



CM Labs releases Articulated Dump Truck (ADT) Simulator Training Pack

IMAGE SOURCE: CM Labs Simulations Inc.

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Accurate replication of machine stability and engine behavior ensures safe and effective operator training

CM Labs Simulations, leading vendor for simulation-based training in the construction and ports industries, has announced the release of its Articulated Dump Truck (ADT) Simulator Training Pack. It is the only simulation-based solution on the market that accurately replicates machine stability and engine behavior, resulting in effective, efficient operator training. The ADT Simulator Training Pack also helps organizations address key industry issues such as safety, sustainability, and equipment maintenance.

Often the first machine novice operators use, the ADT requires familiarity with worksite team activities and strong driving skills. CM Labs' Simulator Training Pack offers a safe, effective, and comprehensive alternative for initial training while mitigating the increased fuel costs and wear and tear that typically result from inexperienced handling.

The ADT Training Pack's progressive learning exercises gradually build skill and confidence. Trainees work on skills such as basic controls familiarization, driving on slope, loading and loading trailer, shared task training, as well as side and back loading. Performance metrics tracked during training exercises include safety violations, such as collisions, electric cable contact, tipping or cabin flip, or unsafe parking, cycle times, and operational efficiency.

"While driving an ADT may seem straightforward, it is the team-based communication skills that make an expert operator most effective," explains Alan Limoges, Product Manager at CM Labs. "To that end, we have included a number of exercises that focus on team collaboration." Trainees work on shared tasks with automated equipment drivers, and there is an optional add-on module for simultaneous tandem crew training with CM Labs' Excavator Simulator.

Applying CM Labs' proprietary Smart Training Technology™, the simulator accurately replicates machine behavior—providing real-world training opportunities to help reduce the risk of accidents. Users gain an understanding of braking strength and distance, blind spots, gear shifting, engine response under heavy loads, wheel deformation on rough ground, and rolling stability when driving. True replicated vehicle vibration, material pilling, alarms, and other job site sounds ensure important audio cues for safe operation and task completion.

The ADT Training Pack is compatible with all of CM Labs' Vortex® Simulators, including the desktop Vortex Edge Plus, the motion-enabled Vortex Edge Max, and the high-immersion Vortex Advantage. The ADT simulator training is part of CM Labs' range of earthworks machines, making it ideal for training schools or companies with a wide range of equipment in their fleet.

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ARTICULATED DUMP TRUCKS