



AIRSIDE OPERATIONS SIMULATION TRAINING SYSTEM END-TO-END SOLUTION

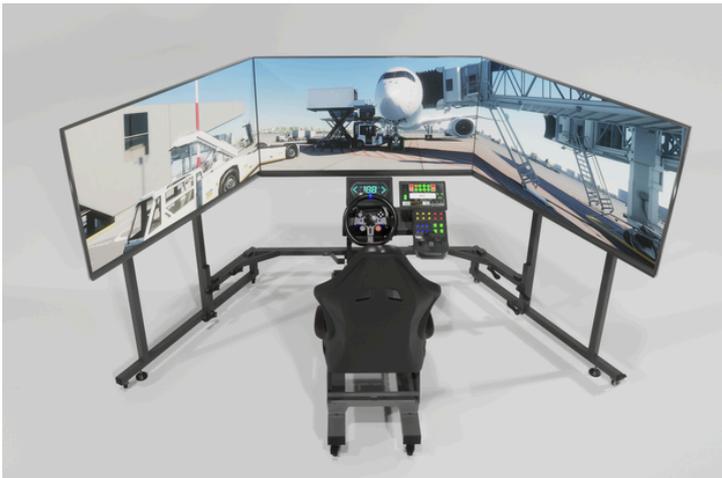
A highly effective platform for realistic, data-driven training of all airside vehicle and equipment operations. Designed for airports and service providers to train faster, safer, and more cost-effectively. Delivers better -prepared teams, reduced operational risks, and lower overall costs.



AIRSIDE OPERATIONS SIMULATION TRAINING SYSTEM

1. STANDARD TRAINER

A portable, high-fidelity driving simulator that replicates real vehicle dynamics in all airside conditions. Designed for universal airport use, it models both general-purpose and specialized fleets with high accuracy.



KEY CAPABILITIES:

- Portable unit with triple-monitor visual system
- Realistic acceleration, braking, traction, steering, and collision response
- True-to-life reactions to friction, load, gradient, and driver input
- Simplified cockpit: seat, wheel, pedals, dashboard, signaling controls
- Supports basic and advanced airside driving requirements
- Dimensions 3072 × 2476 mm, weight 260 kg

Available versions: General Driving, Runway Deicing Machines, Snowplow Vehicles, Ground Support Equipment, Service Vehicles

Add-on: Team Operations & Multi-Vehicle Scenario Module

2. VR SAFETY WALKAROUND MODULE

An immersive, step-by-step pre-operation inspection that mirrors standard airport routines. Using VR goggles and controllers, trainees perform a full 3D walkaround to build procedural discipline and hazard-spotting skills.



KEY CAPABILITIES:

- Realistic pre-operation inspection completed in VR
- Manual and visual checks of all external vehicle elements
- Verification of tires, tools, attachments, and working components
- Review of fluid levels and signaling devices
- Detection of leaks, damage, or improper configurations
- Operation of exterior switches and controls
- Virtual maintenance tasks using interactive tools
- Fault-injection scenarios and guided/test/diagnostic modes
- Automatic integration with simulator assessment records

3. AI ASSISTANT

A smart, voice- and text-interactive knowledge system offering instant guidance, procedures, and technical support. It centralizes all regulations, manuals, and airport-specific rules into a single, searchable hub.

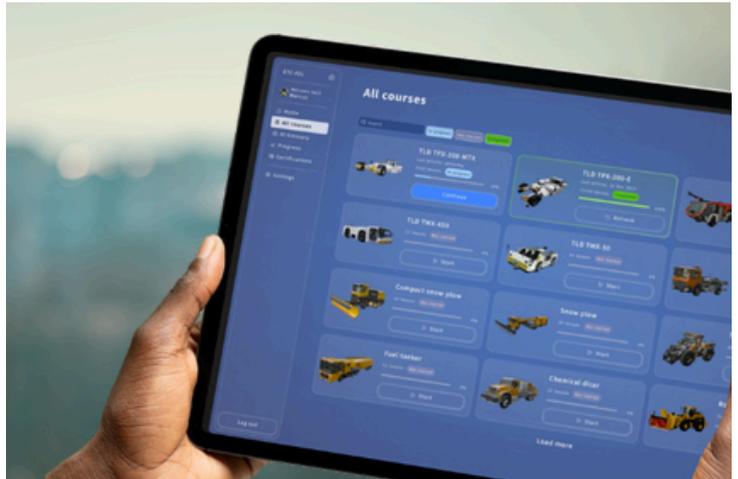


KEY CAPABILITIES:

- Unified database of global, national, and local regulations
- Integrated manuals, maintenance guides, and safety notices
- Hazard zone descriptions and operational advisories
- Free-form queries via text, voice, or visual pointing
- Context-aware responses from verified operational data
- Support for troubleshooting and procedure clarification
- Accessible via browser or mobile for use anywhere on the airside

4. CONTINUOUS TRAINING APP

A mobile micro-learning platform that reinforces skills through short, engaging lessons between simulator sessions. Training adapts to each operator's results, supporting long-term competence and compliance.



KEY CAPABILITIES:

- Mobile and browser access for flexible, on-demand learning
- Dynamic exercises generated from the central knowledge base
- Text and image-based questions covering operations and equipment
- Personalized learning paths based on specialization and performance
- Automated scheduling with progressive difficulty
- Rewards and streaks to maintain engagement
- Topic bookmarking for targeted review
- Full analytics and HR-level progress tracking
- Supports certification prep and periodic exams
- Integrates with simulator data and training systems

AIRSIDE OPERATIONS SIMULATION TRAINING SYSTEM

Simulation no longer needs to be a heavy CAPEX project. With modular architecture and flexible subscription or pay-per-use options, training becomes affordable for airports of any size. Intuitive tools, automated scenarios, and remote management reduce staffing needs, while continuous updates and ready-to-use content keep the system growing with your operations.

Return on Investment

- Cut total training time by up to 70%.
- Lower operating costs by reducing fuel, fluids, and equipment wear.
- Prevent incidents through safe practice of abnormal and emergency scenarios.
- Increase training throughput without extra staff or vehicle downtime.
- Maintain consistent competence with ongoing monitoring and targeted refreshers.
- Improve compliance with digital records and performance analytics.
- Ensure uninterrupted training regardless of weather or operational limits.
- Strengthen reputation as a safe and technologically advanced airport.
- Reduce insurance exposure through fewer incidents and better-qualified staff.
- Standardize procedures across multiple units and service providers.



With over 30 years of expertise in simulation engineering, we have earned global trust across aviation, ground handling, defense, and transportation. Our advanced training systems save lives, optimize budgets, and turn training from a cost center into a competitive advantage. Developed by our expert team, they combine mechatronics, computing, and VR technologies. Trusted worldwide, they deliver mission success in safety-critical environments.



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