

AIRSIDE DRIVER TRAINER

Micro Nav is the leading specialist producer of ATM simulators with an unbroken track record since 1988.

SIMULATOR TRAINING FOR AIRSIDE DRIVERS

The Airside Driver Trainer (ADT) simulator provides a safe, versatile, and dynamic 'hands-on' learning environment for all types of airfield drivers.



The ADT helps to: reduce vehicle runway incursions, increase safety, reduce the costs of vehicle/aircraft damage and minimise interruptions to operations.

Training outcomes can be delivered safely without tying up operational staff and at similar or lower running costs to that of a conventional airside training vehicle.

By practicing in different virtual scenarios, such as Low Visibility Operations (LVO), drivers gain essential skills and familiarity with procedures and hazards that transfer quickly to their live working environment.

TRAINING BENEFITS

Real-time simulation is proven in aviation as a method for training personnel in a low risk environment and at lower costs and disruption than on-the-job training in 'live' operational situations.

The benefits of the ADT include:

- Drivers learn rules and radio procedures in a safe, controlled environment
- Training covers risks not easily replicated in a live environment
- Objective measurement of training, performance and competency
- Facilitates digital record-keeping of training history
- Training (both initial and recurrent) is standardised
- High risk areas and situations can be highlighted in training scenarios
- Fast familiarisation with new airport layouts
- Potential for generation of additional revenue





Image shows an instructor working with a trainee driver using the ADT.

SIMULATOR SPECIFICATIONS

- High performance image generators giving real-time 3D graphics using the latest PC video technology.
- Generous selection of aircraft and ground vehicle 3D models - additional models and liveries can be ordered
- Instructor workstation displays showing views of the training scenario and radio communication controls
- Driver display with three large LCDs delivering high resolution, bright images with a wide field of view

TRAINING APPROACH

The ADT delivers efficient and economic training through real-time immersion in a compelling 3D airport simulation with realistic aircraft, vehicles, weather, ground markings, signs and airport lighting. The simulator can be used for both one-to-one and group training.

TRAINING SCENARIOS

- Inclement Weather & Time-of-Day
- Low Visibility Operations (LVO)
- Heavy Traffic
- Runway Crossings
- Uncontrolled / Controlled Crossings
- Military manoeuvres
- ILS Sensitive Areas
- Vehicle Breakdown Procedures
- Driver Lost Procedures
- Radio-check and Radio Failure Procedures
- Radio Frequency Switching
- Foreign Object Debris (FOD) Retrieval
- Bird Scaring
- Tug Driving - Aircraft Push-back and Towing
- Procedures for Emergency Incidents



Top image shows the ADT Trainees position fitted with an integrated stand set-up for use. The instructor has an intuitive touch-screen interface to control background radio conversations (center image). Bottom image shows ground fog and reduced visibility.

SIMULATOR FEATURES

- Realistic, articulated 3D aircraft, drivable vehicles and Ground Service Equipment (GSE) models
- Accurate 3D airport models with runways, taxiways and apron areas
- Day, night, dusk, reduced visibility and adverse weather conditions
- Instructor tools for offline exercise preparation and online control
- Instructor tools for radio traffic with multiple frequencies and controllers
- Standard Windows® PC platform gives low cost of ownership and upgrades
- User training and full documentation
- Software support and hardware warranty, with extended support options
- Fast, affordable services for creating and updating airports, buildings and layout changes