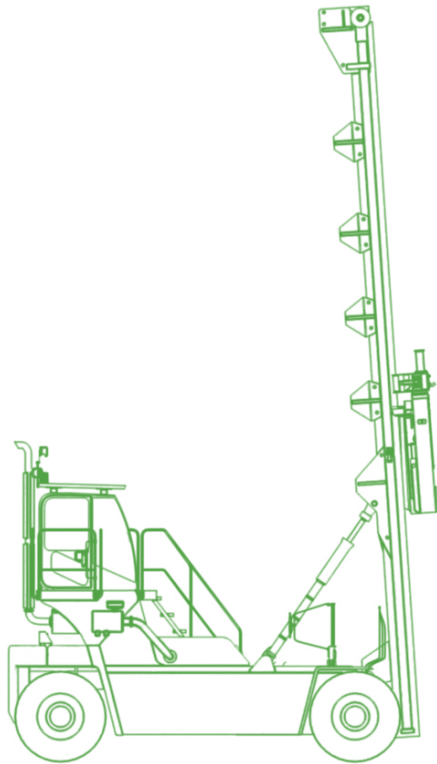# intellia

Double Empty Container Handler Add-On Module

Overview

The only training solution of its kind, the Intellia Double Empty Container Handler Add-On Module allows trainees to rapidly acquire operational skills in a pressure-free, safe learning environment.

Simulated Equipment Specs

Stacking height: Up to 8 containers
Load capacity: 9,000 kg / 10 t
**Wheelbase:** 4.5 m / 14.5 ft
Max speed: 27 km/h / 17 mph

Key Features & Benefits

Operators can find it challenging to master the double empty container handler's twin lifting capabilities. At the same time, empty containers need to be moved as quickly—and safely—as possible. Without a virtual training solution, more machine time needs to be dedicated to training purposes.

A guided learning program covering driving exercises and yard operations with ITVs.

Freeform exercises to help trainees learn to safely & efficiently use the equipment.

Best-in-class lifting simulation that ensures trainees understand how the equipment works and what is required for efficient operations.
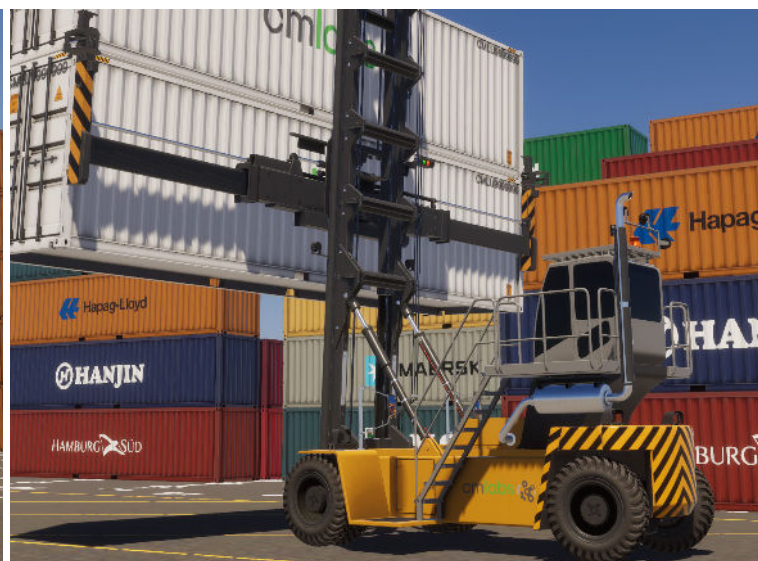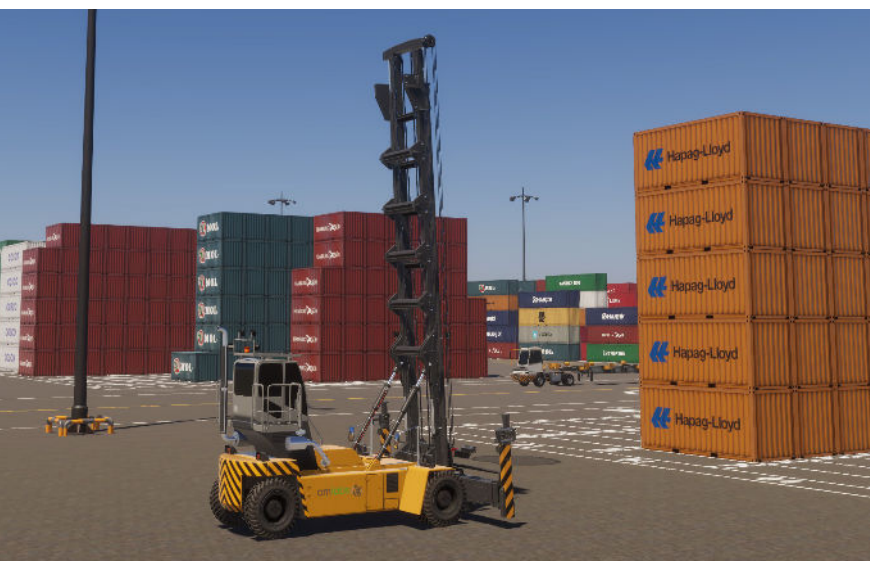
A Complete Training Solution

The Double Empty Container Handler Add-On Module incorporates realistic machine behaviors and physics-based motion feedback that's unlike anything else on the market today. This results in a training solution that delivers the most transferable operator skills anywhere, outside the real equipment. It is the only solution on the market that can tip when the simulated equipment brakes or corners too fast, and that reacts realistically when loads are distributed unevenly.

At the heart of this realism lies CM Labs' proprietary engineering-grade physics engine, which incorporates over 25 years of award-winning research and real-time simulation features that are unique on the market. This means training is based on real data and real machines, and new operators reach full productivity levels up to 33% faster, according to our clients.

With a focus that goes far beyond basic controls familiarization, the Double Empty Container Handler Add-On Module exposes operators to conditions that are challenging or unsafe to replicate outside the classroom.

Trainers can also take lessons to the next level with Intellia Instructor. Designed to empower organizations to scale their training, Intellia Instructor includes sophisticated report generation, customizable learning paths, live faults and weather challenges, and streamlined administrative functions. Uncoupled and untethered from a teaching station, trainers can support multiple trainees in real time via tablet while closely monitoring each individual's performance.

Supported CM Labs Hardware Platforms

This add-on module can be installed on most CM Labs hardware platforms, with different configurations available to meet your budget, space, and training requirements. CM Labs' simulators are built to last, and designed for years of 24/7 operator training.

The add-on module runs on CM Labs' compact Advantage, fully immersive Master, and containerized MasterCab.

*An Empty Container Handler Simulator Training Pack is required to run the Double Empty Container Add-On Module. Add-on modules are specific to their corresponding training pack. Module exercises are non-transferrable to other exercises within the training pack.

Learning Program

Crafted in collaboration with port operator trainers, all exercises are designed to familiarize operators with basic control functions and techniques for loading and unloading containers in a real port setting. Learning outcomes include:

- ✓ Familiarization with bays, rows, and cell identification
- ✓ Twin lift spreader functions, 20-ft & 40-ft modes, and side-shifting
- ✓ Driving & lifting in confined spaces
- ✓ Accurate stacking
- ✓ Loading & unloading containers stacked up to 8 high
- ✓ Loading, unloading, and interacting with ITV trailers
- ✓ Unloading containers on uneven stacks
- ✓ Obstacle avoidance

Performance Metrics

The add-on module tracks all operating performance metrics during training exercises and rolls them up into a single score that updates in real time. Tracked metrics include:

- ✓ Completion time
- ✓ Movement efficiency & accuracy
- ✓ Adherance to safety protocols
- ✓ Elapsed time, exercise completion percentage, and use of bypasses