

Concrete Pump Simulator



Overview /

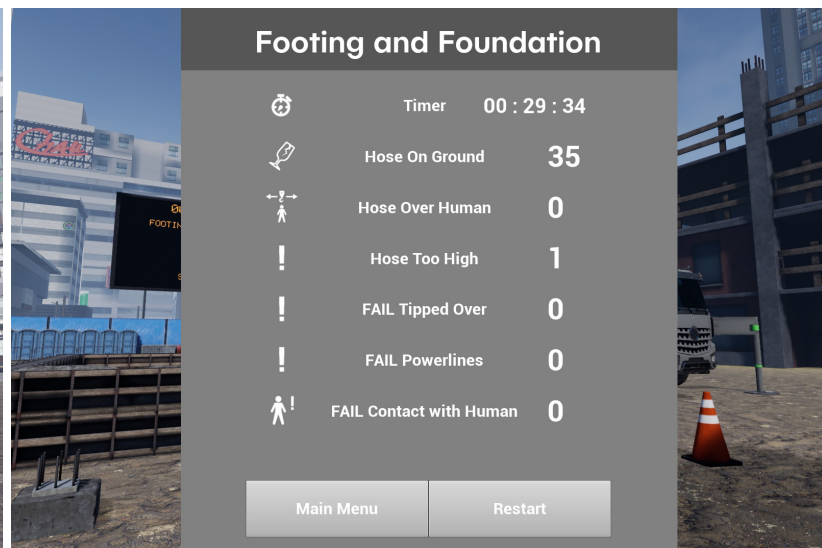
The Concrete Pump Training Simulator from CM Labs is the only product of its kind on the market and is designed to provide a safe and effective virtual learning environment that enables a seamless transition to the real equipment. The curriculum was developed in collaboration with the American Concrete Pumping Association and allows operators to develop the right skills, from safely deploying outriggers and creating concrete slabs, to pouring footings and foundations.

The Concrete Pump Training Simulator is also the perfect hands-on tool for attracting new operators at job fairs and career development events.

Benefits of simulation-based training /

With CM Labs' Concrete Pump Simulator, you can significantly reduce your training costs:

- Reduce risk to equipment and personnel associated with novice operators training on real machines, on real worksites.
- Reduce poured concrete waste during novice operator training.
- Reduce fuel consumed during novice operator training.
- Reduce the machine set-up costs related to training.
- Prevent costly slow-down of actual pouring jobs in order to train novice operators.
- Reduce training time of new operators by up to 30% — get a new operator to safely produce for your company in less time, at less cost.



Best-in-class learning solution /

CM Labs' Concrete Pump Simulator includes exercises designed to guide trainees toward proficiency, in a training environment where mistakes are far less costly than on the worksite. Exercises include:

1. Basic controls
2. Concrete slab
3. Footing and foundation
4. Pouring on rooftop
5. Skills challenge
6. Certification

Each exercise has the option of being launched with or without the outriggers and boom deployed. This Training Pack incorporates CM Labs' proprietary and patented Smart Training Technology™ which means that everything from the backlash of the boom to the hydraulics system, engine performance and machine stability is accurately replicated.

This results in training that's based on real data and real machines, and that has been field-tested by leading training organizations and equipment manufacturers.

Performance measurement /

With built-in scoring on metrics such as time to pour, and reporting on events such as contacts between equipment and structures, CM Labs' Concrete Pump Simulator is ideal for the objective assessment of each operator's skill sets.

The chances of trainee errors, incidents, near misses, or accidents will greatly diminish.

Trainers can also introduce challenges at any time, including drifting outriggers, damaged piping, overhead wires, and more. By working through these exercises, trainees gain more hours of stick time than with on-the-job training methods.

Trainers can score novices and generate reports based on:

- Boom collisions
- Hose touching ground (number of incidents)
- Hose height above ground when pouring
- Hose too high when pouring (number of incidents and time)
- Time to complete a pour
- Total volume of concrete used
- Volume of concrete poured outside pouring area
- Contact with humans
- Contact and proximity to power lines

What's included?

- Industrial-grade laptop loaded with CM Labs' Concrete Pump Simulator Training Pack
- Actual concrete pump wireless remote control box
- Optional VR headset
- Mouse



Simulator will operate optimally on standard HD displays supplied by the user. Simulator will be useable with VR headset specified by CM Labs.