Instructor Operating Station

Monitor, assess, and engage construction equipment operator trainees from a single workstation

Presenting the IOS /

CM Labs' Instructor Operating Station (IOS) gives instructors complete control of operator training sessions. You can initiate exercise sessions, monitor operations from your seat, and challenge trainees by exposing them to a wide range of tasks and job site conditions. It is the only solution on the market that provides instructors with a real-time 3D view of learning progress, from any vantage point on the virtual work site.

Benefits /

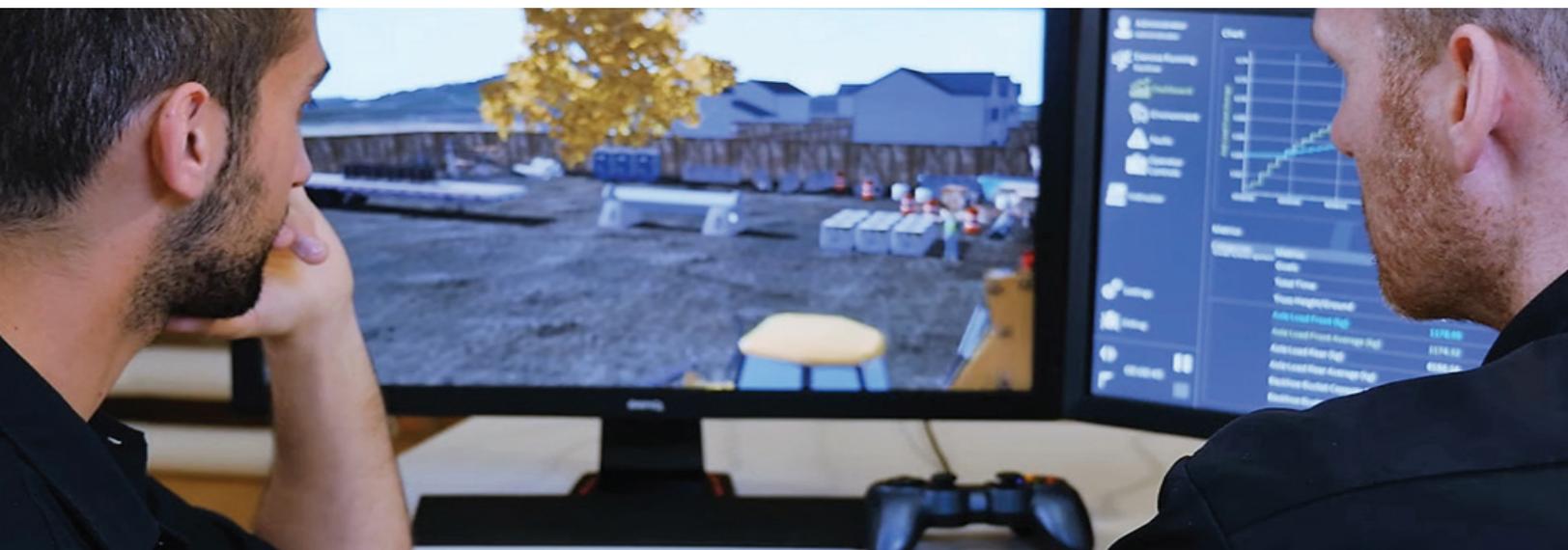**Challenge trainees for maximum learning effectiveness**

With the IOS, you can expose operators to the variable kinds of situations they will experience in real life. Set time of day, as well as weather conditions including rain, fog, snow, wind speed, and direction. At any time, the instructor can inject machine faults including engine stalls, hydraulic failures, and line breaks.

Benchmark trainees easily with smart assessment tools

The IOS offers a host of automated monitoring tools, including recording and reporting of machine and performance data, rolled up into a single score that updates in real time. At any point during the training session, you can use the IOS to add bookmarks and notes to the training session for later review.

Enable full team-based training in a single classroom

The IOS is the central hub for collaborative learning. You can enable tandem lift exercises, put another trainee at the helm of the IOS so they can provide peer-to-peer evaluation, or launch a Signalperson Training Station (purchased separately) that allows another trainee to work cooperatively with the operators.

IOS Features /

Scales up with your training

With the IOS, you can add any solution from CM Labs' suite of training tools, at any time. This includes the Signalperson Station, as well as simulator training packs for lifting equipment (boom truck, crawler crane, mobile crane, overhead crane, flat-top tower crane, luffing tower crane, forklift) and earthmoving equipment (backhoe, excavator, motor grader, wheel loader, dozer).

Customisable scoring

The IOS tracks all operating metrics during training exercises, and rolls them up into a single score that updates in real time. It is the only simulator training solution that gives trainers and managers the ability to customise this scoring system and establish their own benchmarks, if desired, according to the operator attributes they want to target.

Smart reporting

After each training session, the IOS can generate reports that highlight scoring, selected instructor bookmarks, notes, and charts. This allows you to objectively document trainee readiness, provide an indication of areas for improvement, and ultimately train a safer, more effective operator.

360-degree monitoring

Along with a real-time 3D view from any vantage point on the virtual work site, the IOS allows trainers to control virtual characters within the training environment for an "on the ground" perspective, or use the built-in signaler functionality to provide virtual hand signals to the operator.