Vortex Edge

Affordable Classroom Training for New Operators

Lift your training standards with the Vortex Edge simulator /

Designed to facilitate professional, structured classroom training for new operators, the Vortex Edge simulator is a truly flexible training tool that allows you to deploy a virtual machine to demonstrate machine components, safe operator practices, and equipment behaviour.

With the Vortex Edge, you'll save time developing course materials, and benefit from the same level of professional simulation that powers the Vortex simulators used by training schools and fleet owners all over the world.

Bring operator training to life with the Vortex Edge.

Hardware specs:
i7-7700 3.6Ghz CPU, 32GB RAM, solid-state drive, 15.6' screen with NVIDIA GTX 1070 graphics card, wireless mouse, Logitech Extreme 3D Pro joysticks

Benefits /

Get started in minutes

The Vortex Edge is a portable tool that you can start using immediately. It's a fast and simple way to boost your training program — in just minutes, you'll be experiencing all the benefits of simulation, and providing the kind of engaging hi-tech training that today's generation of trainees have simply come to expect.

Save course preparation time

Complement classroom theory with ready-to-go training materials. Developed in collaboration with heavy equipment schools, the Vortex Edge comes bundled with exercises that cover basic controls and operations, as well as challenges that you can use to benchmark trainee skills as they progress through the course.

Teach key concepts more easily

With the Vortex Edge simulator, you can show and do rather than tell. Illustrate operating technique, provide hands-on equipment demos, explain how to program the HMI/LMI, and show how to handle adverse climate conditions and machine faults. Trainees can then practice these skills in the classroom before getting on the real machine.

Meet the Vortex Edge

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Flexible deployment options

The Vortex Edge is designed to plug into classroom displays or projectors to expand the experience, or can simply be used as is, out of the box. It can be used for effective self-paced learning on the trainee's desktop, for instructor-led classroom instruction, or even for recruitment events.

Built-in training exercises

Along with basic controls familiarisation, Edge Series training packs include a simulated work environment with lift objects (for cranes) or an excavation/ grading area (for earthwork machines). They also include trainee skills benchmark exercises that provide performance scores on completion.

Best-in-class simulation

The Vortex Edge deploys the same engineering-grade simulation used in CM Labs' immersive Vortex simulators, which means all machine components behave as they do in the real world, whether you're digging a trench or catching a swing.

A deep equipment catalogue

The Vortex Edge comes bundled with your choice of Edge Series training packs, including rough terrain mobile crane, tower crane, crawler crane, excavator, backhoe loader, wheel loader, and motor grader. All crane training packs include lift plans and load charts.

Whether you're bringing it to a classroom, a job fair, or a trade show, the Vortex Edge bundles CM Labs' simulation software into a compact training platform to make an important statement: At your organisation, quality matters.