



ATTower® - TOWSIM®

ATTower simulation products are designed by UFA, The Experts in Air Traffic Control (ATC) Simulation, to support the realistic training of air traffic controllers in a combined apron, tower, approach and en route environment. The ATTower software can be configured to support the training of individual controllers or teams of controllers using simple or complex exercises.



ATTower Simulator at Charles De Gaulle Airport in Paris, France

Key ATTower Features

- Apron, Tower, Approach and En Route Control Simulation Capability
- Small (2-computer) to Large Configurations (128-computer) Supported
- Realistic Aircraft Performance Model
- Modular Software
- Intuitive CHI Interface for Pilot and Exercise Control
- Software Designed to be Easily Adapted to Actual Controller and Supervisor CHI
- Complete toolset for development of site and scenario data
- All software PC based using Microsoft Windows

The UFA team is ready to meet your standalone radar and tower simulation needs in a turnkey fashion and will adapt the system to each customer's individual requirements, install the system, and support the system throughout its lifecycle.

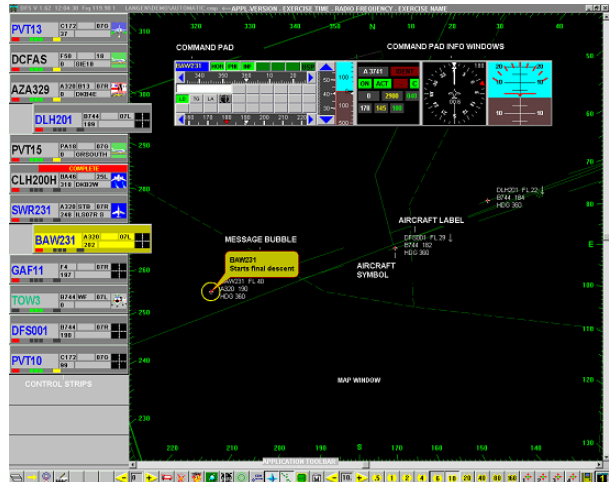
The ATTower product is presently being used by: DGAC/ADP France, FMG, DLR and DFS Germany, EUROCONTROL Luxembourg, CAA Finland, AAI CATC India, and the US Army National Guard.

An ATC Simulation Product

Runtime Applications:

The Exercise Engine calculates realistic flight dynamics for different types of aircraft and helicopters based on their physical data and simulated weather.

The Pseudo Pilot application provides a highly intuitive graphical interface to the user with a maximum of 127 aircraft to be controlled per Pseudo Pilot Station.



The ATView® Image Generator application provides state of the art 3D out of the window and 2D Birdseye views for Tower training.

The Exercise Control Application allows the user to select exercises, configure the simulator for the exercise, centrally start the exercise, perform intermediate pause/resume or stop the exercise. Online events may be triggered via the GUI.

The Radar Application provides different configurable Ground, Approach, Precision Approach and En Route Radar layouts. The Radar Sources Application simulates up to twenty configurable radar antennae

The WX Simulator application is used to create realistic weather situations. The WX Simulation Editor is designed to work with WIAS or METEO to display the weather situation.

The Aerodrome Lighting application allows the user to switch on/off single or groups of lighting elements. The application is designed to allow flexible and easy adaptation of layout and switches for different aerodromes.

The Flight Data Displays present flight plan data to the Controller.

The Data Recording application allows the recording of up to a two hour session. Furthermore, recorded exercises can be replayed at any point.



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Data Preparation Applications:

The Exercise Planning Editor is used to enter aircraft flight plans.

The Procedure Editor is used to generate scripts that are processed by the system as if they were macro commands.

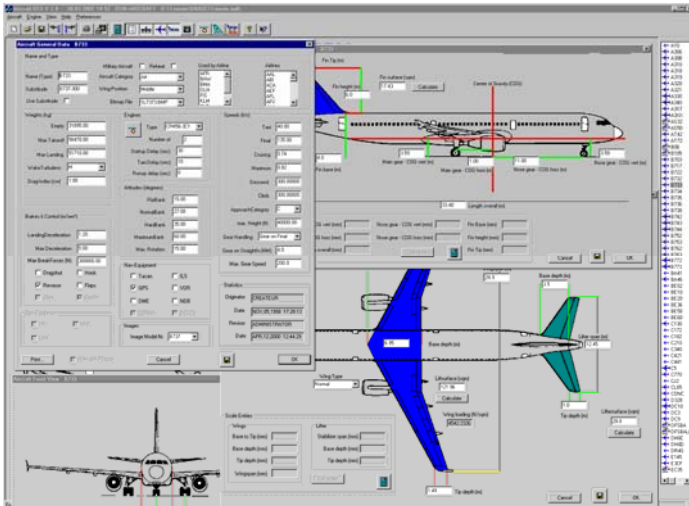
The Aircraft Performance Editor generates and updates the aircraft database.

The Map Editor is used to generate maps that may be displayed at the Pseudo Pilot and/or Radar workstations with map overlays.

The Airport Designer (AirDes) Editor is used for defining or changing the network of nodes, taxiways, runways and parking bays that form the basis of an aerodrome.

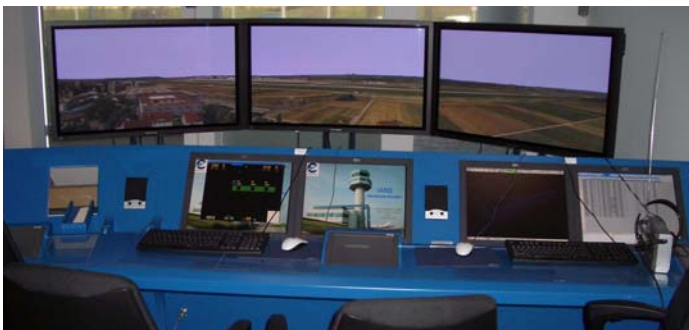


ATTower installation at Tartu Aviation College, Estonia



The Strip Editor and Strip Print are used to create or modify user-defined strips and to print flight strips on- and off-line.

The Weather (WX) Editor serves to define and control realistic weather situations by creating an output that can be used to feed different clients.



ATTower Simulator at EUROCONTROL IANS in Luxembourg

Summary

The ATTower product family provides a full range of options to meet your standalone Tower and Radar Simulation and Training requirements. ATTower provides a very accurate representation of aircraft motion to ensure that the student controller is trained using realistic aircraft maneuvers. ATTower is a complete turnkey solution proven at many customer sites around the world.

Additional Information & Demonstrations

To obtain additional information or arrange for a demonstration please contact any of the following:

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