



World Leader in Land Vehicle Simulation Since 1973

Airport Ground Vehicle Driving Simulators



Airport Ground Vehicle Simulators

Simulators are essential training devices designed to improve the skills and safety of operators managing various vehicles at an airport. These simulators are key in ensuring that operators are well-prepared for the diverse and demanding tasks required to maintain smooth and safe airport operations. From handling snowplows, ARFF vehicles, pickup trucks, and various types of airport ground vehicles, the simulation technology provides personnel with the experience and knowledge they need to perform their duties efficiently.



Airport ground vehicle simulators offer key benefits such as scenario-based training, performance monitoring, skill assessment, and customized snow removal plans. Advanced technology creates precise replicas of airport layouts, helping operators build operational proficiency and spatial awareness. Investing in these simulators improves training effectiveness, reduces costs, and ensures smooth airport operations by equipping personnel with the necessary skills for confident and competent performance.

550XG-SnowMachine

The Doron 550XG-SnowMachine Driving Simulator is a specialized training system designed to simulate the operation of snow removal equipment at airports. It provides realistic training scenarios for operators of snow plows, brooms, and other snow removal vehicles, ensuring they are well-prepared for challenging winter conditions at airport environments.



Realistic Snow Removal Training & Vehicle Handling:

The simulator replicates the operation of various snow removal vehicles (e.g., snowplows, brooms, blowers) and offers realistic scenarios for clearing runways, taxiways, and apron areas during snowstorms or icy conditions. Trainees practice driving and operating the equipment with realistic controls and vehicle dynamics, helping them handle the vehicles under different weather conditions.

Dynamic Training Scenarios:

Instructors can customize snow removal scenarios by adjusting factors like snow depth, wind conditions, and operational challenges, ensuring trainees are prepared for various real-world situations.

Safety, Efficiency & Performance Feedback:

The simulator offers a safe training environment, reducing accident risks and equipment damage while cutting training costs by eliminating live exercises in harsh conditions. It also provides detailed performance assessments to help instructors track progress and identify areas for improvement.

550XG-ARFF

The Doron 550XG-ARFF (Aircraft Rescue and Firefighting) driving simulator system is designed to provide realistic training for fire and rescue personnel. The system aims to simulate real-life emergency response scenarios, helping trainees practice driving emergency vehicles in challenging conditions.



Realistic Driving Environment & Vehicle Handling:

The simulator replicates various terrains, weather conditions, and emergency situations that fire and rescue personnel may encounter, with detailed representations of fire trucks and other emergency vehicles. Trainees practice driving and maneuvering these vehicles with realistic controls and feedback.

Customizable Training Scenarios:

A wide range of customizable scenarios allows trainees to practice different driving techniques, vehicle handling, and emergency response strategies, preparing them for various real-world situations.

Safety, Efficiency & Performance Feedback:

The simulator provides a safe, controlled environment to improve driving skills without the risks of live training. It reduces the need for expensive, hazardous exercises and offers detailed performance feedback to help trainees identify areas for improvement.

550XG – Airport Driving Simulator

The Doron 550XG Airport Driving Simulator is an advanced training system designed to provide realistic simulations for airport vehicle operators, focusing on safe and efficient driving in airport environments. It is commonly used by airport personnel, including ground support crews, security staff, and other operators of airport vehicles.



Realistic Airport Environment & Vehicle Training:

The simulator replicates real-world airport settings, including runways, taxiways, gates, and terminals, while supporting a variety of airport vehicles like fire trucks, ground support vehicles, tugs, and shuttle buses. Trainees practice operating these vehicles in realistic conditions, including navigating busy ramps and interacting with aircraft.

Dynamic Scenarios & Customization:

Instructors can create and customize training scenarios that simulate various airport operations and emergencies. This allows trainees to experience a wide range of situations, preparing them for both routine and critical scenarios.

Safety, Performance Monitoring & Immersive Technology:

The simulator provides a safe training environment that reduces the risks of live exercises, enabling operators to practice rare or hazardous situations. It also includes performance tracking tools to assess skills and decision-making, while offering an immersive experience with high-definition graphics, realistic vehicle dynamics, and intuitive control interfaces for hands-on learning.

Unmatched Experience & Support

- Over 50 years of driving simulation excellence
- More than 25,000 simulators installed
- Comprehensive training
- On-site service & support



Contact Doron today to learn
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