

# Simulation-based learning solutions

CM Labs equipment training simulators provide operators with the skills they need to operate equipment safely and efficiently. Trainees can practice challenging real-world operations in complete safety, while key operating performance metrics are objectively logged and recorded throughout training.

Operators can prepare for the routine as well as the unexpected. This makes our simulators an invaluable asset for teaching safe, productive, economic machine use. With swappable controls and configurations ranging from the desktop to an immersive

five-display simulator, Vortex simulators are built to run a wide range of training packs. Each Simulator Training Pack features self-guiding, progressive learning programs, and best-in-class simulation.

## Crane and Lifting Equipment



Boom Truck



Crawler Crane



Forklift



Luffing Tower Crane



Mobile Crane



Telehandler



Tower Crane

## Earthmoving Equipment



Articulated Dump Truck



Backhoe



Compact Track Loader



Digger Derrick



Dozer



Excavator



Motor Grader



Wheel Loader

# Vortex simulators: best-in-class training

Select from a range of training tools to develop transferable operator skills



## Build Safer Operators

Trainees can practice challenging operations in situations that are impossible to replicate in real life without risk of injury or damage to equipment. Prepare them to respond to the unexpected by injecting system faults, load shifting, and inclement weather.



## Reduce Your Training Costs

Each Vortex simulator reduces the time you need to spend on the real equipment. Plus, for what you'll spend on a single crane or machine, you can deploy a fleet of Vortex simulators with lower maintenance and fuel costs, and a reduced carbon footprint.



## Train Faster

With simulators, you can provide concentrated seat time, and dramatically reduce 1-on-1 training hours. Thanks to an engaging learning experience, trainees acquire valuable skills even when the real equipment is unavailable.

“Apprentices thrive with hands-on training. With CM Labs’ simulators, they are learning faster, and the program is turning out better qualified operators than ever before.”

**Robbie Foxen**

Executive Director, Missouri Valley Line Constructors  
Apprenticeship and Training Program

**Vortex  
Edge Plus**



**Vortex  
Edge Max**



**Vortex  
Advantage**



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