

Aircraft Marshalling Trainer

Simulator Training for Aircraft Marshallers

The Micro Nav Aircraft Marshalling Trainer (AMT) is a simulation system designed efficiently and economically to train airfield marshallers.

Improving the training of marshalling personnel raises safety, and reduces accidents. It also saves damage to valuable aircraft and infrastructure on the airport apron while reducing the costs of flight delays.

The AMT has been designed to deliver training outcomes safely. Through practice in different virtual scenarios, trainee marshallers gain essential skills and familiarity with procedures that transfer quickly to their demanding working environment.

Training Benefits

Real-time simulation is proven in aviation as a method of choice for training personnel in a low risk environment and at much lower costs than instruction on-the-job in real operational situations.

The benefits of the AMT include:

- ✓ Trainee marshallers learn skills and procedures in safety
- ✓ Training covers time of day (day, night, dawn, dusk)
- ✓ Training covers adverse weather conditions
- ✓ Emergency and unusual situations can be covered
- ✓ Familiarisation with new aircraft and locations
- ✓ Time spent training in the live operational environment is reduced, and
- ✓ Training disruption to airside operations is reduced.



How it Works

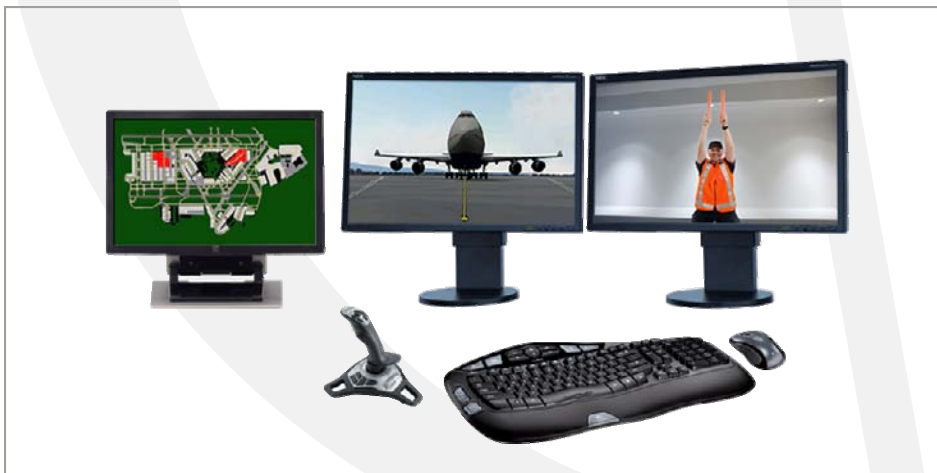
The AMT simulator is a real-time one-on-one training system. The instructor can create different training scenarios, with realistic 3D aircraft and vehicles in a convincing airside environment.

The trainee is presented with a high-fidelity 3D airport scene, that includes aircraft and vehicles manoeuvring in the apron area.

The instructor can pilot aircraft in response to the trainee's visual signals, and provide valuable tuition according to the performance of the trainee.

The AMT simulator advances the training of airside ground personnel, by introducing an appropriate 'hands-on' method of learning and progressive teaching in to an approved syllabus and schedule.

Instructor Station Hardware



The instructor tools include scenario generation tools, 3D view of the virtual airside environment, live visual feed of the trainee marshaller and aircraft piloting controls.

Aircraft Marshalling Trainer

Simulator Features

The AMT includes the following features:

- Realistic, articulated and animated 3D aircraft models
- Realistic movement of aircraft and vehicles
- Realistic 3D airport models including signs and visual cues
- Simulation of day, night, dusk, reduced visibility and adverse weather conditions
- Simulation of emergencies, unusual events and heavy traffic
- Instructor tools for exercise preparation and control of weather and traffic
- Instructor controls and interaction with the exercise, including control of aircraft and vehicles
- Small footprint, freestanding or wall-mounted, for the trainee display
- PC platform offering low cost of ownership, maintenance and upgrades
- User training documentation, and
- Software support and hardware warranty, with extended support options

Simulator Specifications

The AMT includes the following:

- High performance image generator with real-time 3D graphics using latest-generation PC video technology
- Generous selection of 3D aircraft and ground vehicle models - additional models and liveries can be ordered
- Instructor workstation includes three displays and aircraft piloting control hardware
- Instructor display incorporates both 2D and 3D views of the airport and scenario
- Trainee display of three large LCD displays deliver high resolution, bright images with a wide field of view
- Live video streaming of the pilot's view of the trainee to the instructor, and
- Option to integrate with Airside Driver Trainer (ADT) and 3D Tower Simulator for team training of drivers, ground staff and tower controllers.

Training Approach

The AMT simulator delivers efficient and economic training through immersion in a compelling 3D airport environment, and real-time interaction with realistic aircraft, vehicles, weather, ground markings, signs and signals.



Trainee displays show the high-fidelity 3D airside environment (in this example scenario, a Boeing 747 is approaching a stand).

About Micro Nav Ltd

Micro Nav is the leading specialist supplier of Air Traffic Control (ATC) and aviation simulation training systems worldwide, with an unbroken track record dating back to 1988. Micro Nav develops, delivers and supports airport training systems, servicing an established global customer base that includes major airport operators and national air traffic authorities. The AMT is a ground staff training product within a portfolio of civil and military aviation training systems and airport design and planning tools.

Please contact us for further information, pricing, and to arrange a demonstration of the Aircraft Marshalling Trainer.

Contact Details:

Sales & Marketing
Micro Nav Ltd
Gild House, 64-68 Norwich Avenue West
Bournemouth, Dorset
BH2 6AW
United Kingdom

t: +44 (0) 1202 764 444

f: +44 (0) 1202 545 079

w: www.micronav.co.uk

e: sales@micronav.co.uk