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

**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

**TEACH REAL-WORLD OPERATING SKILLS**

- Trench Crossing using Boom Jacking
- Truck spotting with an interactive, articulated dump truck
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