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# 2024

HEAVY EQUIPMENT

# SIMULATOR



- SIMULATOR LINEUP
- OFF HIGHWAY TRUCK PERSONAL SIMULATOR



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# SIMULATOR LINEUP



## LITE

## PRO

## REPLICA

### Description

Simulator LITE type is based on a classroom style of equipped with off-the-shelf controls (or custom-made controls) presented on a HD single desktop display with our simulator software running on a high-end PC unit and using the latest high-end graphic cards.

Simulator PRO type is complete with a simulator base and complemented with replica controls (optional upgrade to authentic controls available). All in one system provides space to store required equipment (e.g. PC, Speakers, etc.), designed with portability, durability, and ease-of-use in mind.

Simulator REPLICA type is the closest you can get to a real operating machine. It includes High-End Monitors, High-End Accessories, Authentic Controls, and personal branding.

### Degree of Customisation

LOW

MEDIUM

HIGH

### Simulator Base

Basic classroom desk

\*Simulator Pro Base (Customizable to requirement) (+\$)  
\*n-Degree of Freedom Base (n-DOF automation Base) (+\$\$\$)

Actual Heavy Equipment with heavy modification (Customizable to requirement (+\$))

### Simulator Manager Software

Included

Included

Included

### Number of Screens

- 1 (Front View only)
  - 3 (Front View, Left View, Right View)
  - 4 (Front View, Rear View) (Left View, Right View)
- \*Consult with us to determine how many screens your simulator needs

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- \*Consult with us to determine how many screens your simulator needs

- 4 (Front View, Rear View) (Left View, Right View)

### Personalization (Corporate Branding)

Not Available

Not Available

Not Available

### Price Range

\$

\$\$-\$\$\$

\$\$\$-\$\$\$\$

### Price Range

All Simulator

All Simulators exc. Tower Crane

All Simulators

Forklift Simulator Mobile	✓	✓	✓
Crane Simulator Hydraulic	✓	✓	✓
Excavator Simulator Bulldozer	✓	✓	✓
Simulator	✓	✓	✓
Mining Truck Simulator	✓	✓	✓
Tower Crane Simulator	✓	✗	✓

# OFF HIGHWAY TRUCK 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



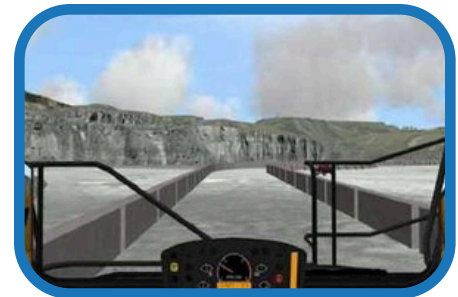
## Simply install the simulation software and connect the USB simulator controls !

Simlog's Off-Highway Truck Personal Simulator puts students at the controls of a modern, sophisticated off-highway truck with life- like driving dynamics in interaction with a built in Wheel Loader. The virtual mine site features challenging driving scenarios, and interactive dumping and loading zones. Training efficiency is delivered through a modular Instructional Design that teaches real skills for productive and safe equipment operations in the field.

## 10 SIMULATION MODULES OF INCREASING DIFFICULTY

- Controls Familiarization
- Corridor Driving 1
- Corridor Driving 2
- Corridor Driving 3 Mine
- Site Driving 1 Mine Site
- Driving 2 Dumping
- Loading Complete Haul
- Cycle Complete Haul
- Cycle 2
- 

## TEACH REAL - WORLD OPERATING SKILLS



Driving the truck forward avoiding contact with concrete barriers



Positioning the Truck for loading by the interactive wheel loader

## 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

**36** Performance indicators are precisely measured, including :

- Execution time
- Incorrect use of truck functions
- Positioning time for loading/dumping
- Number of collisions