



CONSTRUCTION MACHINERY TRAINING SIMULATOR

REALISTIC & HIGH FIDELITY CONSTRUCTION MACHINERY TRAINING SIMULATOR

Simsoft offers high fidelity training simulators for construction and underground mining. The powerful physical and mathematical modeling with the latest quality visualization provides the most realistic simulation-based training.

Tracked and Wheeled Construction Machinery Simulators

- Excavator
- Dozer
- Loader
- Backhoe Loader
- Grader
- Crane
- Tunnel Boring Machines
- Roof Bolter
- Shuttles Car
- Concrete Pump
- Concrete Mixer
- Drilling Machines



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Special training scenarios are offered accordance with the functionality of construction machine.

Driver Training Simulator

- 2DOF / 3DOF / 6DOF Motion Platform
- Equipment Operator
- Real and Realistic Construction Equipment
- Full Cabin
- Multi Channel Visualization System

Software Features

- High Fidelity Vehicle Driving and Engine Dynamics
- Programmable Artificial Intelligence
- Adjustable Evaluation and Assesment Infrastructure
- High Resolution Visualization
- Multi-Display Support
- Record and Replay

Terrain Simulation

- Creating High-Resolution Land Area
- Terrain Deformation
- Particle Physics
- Fluid Dynamics

Hardware Features

- Configurable Hardware Units
 - Fiberglass Full/Half Vehicle Cabin
 - Motion Platform
 - Multi-Screen Visualization
- Actual Vehicle Hardware
 - Driving Console
 - Actual Joystick Hardware
- Control Console for Instructor

Scenario Creation & Management

- Different Terrain Models
- Driving Various Environment Conditions
 - Rain, Snow, Fog and Filling
- Usage Scenarios for Different Equipment
 - Ditch On / Filling
 - Field Flattering
 - Material Masonry
 - Loading / Unloading to Other Vehicle
 - Drain Excess
- Use of Special Effects



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