An efficient Recording Solution is essential to most ANSPs for Legal Recording, Post incident analysis, training purposes or technical investigation.

SkyRec solution is a leading edge ATM Data recording solution with impressive implementation references.

**SKYREC SOLUTION**

Capture essential ATC Data

- **SkyRec Blackbox**: A high performance hardware-based multimedia recording tool.
- **SkyRec Video Software Edition**: Pure software lossless video, serial and audio recording.
- **SkyRec Radar & Data recording**: Through the wall Radar and other ATC Data capture for legal purposes.
- **SkyRec Replay**: Synchronously replays all recorded data to perform analysis or training activities.
With the embedded Optical Character Recognition search engine, you can retrieve immediately specific events (MTCD, STCA, etc.) or Call signs.

At The Glass (ATG) data captured from the CWP screen is essential to most ANSP’s for Legal Recording, post event analysis, training purposes, or technical investigation.

SkyRec BlackBox also provides synchronized voice, mouse and keyboard data, serial lines recording. It reflects an exact picture of ATCO’s environment at any point in time.

Key advantages
- A complete ACC, APP, TWR recording solution
- Costs/ROI optimization
- Easy maintenance
- Total flexibility and perfect adaptability to evolving needs
- Customizable modular solution
- Product customization to local requirements
- Easy integration with customer environment
- Fast implementation 60’000 H MTBF
- Lossless At The Glass recording
- Search for events and call signs automatically
- Export synchronized recorded data to standard media for external replay

While recording, the SkyRec Software Edition has no impact on system performance which attests to its reliability and safety. The recording is totally transparent to the ATCO’s as the main application’s response time is unchanged. In addition, the excellent image quality of the replayed sequences provides a valuable basis for a detailed post-event analysis. The recorded files can also be converted into standard formats (AVI, MPEG, etc).

Furthermore, SkyRec Software Edition guarantees the storage and replay readability of the recorded data as a key safety factor.

SkyRec Software Edition offers a wide variety of applications for various uses such as post-event analysis (technical or legal purposes), training, all sorts of simulations, creation of training and/or presentation materials, ATCO examinations, remote maintenance and/or tech diagnosis, etc.

SkyRec software edition is available for Windows and Linux.

Key advantages
- Compatible replay with SkyRec Blackbox recorded data
- Low memory usage even during full capacity workload
- Limited and constant CPU workload
- Optimized recorded data file size
SKYREC RADAR & DATA RECORDING

Is providing synchronously “Through the Wall” Radar/ and other ATC Data recording. Designed to work on a permanent and continuous basis (24 hours a day, 7 days per week). In case there is a legal recording requirement, Radar recording is coupled with a voice recording solution.

Key advantages
- Recording of multiple data flows
- Radar data (primary and secondary)
- Processed radar data (Asterix, …)
- Flight plans data (Adexp, …)
- Other flows (weather, supervision, …)
- Various protocol supported (IP, UDP, TCP, …)
- Replay with existing customer systems
- or with Skyvisual and Albatross Display solutions
- COTS hardware
- Accurate time stamping
- Flexible architecture
- Large bandwidth capacity
- Low memory usage

SKYREC REPLAY

User friendly application to playback all recorded data synchronously. Multiple export features are offered for archiving and post processing on portable storage media. Embedded playback application in export file allow the immediate replay of encrypted data on any windows PC without software installation.

Select audio, video, Radar data to replay in just a few clicks and replay them synchronously. While playing back you can generate bookmarks, speed-up or slow down the replay. Then export synchronized data to any local or remote storage.

SkyRec Replay includes an OCR search engine to retrieve Call signs, STCA, MTCD or any specific event automatically and generates bookmarks for each occurrence to allow a quick access to video data of interest.

Key advantages
- Synchronously records and replay radar, screens, voice, mouse, keyboard and serial lines
- Single playback interface for all SkyRec Products
- Instantaneous access to recorded data
- Legal recording, post event analysis, training, technical investigations
- OCR search engine
- Range and Bearing on video
- API with 3rd party Voice and Radar recording system
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.