Are you planning to restructure your Airspace? Are you about delivering ATCO Training? SKYSIM offers a very realistic aircraft behavior, it can be used as a procedure planning tool. New routes and flow of traffic may be simulated in a matter of minutes. SKYSIM is a user friendly assistant for airspace and sector changes to train operational staff before airspace changes become valid in real life.

The ATC Trainer
Prepare and run your customized simulation

- Basic training
- Real time simulation
- Procedure & Airspace Design
- System Testing & Evolution

Its innovative user interface was developed in close collaboration with active controllers.
ROSE is a radar simulation & preparation software which offers the possibility to generate new traffic scenarios and airspaces with very little effort. The scalable simulator can be used e.g. on independent working stations as a demonstration tool to teach basic ATC radar skills & for self-study, or in a complex networked simulation environment.

Exercise Design Interface
- Realistic aircraft performance data base (350 individual aircraft types)
- Meteo & environmental data
- Easy creation, modification and reuse of flight plans
- ACC, APP, Tower Control, traffic operation

Simulation Possibilities
- Integrated configurable VoiceCom module
- Link together up to 33 positions via network
- Flexible allocation of pseudo pilot / ATC positions
- Rewind & fast forward, review, resume – comfortable for training analysis

Interfaces
- Flexible import format for airspace data
- Import of traffic samples, e.g. from NEST/EUROCONTROL
- Connect to flight simulators, e.g. Microsoft, ELITE

SKYVISUAL is an operational radar display for Air Traffic Controllers (ATCOs) with a complete graphical presentation of ATC information and data. It is designed to increase the ATC situational awareness of ATCOs and interface with the ATM systems and controller support tools. The user interface is tailored to the ATCO daily tasks.

For ACC/APP
- Intuitive Access to key ATC DATA
- Proactive Display of Controller Support Tools
- Individual personalization by ATCO
- Electronic strip or strip-less system ready
- Label anti-overlap automatic system
- Unlimited personalized set-ups available for each user
- Optimized display of Safety Nets Warnings
- Windows transparency
- Very optimized graphical interaction (one click)
- Context sensitive interface
- Flight Plan efficient display

For Tower
- Dedicated Tower Air situation display including A_SMGCS data
- Electronic Fully configurable flight strip layout with various TWR/APP Air Traffic controller roles
Flight Data Processing Functionalities
- Automatic conflict detection/resolution over exit points
- MTCD
- What if tool
- 4D Trajectory Prediction
- Flight Plan Database
- On line flight Plan Modifications
- Dynamic Airspace Management
- Electronic coordination
- Stripless, e-strip or Paper Strip
- Controller Pilot Data Link Communication (CPDLC)

System Coordination (SYSCO)
Supports the user in the flight coordination procedures within the center and with the adjacent ATS units by:
- OLDI
- AIDC
- AFTN terminal

Silent coordination between sectors and adjacent centers.

Safety Nets
- Short term Conflict Alert (STCA)
- Area Intrusion Warning (AIW)
- Minimum Safe Altitude Warning (MSAW)
- Cleared Level Adherence Monitoring (RAM)
- Route Adherence Monitoring (RAM)
- Missed Position Report (MPR)

SKYSERVER is an operational centralized ATC data processing engine, including FDP. With the integration of many ATCOs working rules, it naturally leads to ATC automation (automatic conflict detection/resolution, MTCD...) and to outstanding airspace capacity improvements.

SKYREC is providing an exclusive recording capability to capture all training data to allow a automatic or manual analysis of the achievements of the trainees.

Recording and Replay
- Synchronously records and replay radar, screens, voice, mouse, keyboard and serial lines
- Software or hardware based Screen and recording
- Loss-less recording
- Instantaneous access to recorded data
- Legal recording, post event analysis, training, technical Investigations
- Flexible and scalable architecture

SKYSIM Technical Specifications
- Use of COTS Hardware
- OS Windows
- SNMP Monitoring
- Open architecture for the introduction of future enhancements
- Redundancy of key elements
- High availability and MTBF rates
PORTABLE SIMULATOR COMPONENTS

SKYSIM is a fully portable simulation environment which can be seamlessly deployed to run customized exercises in no time.

SKYSIM 1
- Core simulation and airspace editor module

SKYSIM 2
- Portable multi-position simulator

SKYSIM 3
- Full large scale simulator

About SkySoft-ATM

SkySoft-ATM’s corporate mission is to rethink the design and the implementation of ATM systems. The company brings innovative solutions to the many challenges of Air Traffic Control. By combining technical performance and a human approach, SkySoft-ATM achieves high productivity, reliability and safety standards. User-friendliness and flexibility are the central themes of the company’s vision, which leads to custom-made solutions, developed in close cooperation with clients.

SkySoft-ATM is one of the market leaders for recording solutions and has successfully designed and deployed the biggest screen recording projects. SkyRec is currently recording thousands screens, keyboards and mice as well as radar and voice channels worldwide.

With Albatross, SkySoft-ATM is the initiator of the first open source community in the ATM domain.

SkySoft is targeting the Drone detection vibrant market providing seamless UAV traffic management components.

After 15 years of use of our ATM Solution in operational on large ATCO Simulation environment SkySoft is introducing SKYSIM a multipurpose portable ATM Simulation Solution.