Operational Marine Terminal Transfer and Berth Safety Dossier. This package includes pre-arrival berth verification matrices, ISGOTT 6 safety agreements, cargo ramp-up monitoring sheets, custody volume discrepancy logs, and emergency shutdown activation procedures for live terminal operations.

How does the Loading Master and Marine Terminal Operations Training Course differ from a general maritime leadership course?

This course focuses specifically on hands-on cargo transfer execution, berth safety, and ship-shore interface protocols rather than broad marine fleet leadership. Instead of studying organisational management, you master technical checklist execution, mooring tension limits, loading arm operations, and custody transfer documentation under international terminal guidelines.

