



## HYDRAULIC EXCAVATOR PERSONAL SIMULATOR

### REAL TRAINING VALUE IN A PC-BASED SIMULATOR

- ▶ Pre-screen trainees for operator aptitude
- ▶ Prepare students for real seat-time
- ▶ Upgrade skills to meet higher standards
- ▶ Promote the trade to aid recruitment



Simply install the simulation software and connect the USB simulator controls!

Simlog's Hydraulic Excavator Personal Simulator puts students at the controls of a modern, sophisticated machine in interaction with an articulated dump truck. The virtual work site features dynamic terrain with life-like material.

Training efficiency is delivered through a modular Instructional Design that teaches real skills for productive and safe equipment operations in the field.

### 12 SIMULATION MODULES OF INCREASING DIFFICULTY

- Controls Familiarization
- Excavator Positioning
- Raking the Green
- Over the Moon
- Bench Climbing/Descending
- Trench Crossing
- Single-Pass Dig and Dump
- Trenching
- Trench and Load
- Bench Loading with Truck Spotting
- Bench Loading with Truck Spotting - Boulders
- Ramp Building

### TEACH REAL-WORLD OPERATING SKILLS



Trench Crossing using Boom Jacking



Truck spotting with an interactive, articulated dump truck

### AUTOMATIC PERFORMANCE MEASUREMENT

For each Simulation Module, comprehensive Performance Indicators measure the quality and productivity of students' work. The simulation software automatically tracks and reports Simulation Results. Students can train unsupervised and learn at their own pace!

### OBJECTIVE SIMULATION RESULTS

37 Performance Indicators are precisely measured, including:

- Execution time
- Truck loading accuracy
- Maximum tilt angle while bench climbing/descending
- Number of slams; bucket over-opened/over-closed



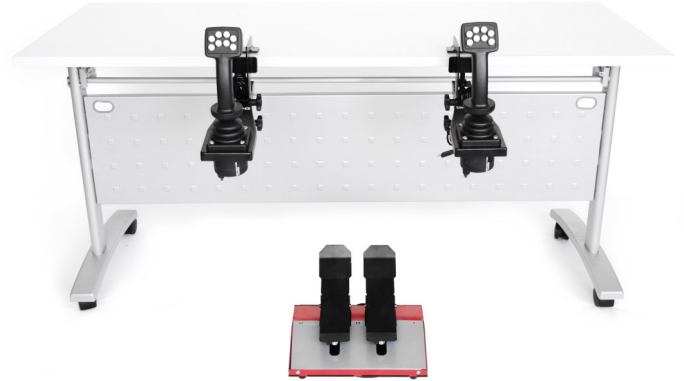
## A CHOICE OF SIMULATOR CONTROLS

### TABLE-TOP MOUNTING

The most cost-effective option featuring industrial-strength controls

#### KEY BENEFITS:

- Easy to assemble and USB-ready
- Light weight and portable
- Ability to create your own operator chair
- Multi-Purpose Replica Controls
- SAE and Backhoe-Loader patterns are supported



### OPERATOR CHAIR WITH INDUSTRIAL CONTROLS

A superior simulation experience with an authentic operator seat

#### KEY BENEFITS:

- Fully assembled and USB-ready
- Steel platform on casters
- Adjustable seat and arm consoles
- Multi-purpose configurations
- SAE and Backhoe-Loader patterns are supported



### DEDICATED OR MULTI-PURPOSE STATIONS

Simlog's unique Replica Controls can be used with many Personal Simulators, including:

- Bulldozer
- Wheel-Loader
- Tower Crane
- Mobile Crane

### OPTIONAL SIMULATION MANAGER

Add the efficiency of a central database for keeping track of Simulation Results. A single Simulation Manager is compatible with all Personal Simulators – whether on a single station or networked lab.

- Control user access to all Personal Simulators
- Organize training into learning groups/classes
- Review Simulation Results from an instructor station
- Share Simulation Results with remote locations