

# STIPIOS

CONSTRUCTION MACHINERY SIMULATORS





### **Lessons and Scenarios**

Our simulators include many scenarios as construction machinery recognition, safety measures and advanced using techniques.

- Construction machinery introduction
- Gauges introduction
- Joysticks introduction
- Attachments introduction
- Safety precautions
- Driving and maneuvering techniques
- Moving, stopping and parking
- Lifting applications
- Loading applications
- Scraping applications

Our simulation software allows rapid transition to any working conditions for all scenarios.

- Various terrain conditions
- Various load types
- Various floor conditions
- Various weather conditions
- Various working hours

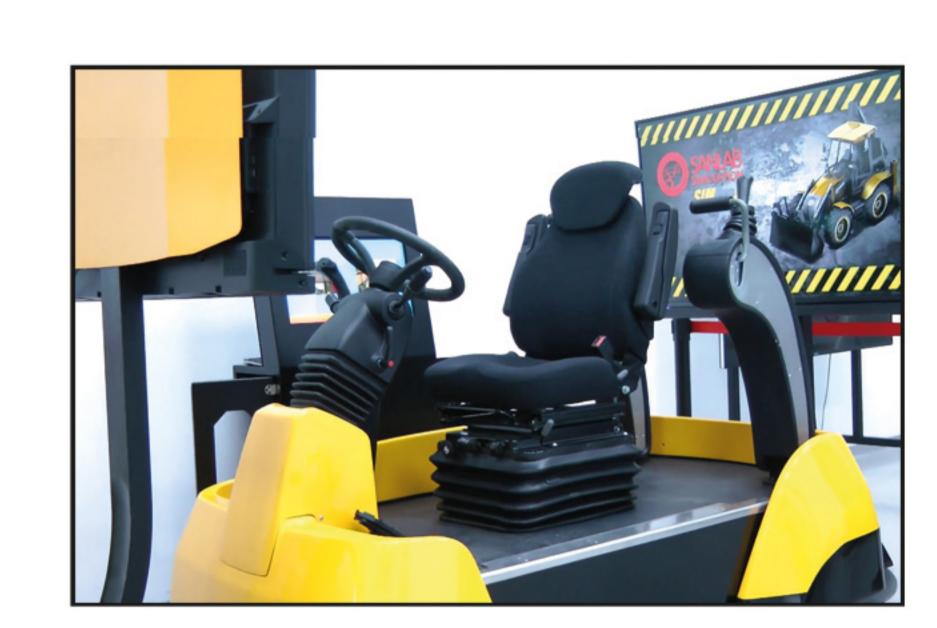
### **Monitoring and Reporting**

Our simulation software reports all parameters related to evolution of operator.

- Quantity of work
- Duration of work
- Fuel consumption
- Occupational parameters
- Combined parameters



5-LINE 3D0F Motion System



- Portable and lightweight system
- 3-DOF motion platform
- Adjustable seat with safety belt and armsets
- Orginal joystick, pedals and hardware

### Minimum System Requirements

Intel(R) Core(TM) i5 | 4 GB Ram | 120 GB SSD Harddisk | NVIDIA GeForce GT1X1050 Windows 7 Pro 64 | Wireless Combo keyboard+Mouse

Physical Dimensions
(Tv and Kiosk Included Dimensions)

LxWxH 240x157x184cm

Electrical Speficitaions(W)

Power Supply: 220VAC, 13,7A(Peak)



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## BACKHOE LOADER SIMULATOR

### **Features**

Modern 3D graphics

Realistic physics

Realistic engine rpm, torque and hydraulic pressure calculations

Accurate vehicle transmission simulations

Different set of attachments for the vehicles

Terrain deformation

Detailed reporting

Multiple external camera options for the trainer

Different times of day, work at night selectable by the trainer

Rich selection of lessons to cover all important aspects of the regarding vehicle

Touch screen inputs or full cabin with complete set of physical inputs option

Realistic physical vehicle pedals, levers and buttons

3-DOF or 6-DOF motion feedback options

Virtual reality support for both Oculus Rift and HTC Vive

Different screen configurations

Physical gauges

### Risk & Costs Free Tools by SANLAB Simulation

- Fuel Costs
- Accident Risks to Staff
- Occupational Safety Risk
- Operating Costs
- Maintenance Costs
- Machine Downtime
- Equipment Damage
- Weather Restrictions
- Worksite Restrictions
- Emission

### Reporting

At the end of every training session, a report is created and recorded. This report includes trainer name, trainee name, date, name of the training lesson, successes and mistakes of the trainee as well as spent time and fuel. These reports can be accessed any time and can be printed directly within the simulator software.

### **Excavator Lessons**

- Slalom
- Placing Pipes
- Quick Attachment
- Fork Loading
- Rock Loading

- Ghost Bucket
- > Soil Loading
- Object Loading
- Digging
- Trenching

- Lowbed Loading
- > Hill Driving
- Balls On Cones
- Lowbed Loading
- Breaker Positioning



