FEATURES

• Tactical vehicle-like training environment: seat, steering wheel, brake, and accelerator pedals enhance retention and application to the road.

• Immediate, detailed performance feedback through six tightly synchronized replay views, including 2D and 3D.

• Add layers of difficulty to accommodate any experience level. Easily reproduce and rehearse unique driving situations.

• 180 degree view using three-channel plasma screen immersive driving environment combines look and feel of a real vehicle.

• State-of-the-art software delivers sharp visuals and crisp images to enhance learning objectives.

• Force-loaded steering provides real-time feedback to augment muscle memory in situations such as tire blowout, sloshing loads or collisions.

• Glass dashboard adds greater flexibility in replicating various types of vehicle gauges.

SPONSORS

The driver training simulator is sponsored by

THE UNIVERSITY OF RHODE ISLAND
COLLEGE OF ENGINEERING

Truck drivers and university professors can now participate in driver training and research respectively in a safe, controlled environment, thanks to the University of Rhode Island Transportation Center’s new driver training simulator.

State and municipal employees will use the simulator to learn how to operate all types of trucks, including snowplows, tractor trailers, 6- and 10-wheel dump trucks, garbage trucks and possibly police, fire and emergency vehicles.

Professors at URI will use the simulator to research driving habits and driver safety.
**Benefits**

**Accident Reduction**
Preventable accidents could be reduced by 20% or more. Simulation training reinforces positive decision making through training in realistic, risk-free situations.

**Fuel Management**
Lower fuel costs could result in an increase fuel efficiency of 2.8% - 7.5%. Realize fuel savings through progressive shifting and fuel management training on the TranSim VS IV.

**Reduced Equipment Maintenance**
Minimize damage to company-owned equipment.

**Increase Driver Retention**
Complete, consistent, objective feedback on performance gives drivers the confidence they need to stay on the road.

**Simulation Options**

**Vehicle Configurations**
- 240 engine types
- 140 transmission types
- 33 axle ratio combinations
- 300 tire sizes
- 35,000 to 200,000 lb. GVW loads

**Environmental Settings**
- Rural
- Urban
- Two-lane
- Interstate
- Freeway
- Flat or hilly terrain

**Weather Conditions**
- Ice
- Fog
- Hail
- Sleet
- Wind
- Snowstorms
- Thunderstorms

**Monitored Functions**
- Shifting techniques
- Speed management
- Fuel management
- Space management
- Response to adverse driving situations

**Training Subjects**
- Hazard recognition
- Fuel management
- Space management
- Poor driving conditions
- Snow removal
- Team snow removal

**Objects Simulated**
- Cars and trucks
- Emergency vehicles
- Pedestrians
- Road barriers
- Bicycles and motorcycles
- Animals
- Traffic signals

**Snowplow Configurations**
- Snowplow, Auto, Left Plow & Wing
- Snowplow, Auto, Right Plow & Wing
- Snowplow, Manual 13, Left Plow & Wing
- Snowplow, Manual 13, Right Plow & Wing
- Snowplow, Manual 9, Left Plow & Wing
- Snowplow, Manual 9, Right Plow & Wing

**Specifications**

- **Height:** 83 inches (2.11 meters)
- **Width:** 119 inches (2.94 meters)
- **Depth:** 63 inches (1.7 meters)
- **Weight:** 1,200 pounds (544 kg)
- **Power Requirements:**
  - 60 Hz, 20-amp, 115vac–Simulator
  - 60 Hz, 15-amp, 115vac–Op Con
- **Minimum Room Size:** 10’ x 10’ x 8H