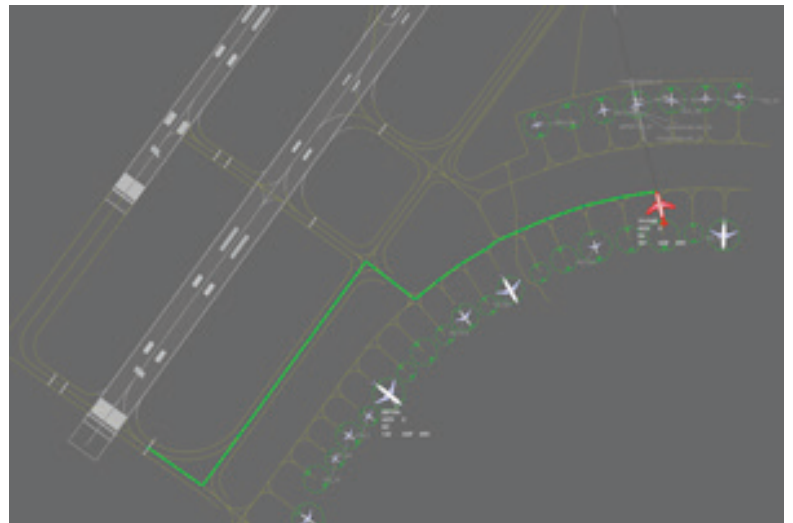


ATCSim | Air Traffic Control Tower and Radar Simulator



ATCSim is a complete and high fidelity simulator. Supporting both En-Route and Approach traffic, it meets all training requirements from ab-initio to TRUCE.

ATCSim provides a total training for 2D/3D-TWR/APP/ACC controllers in a multi-session and multi-exercise system. Its mission is to enhance training of controllers, providing the capability to simulate an unlimited range of high complexity operational situations.



Approach En-route Radar Control Simulator

- Area control, approach control , ground control precision approach control
- Advanced ground control and routing system (A-SMGCS)
- Simulation of surveillance data of various types (PSR, SSR, MSSR, MLAT, ADS-B)
- Modern safety net
- Single and multi-sector simulation
- Multi-functional electronic flight strips

Pseudo Pilot Simulator

- User friendly interface
- Control & guidance of various aircrafts
- Automatic and manual handling of aircraft
- Efficient traffic transfer functions act like radar traffic transfer
- Real like Flight Management System GUI

Exercise Preparation Station

- Parametric auto-scenario creation
- Create and edit navigational aid
- Create and edit all aspects of the airport
- Define antenna patterns and radar coverage
- Scenario preview utility
- Usage of ARINC based IFR compliant standard procedures
- Time based scheduled events like navaid/lighting/radar failures

Tower Control Simulator

- 3D visual display up to 360° horizontal view
- Dynamic day and night transition
- Weather modeling
- Emergency situations
- Lighting (runway, taxiway, aerodrome)
- Realistic binocular simulation
- Numerous pre-defined airport, aircraft and ground vehicles
- Special effects (explosions, smoke, fire)

ATCSim Offers

- Covers all training requirements from ab-initio to TRUCE
- Advanced En Route and Approach training including emergency training
- Combined Tower and Radar scenarios provide complete gate-to-gate training
- User friendly and efficient HMI
- Up to 360° realistic 3D airfield visual tower system
- 3D Tower Binoculars
- Realistic aircraft and vehicle behavior, compliant with BADA
- Compliant with rules and international standards like EUROCONTROL and ICAO

