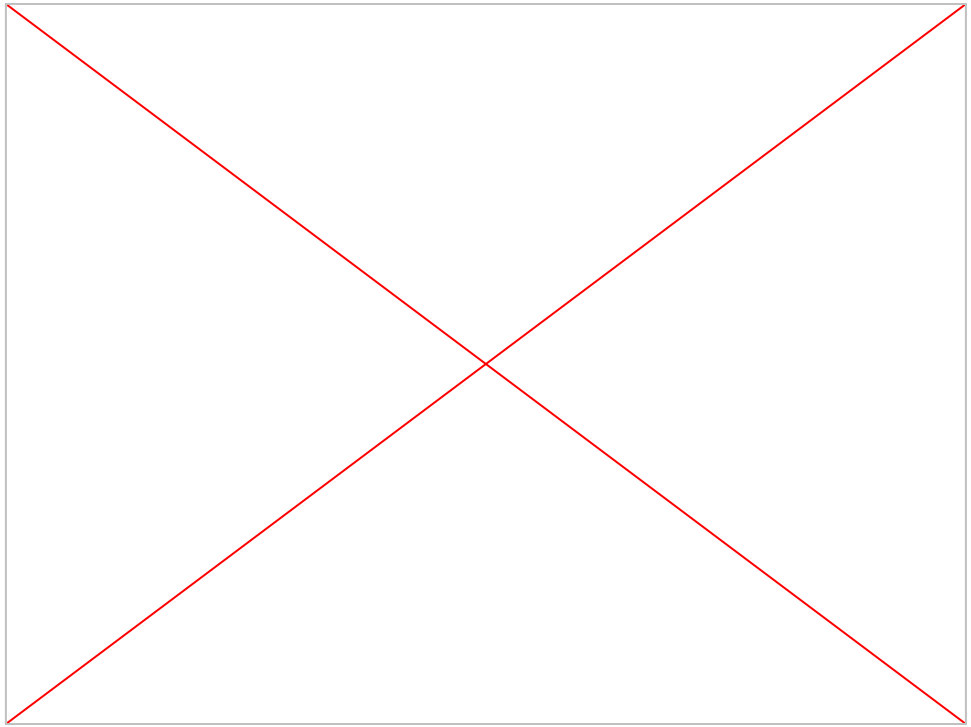
SIMSOFT

Simulators & Services

for Air Traffic Controllers & Pilots

Company & Product Overview
2025

SIMSOFT



Our group

About Us

SIMSOFT

We are

- aiming to improve Air Traffic Controller expertise by using advanced simulation systems that deliver high complexity training scenarios
- founded în 2011 and led by active air traffic controllers, who were continuously involved in the product development process
- headquartered in the Cluj-Napoca, 2nd most important Romanian University Centre, and with offices in main romanian IT & academic hubs Iasi si Bucharest.
- different due to our expertise and flexibility in meeting customer needs. Flexibility and speed, far superior to the big players

Products Overview

"Training solutions for controllers, by controllers"

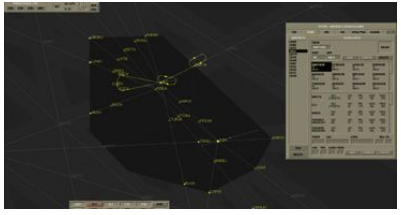
SIMSOFT

APP & ROUTE Simulator

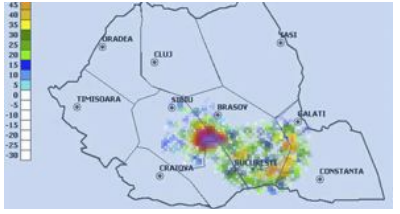
- Realistic emulation of en-route and approach radar
- Using simple and powerful user interface
- With complete auxiliary systems
- Integrated with 3D Tower

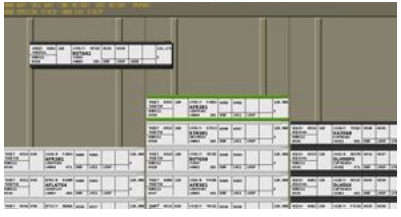
Tower Simulator

- Full-scale ATC simulator providing an interactive, highly realistic, environment
- Visual representation and programmable levels of weather phenomenon characteristic of each control tower geographical location.







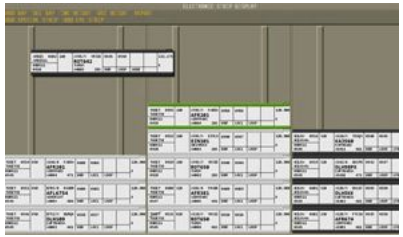



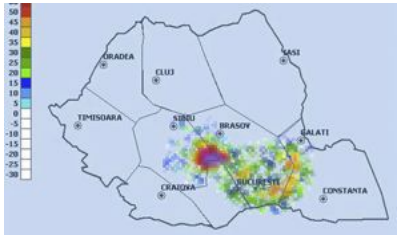
Products Components

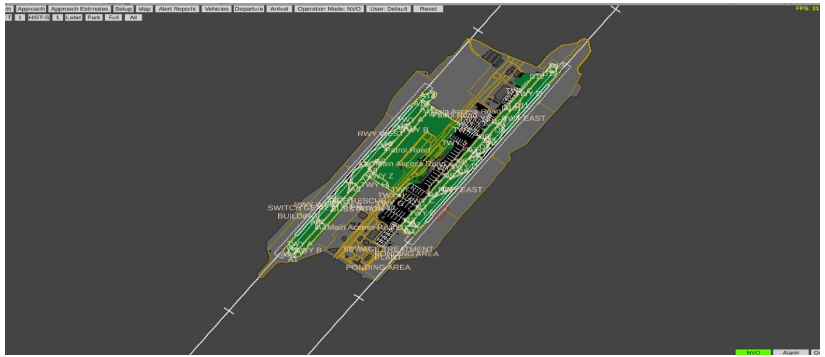
"Training solutions for controllers, by controllers"

SIMSOFT

- Voice Communication System
- Meteorological Information
- Electronic Flight Strips
- Lights Control Panel
- Surface Movement Radar
- Precision Approach Radar







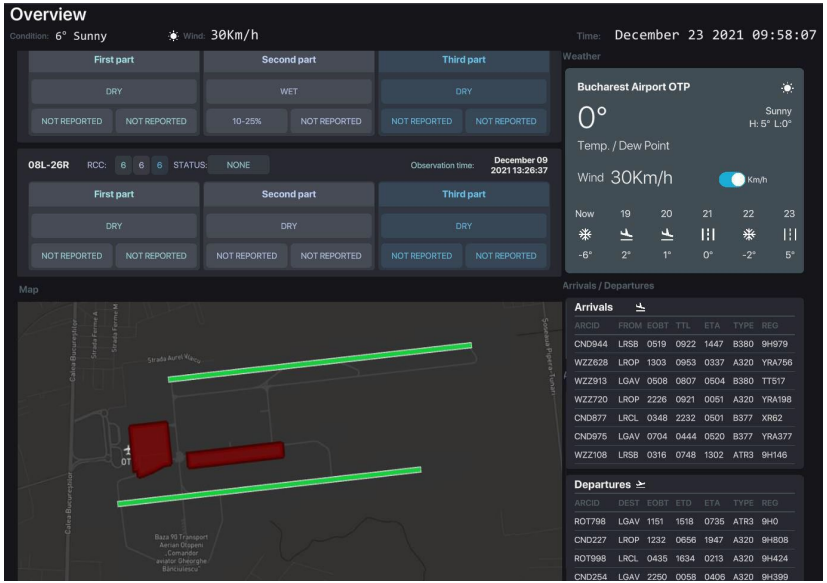
Products Overview

SNOWTAM

SIMSOFT

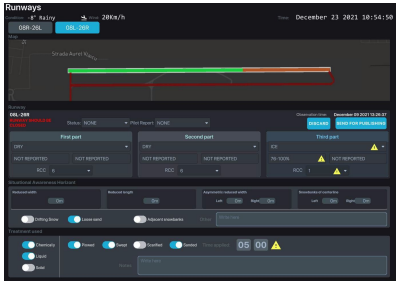
AIO-SNOWTAM

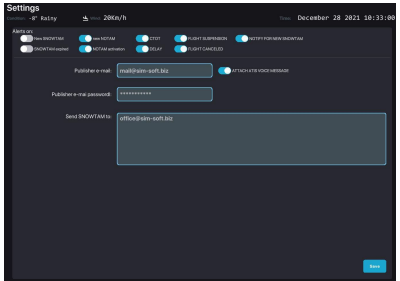
Standardized reporting system used to communicate information about the condition of runways, taxiways, and other airport surfaces that may be affected by snow, ice, or other types of contamination.



Features:

- Cloud based
- Mobile device agnostic
- Fast deployment for a new airport



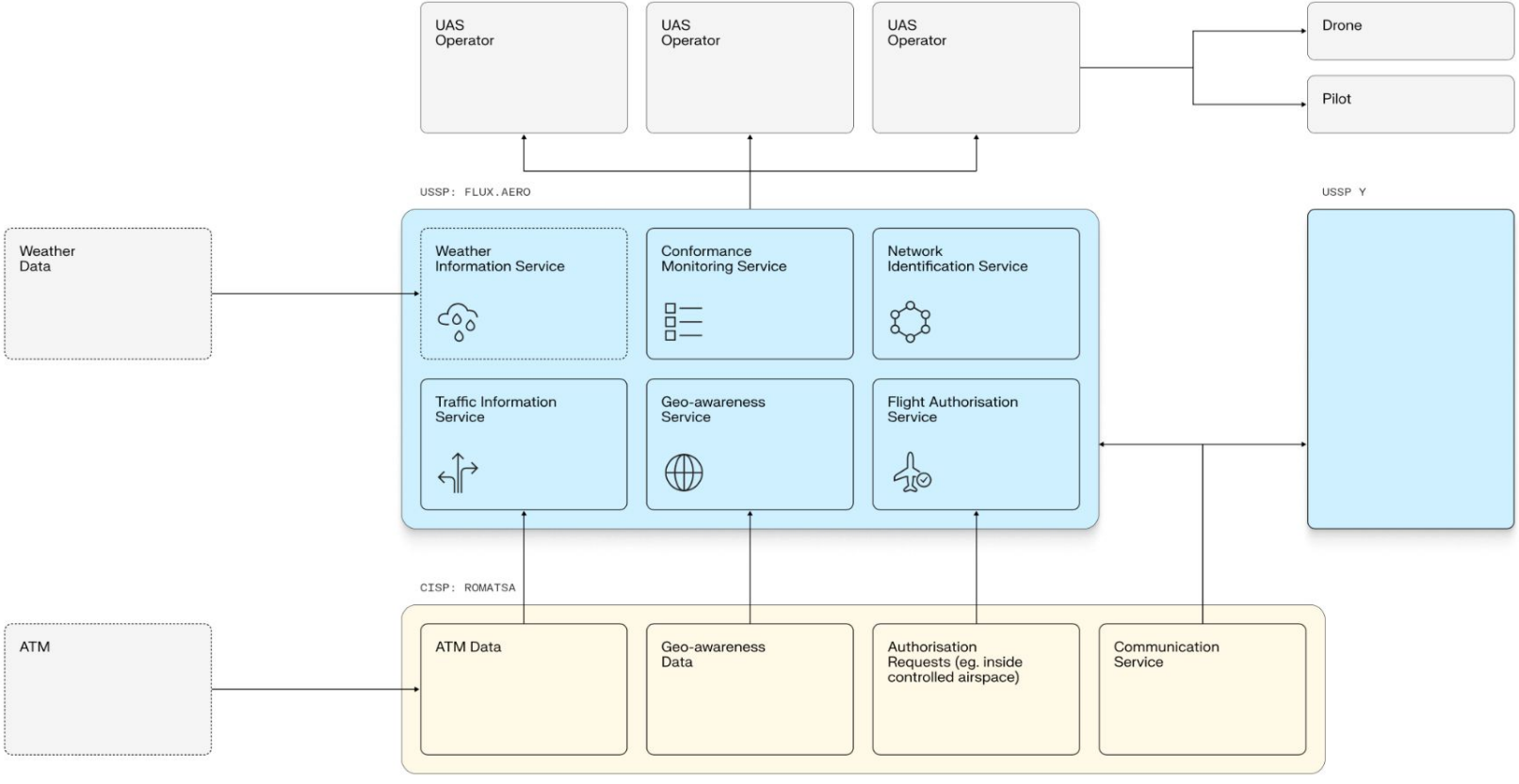


The U-Space ready USSP Platform

FLUX.aero™
by Sim Soft

DATA EXCHANGE ARCHITECTURE

FLUX.aero™
by Sim Soft

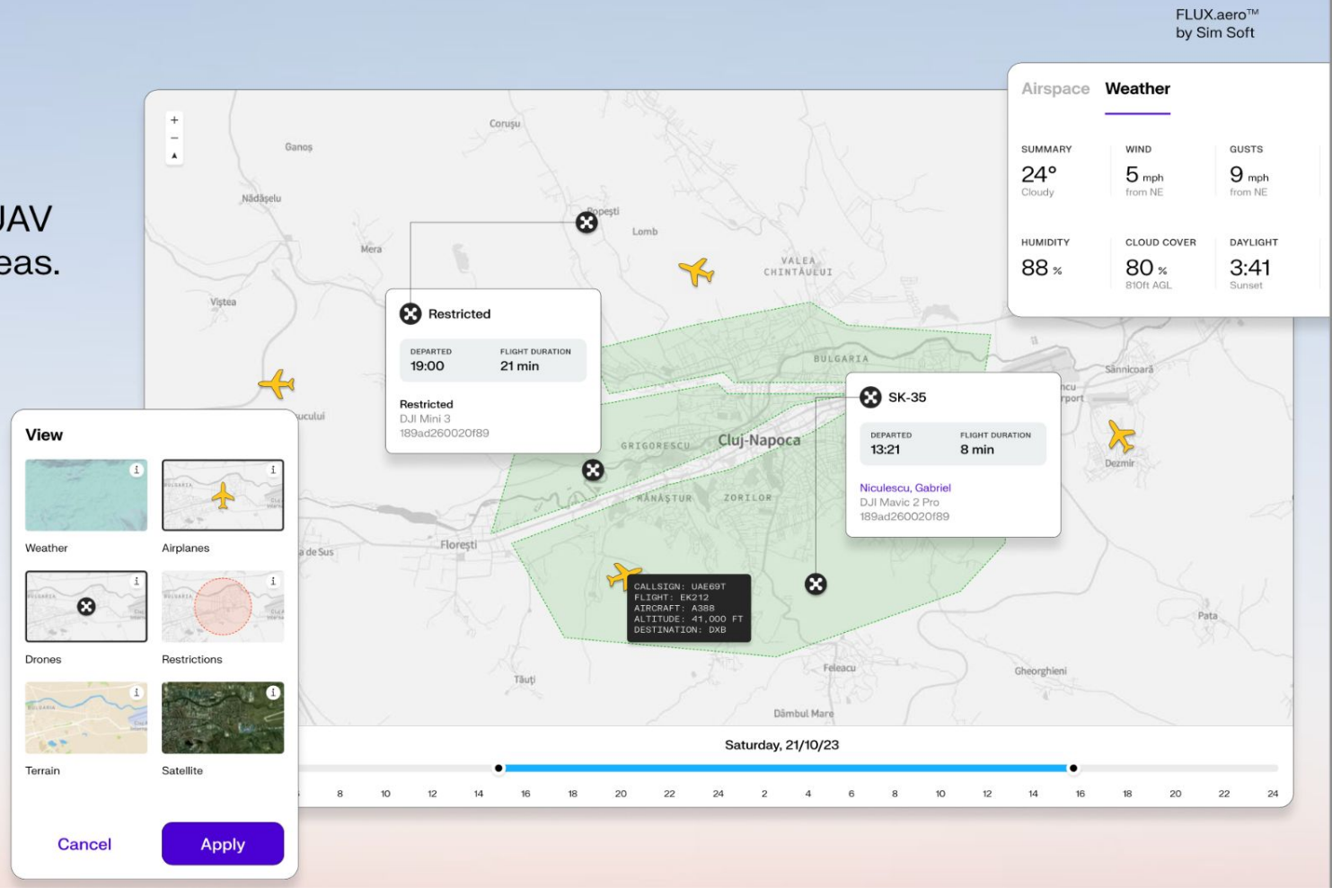


TRAFFIC INFORMATION SERVICE

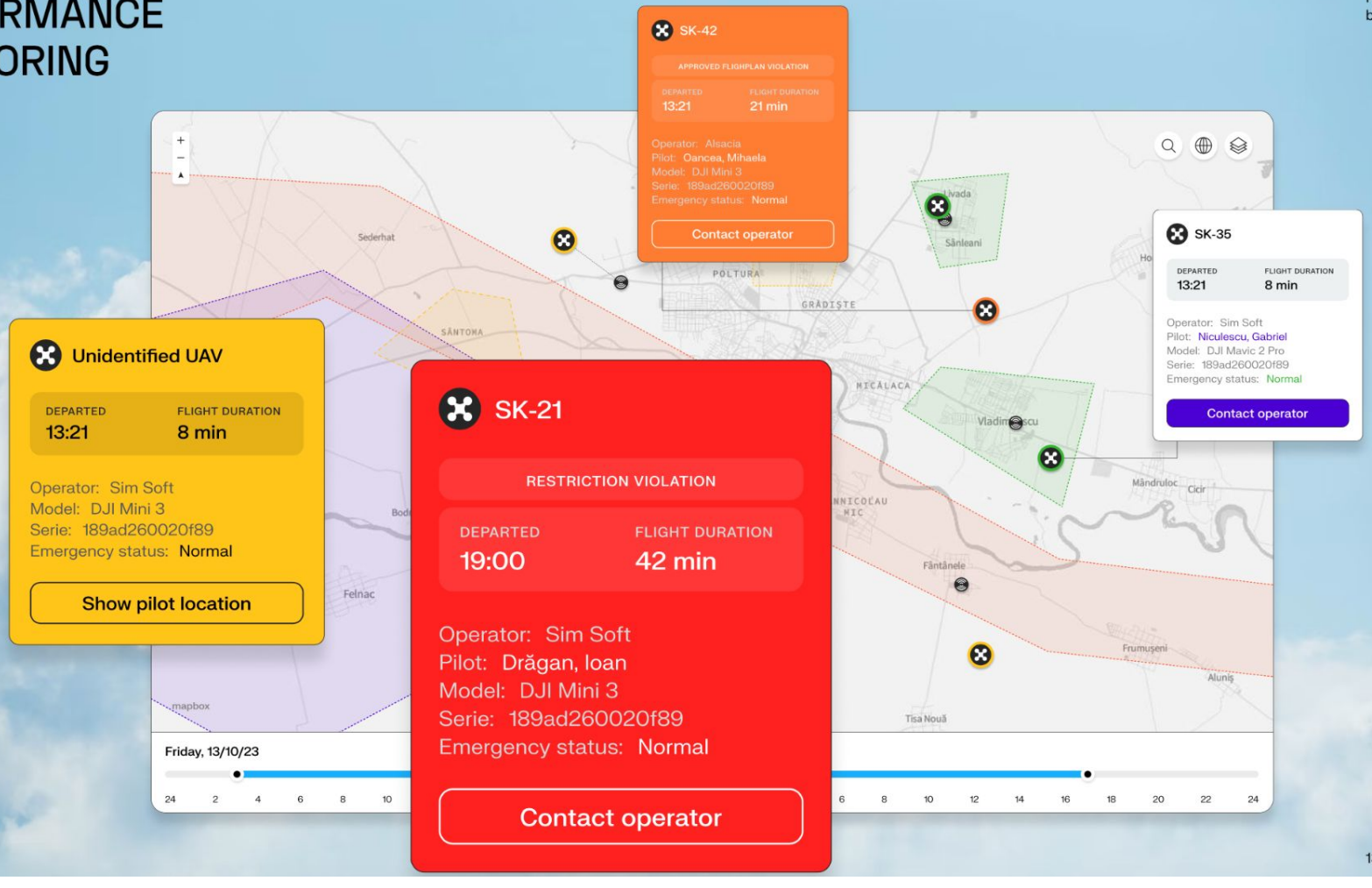
Integrated real time UAV monitoring of pilot areas.

Traffic Info Sources:

- FT24
- ADS-B (FLUX.aero)
- ADS-L (FLUX.aero)
- Telemetry (FLUX.aero)
- Registered flight plans

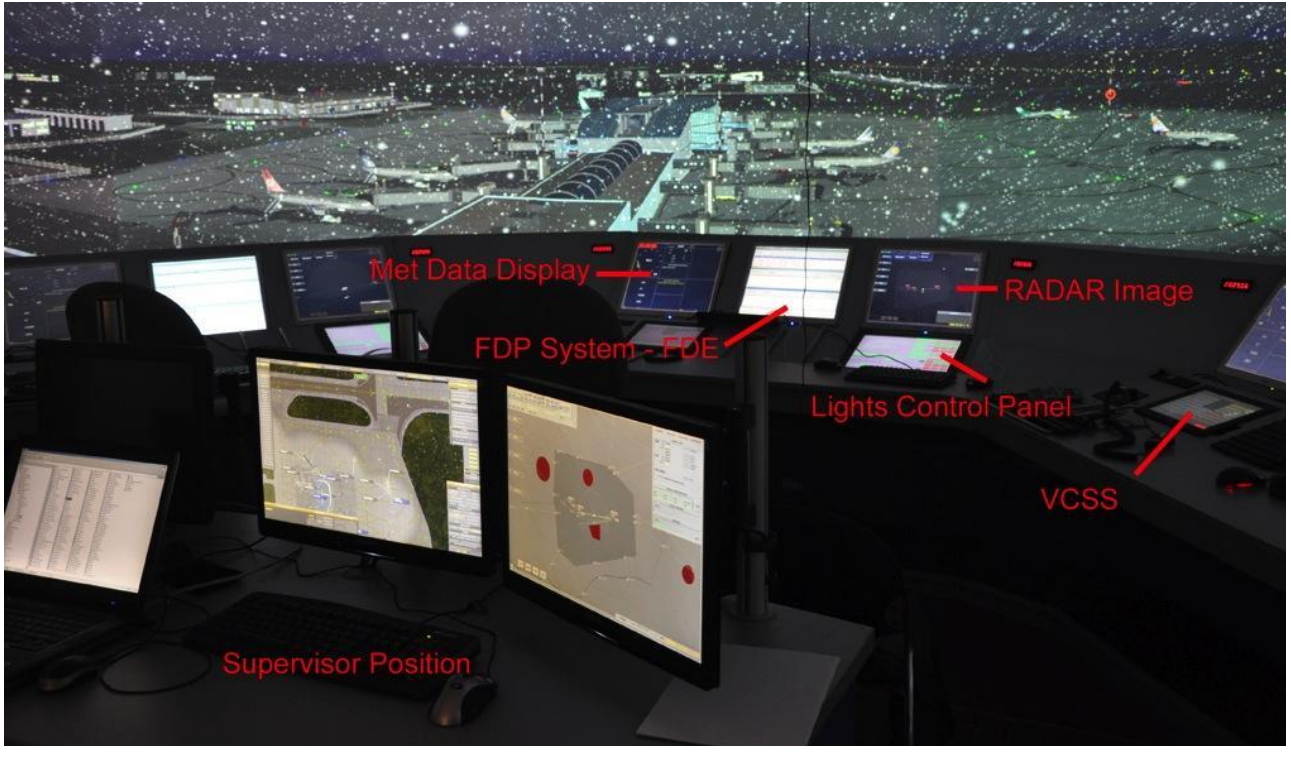


CONFORMANCE MONITORING



Success Story – ROMATSA
Bucharest, “Henry Coandă” Airport

SIMSOFT



Case Study – ROMATSA
Bucharest, "Henry Coandă" Airport

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Project Details:

- 3 Working Positions (LOCAL 1, LOCAL 2 and GROUND/RAMP)
- 3D Tower out-of-the-window view using **cylindrical screen projection**
- 3 months implementation
- Strict budget limitation for infrastructure
- Only one administrative and one support specialist required
- Customer specific: tailored to Bucharest/Henri Coanda Airport & Airspace
- SaaS simulator for better CAPEX

References:

- Simulation center launched with Minister of Transportation

Case Study - Hellenic Civil Aviation Authority 360° 3D Tower Simulator

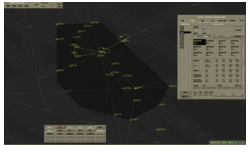
SIMSOFT

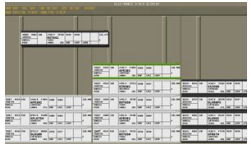
Simulator:

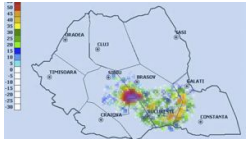
- LED project based, **360 degree tower display**
- Consoles: RADAR, Meteo, Lights, VCS, SMR
- Configured for 4 simulation exercises in parallel
- Configuration: 4x Controller + 1x Supervisor
- Standards: **ICAO, EUROCONTROL**

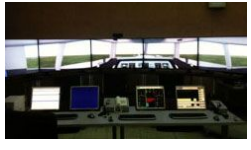
Project:

- JV with **Cosmos Business Solutions** - Greece
- Scope: instal, personalize & training
- Duration: **4 months**
- Personalized aircrafts: **140**
- 3D Airports:: **Atena, Heraklion, Mykonos, Thessaloniki, Kos**









Case Study - Tonga Airports Limited
180° 3D Tower Simulator

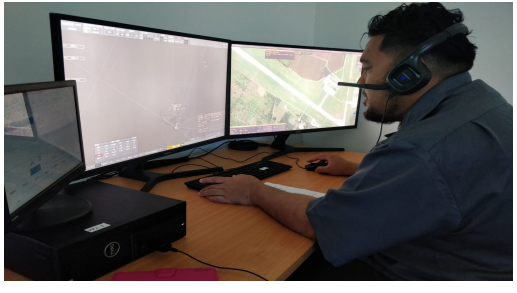
SIMSOFT

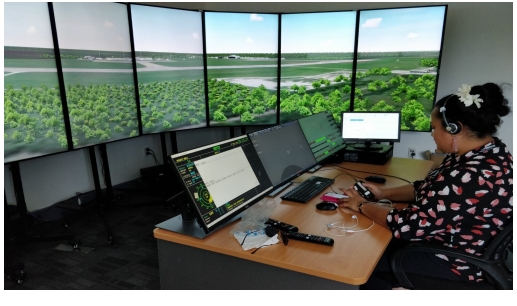
Simulator:

- LED project based, **360 degree tower display**
- Consoles: RADAR, Meteo, Lights, VCS
- Configuration: 2x Controller + 1x Supervisor
- Standards: **ICAO**

Project:

- World Bank Financed
- Scope: hardware, install, personalize & training
- Duration: **3 months**
- Personalized aircrafts: **23**
- 3D Airports:: **Fua'amotu International Airport**





Case Study - Romanian Civil Aviation Academy
Mobile 360° 3D Tower Simulator

SIMSOFT

Simulator:

- LED project based, **360 degree tower display**
- Consoles: RADAR, Surface Radar, Meteo, Lights, VCS
- Configuration: 1x Controller + 1x Supervisor
- Standards: **ICAO**

Project:

- World Bank Financed
- Scope: software & hardware

Notable Military References

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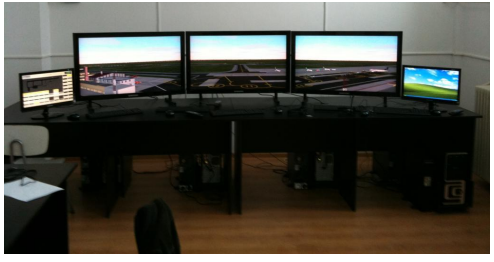
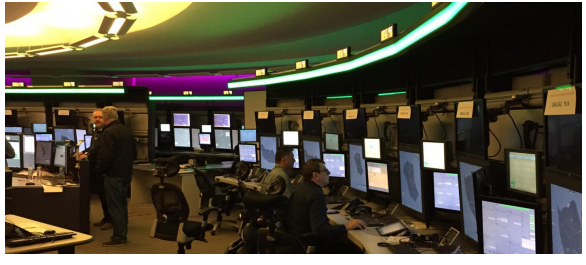
Şcoala Militară de Maiștri Militari și Subofițeri a Forțelor Aeriene:

- RADAR Simulator (EN-ROUTE, APPROACH)
- 180 degree 3D Tower Simulator



ROMATSA - București:

- RADAR Simulator (EN-ROUTE, APPROACH)



ROMATSA - Cluj:

- 180 degree 3D Tower Simulator

Why a SIMSOFT Air Traffic Management Integrated Simulator?

SIMSOFT

- Meets **EUROCONTROL recommendations** for software based simulation
- Proven reliability and **complex scenario handling** to meet the strict European regulations
- **Reduced time of** implementation
- Tailored to **customer's specific** training environment (airport, airspace, radar HMI, etc.)
- **Meeting customer budget** - running on low to high end infrastructure
- Flexible platform that allows **low cost extensions**
- Reduced international training costs with air traffic controllers
- **Low maintenance**
- Fast return on investment

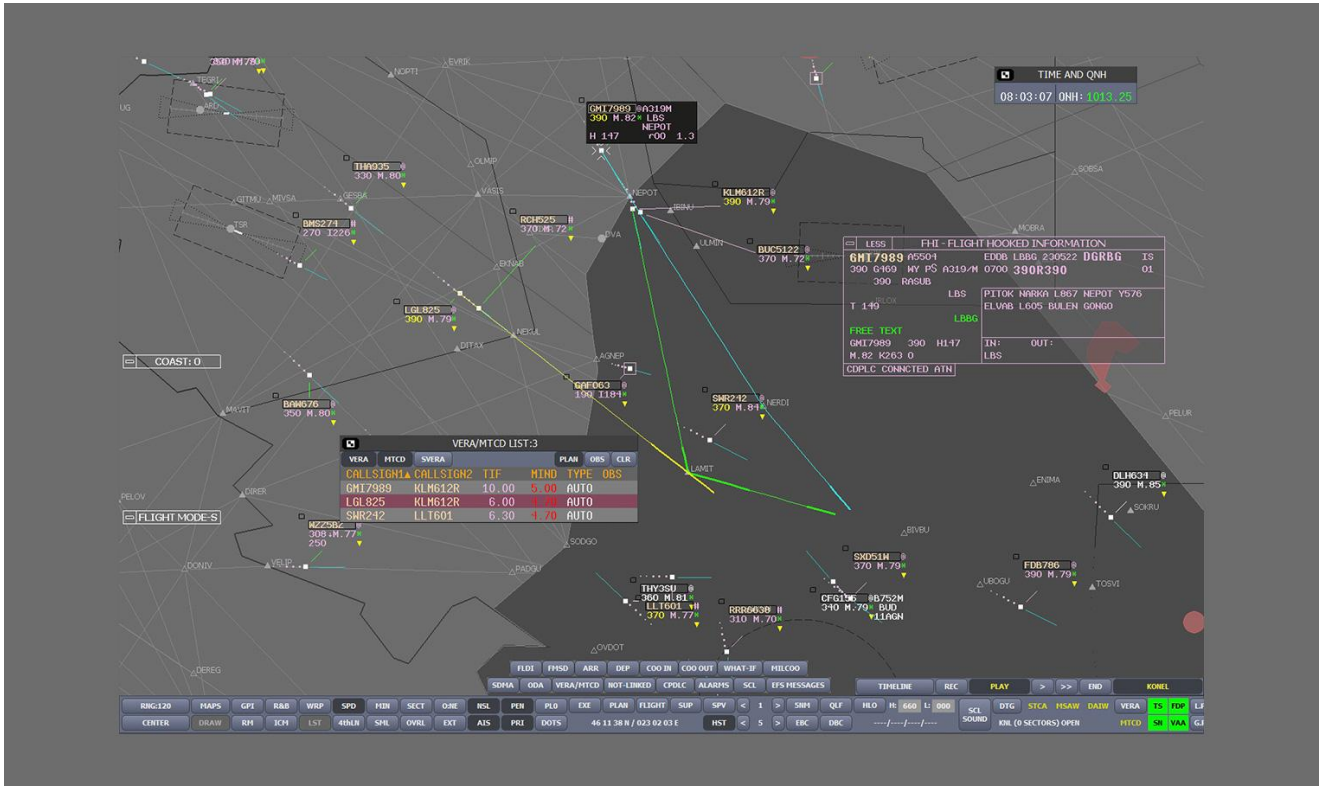

U.S. AIR FORCE

Sim Soft

ATMIS-AIO FEATURES

(A-ETSR)

Advanced En-Route & Terminal Surveillance RADAR (A-ETSR)



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ATMIS-AIO FEATURES

(VTEGS)

Virtual 3D Tower Environment Generator System (VTEGS)


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TAROM
TAROM
TAROM
RYANAIR
RYANAIR


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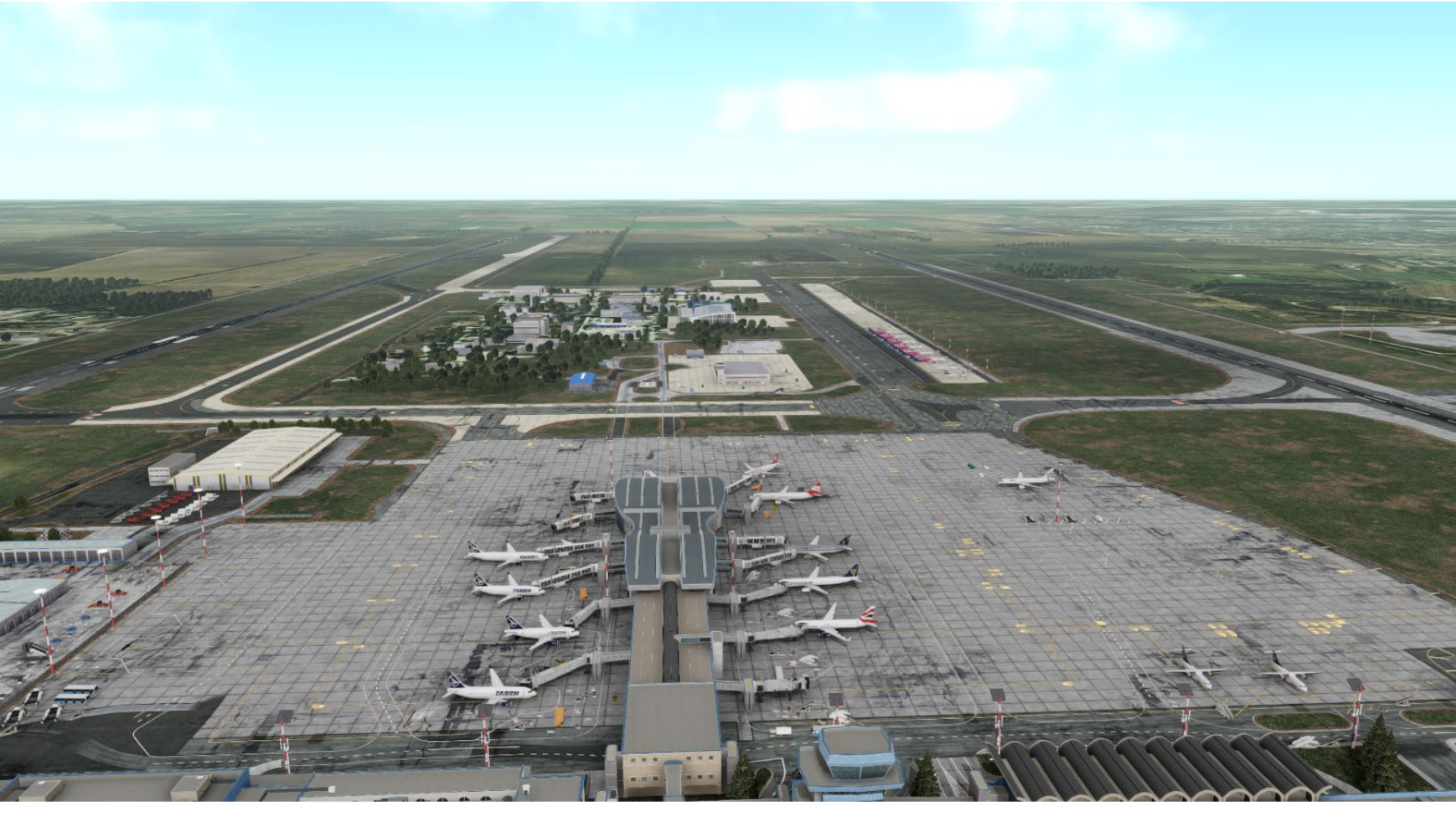
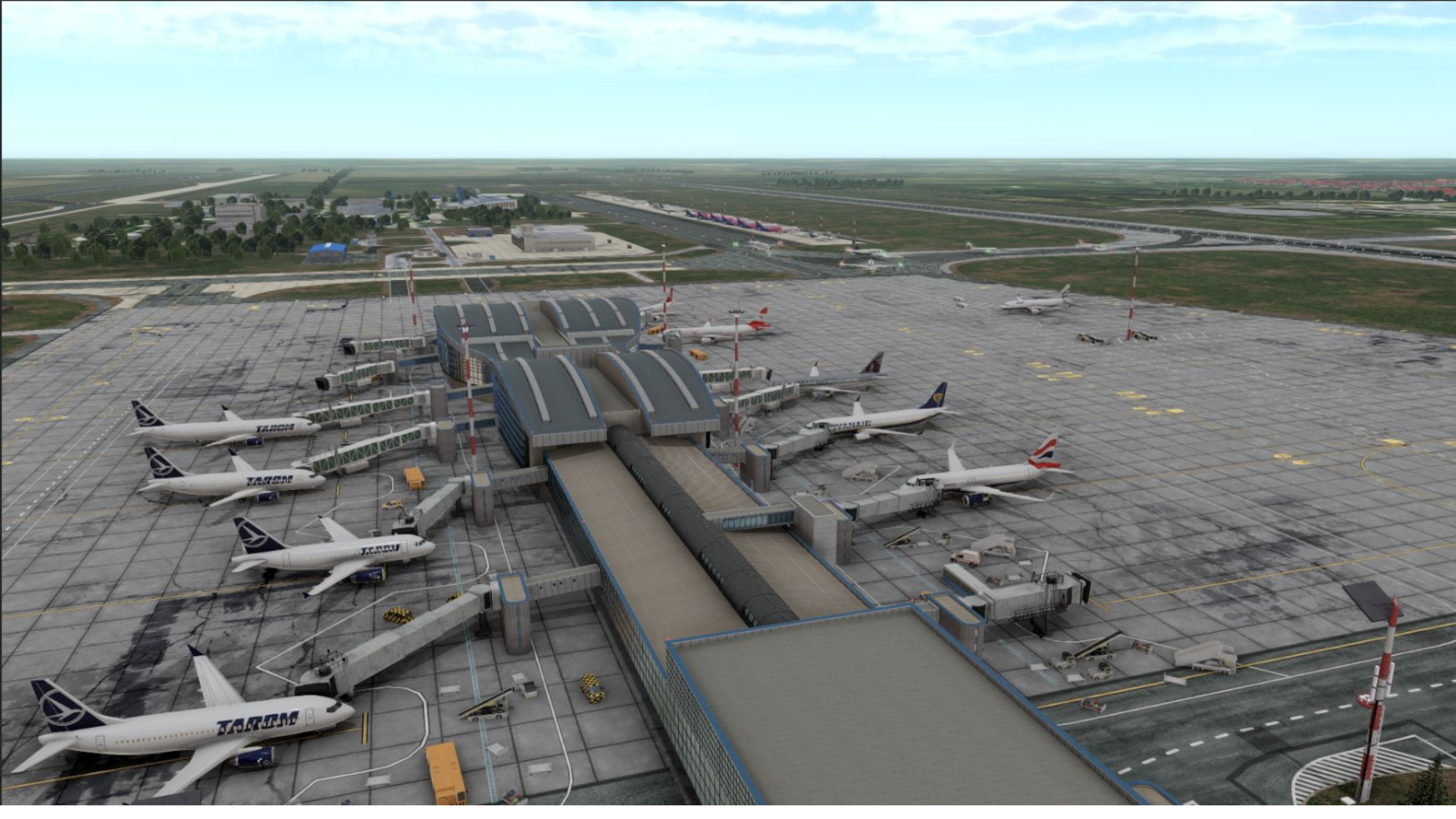
26




TAROM
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RYANAIR

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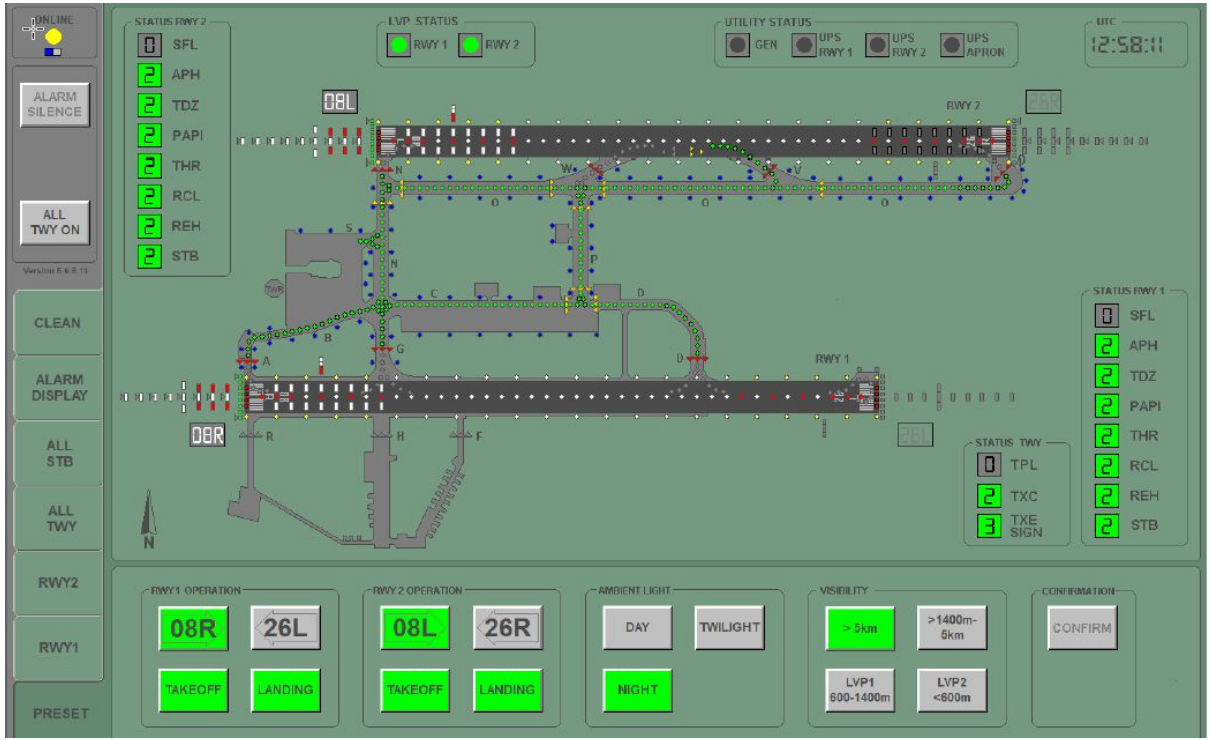
ATMIS-AIO FEATURES

(ALCMS)

Airfield Lighting Control and Monitoring System (ALCMS)



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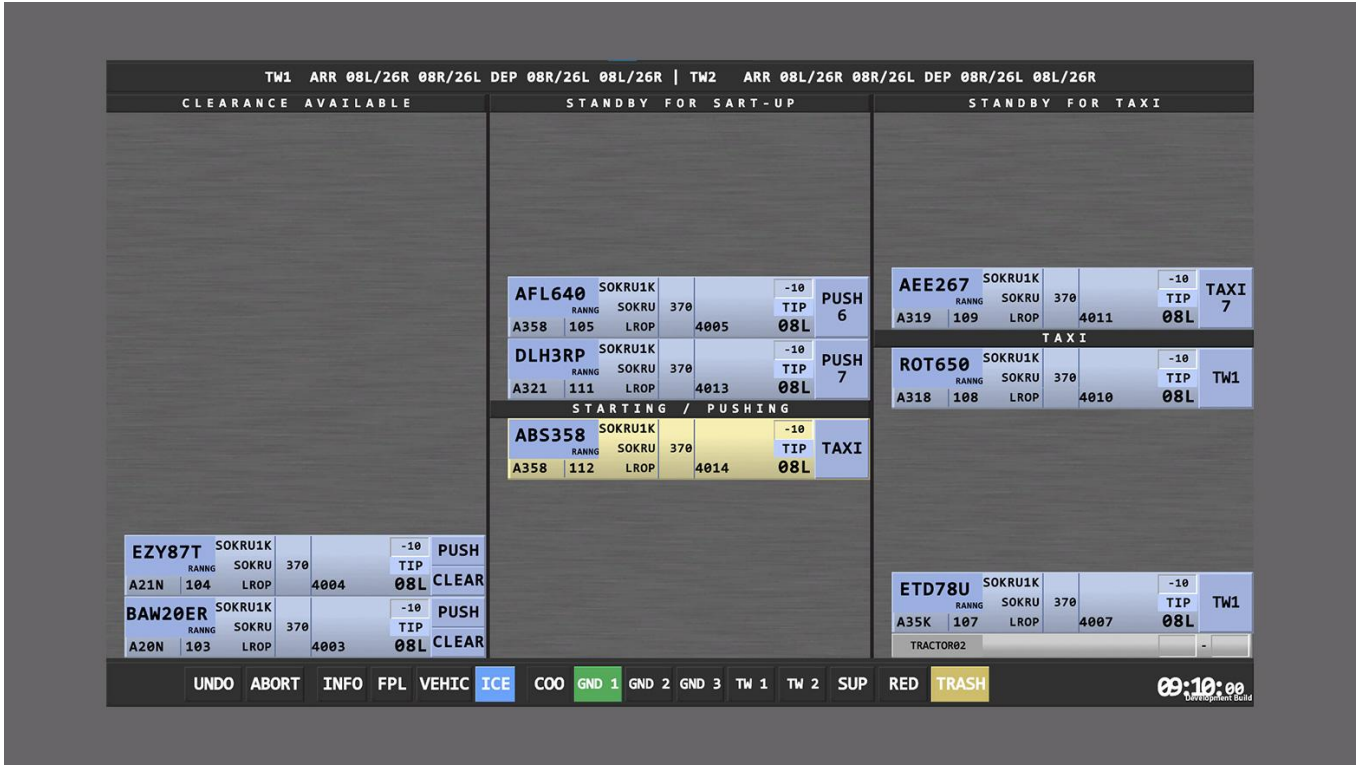
ATMIS-AIO FEATURES

(EFSS)

Electronic Flight Strips System (EFSS)



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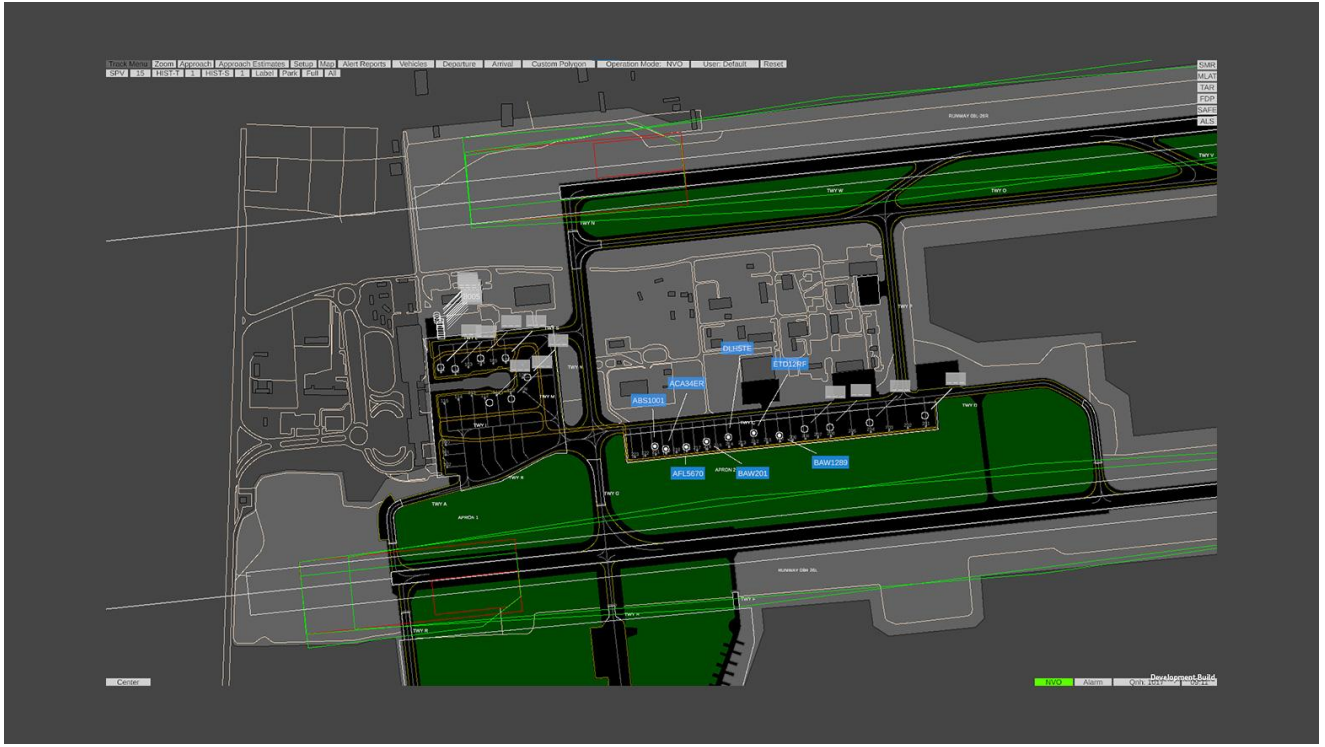
ATMIS-AIO FEATURES

(A-SMGCS)

Advanced Surface Movement Guidance and Control System (A-SMGCS)



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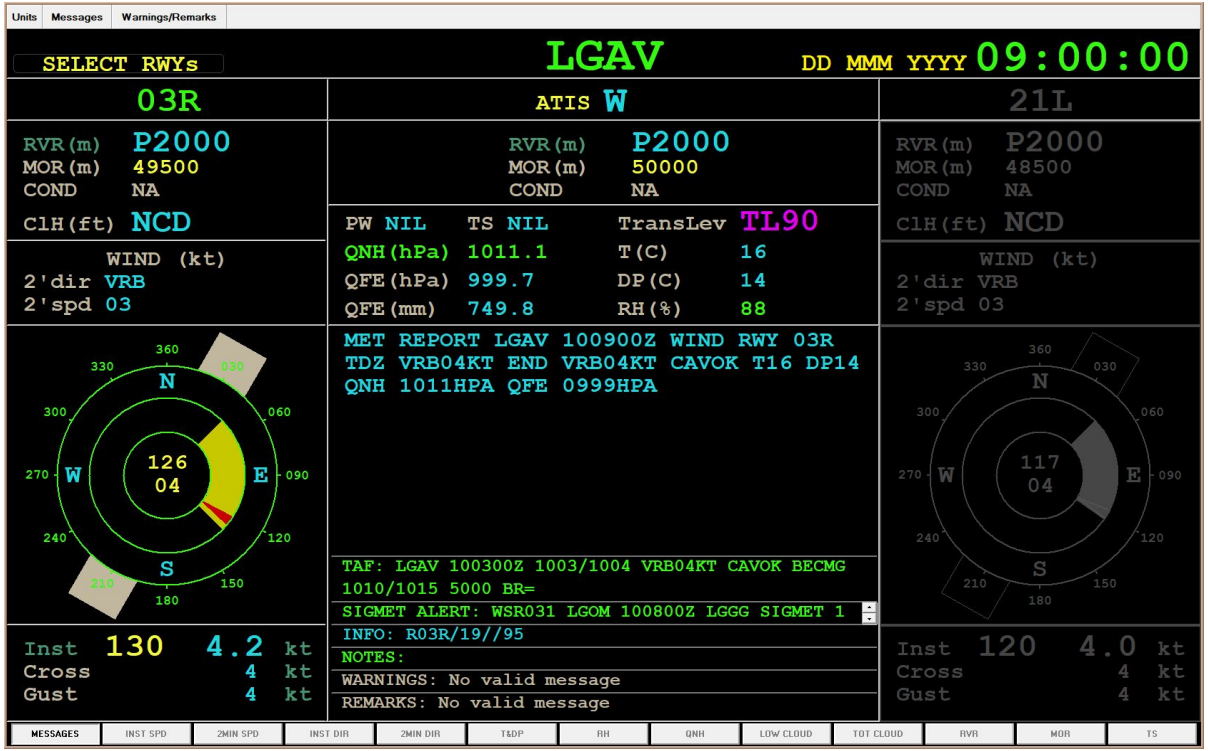
ATMIS-AIO FEATURES

(AWOS)

Automated Weather Observing System (AWOS)



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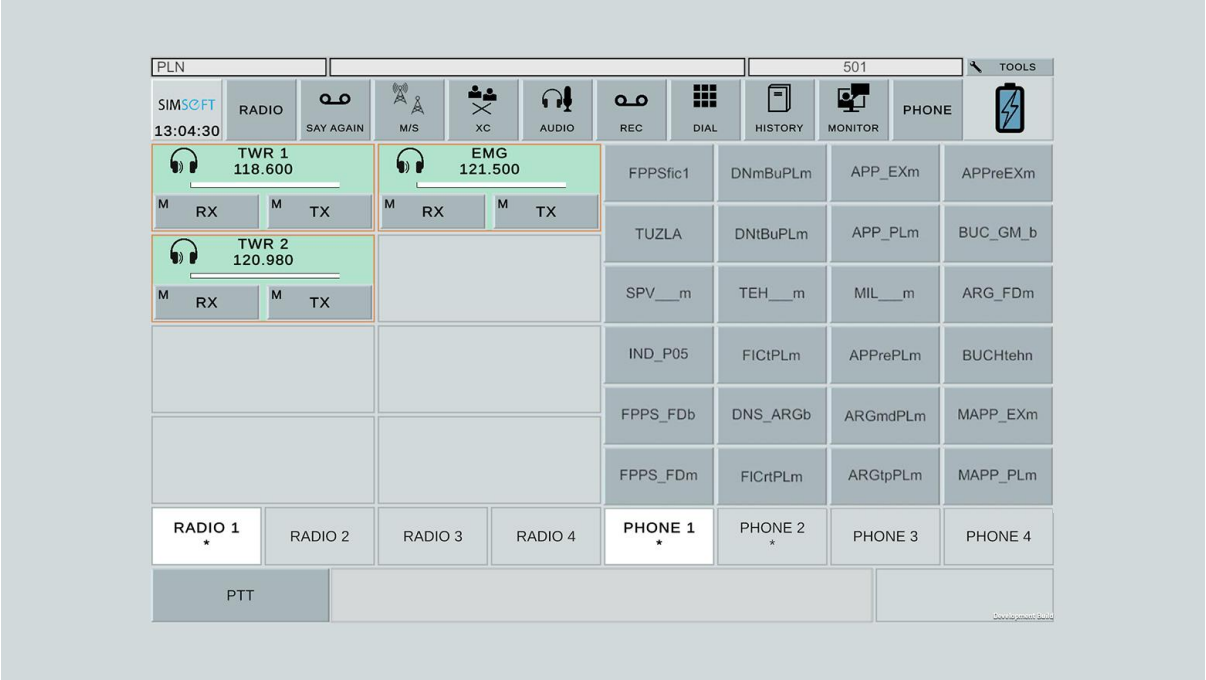
ATMIS-AIO FEATURES

(VCSS)

Voice Communication and Sound System (VCSS)



SIMSOFT

Should you require additional information or any other inquiries, please do not hesitate to contact us:

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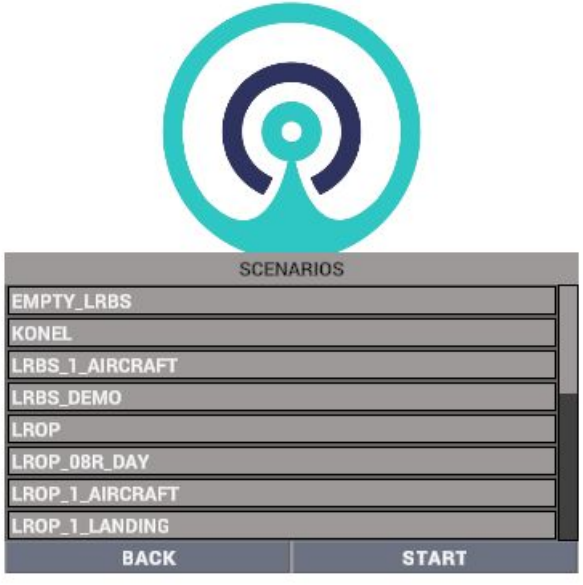
www.simsoft-atc.com

atmis-aio

AIR TRAFFIC MANAGEMENT INTEGRATED SIMULATOR

RECORD SCENARIO	PLAYBACK RECORDING


SCENARIOS
EMPTY_LRBS
KONEL
LRBS_1_AIRCRAFT
LRBS_DEMO
LROP
LROP_08R_DAY
LROP_1_AIRCRAFT
LROP_1_LANDING
BACK
START

atmis-aio

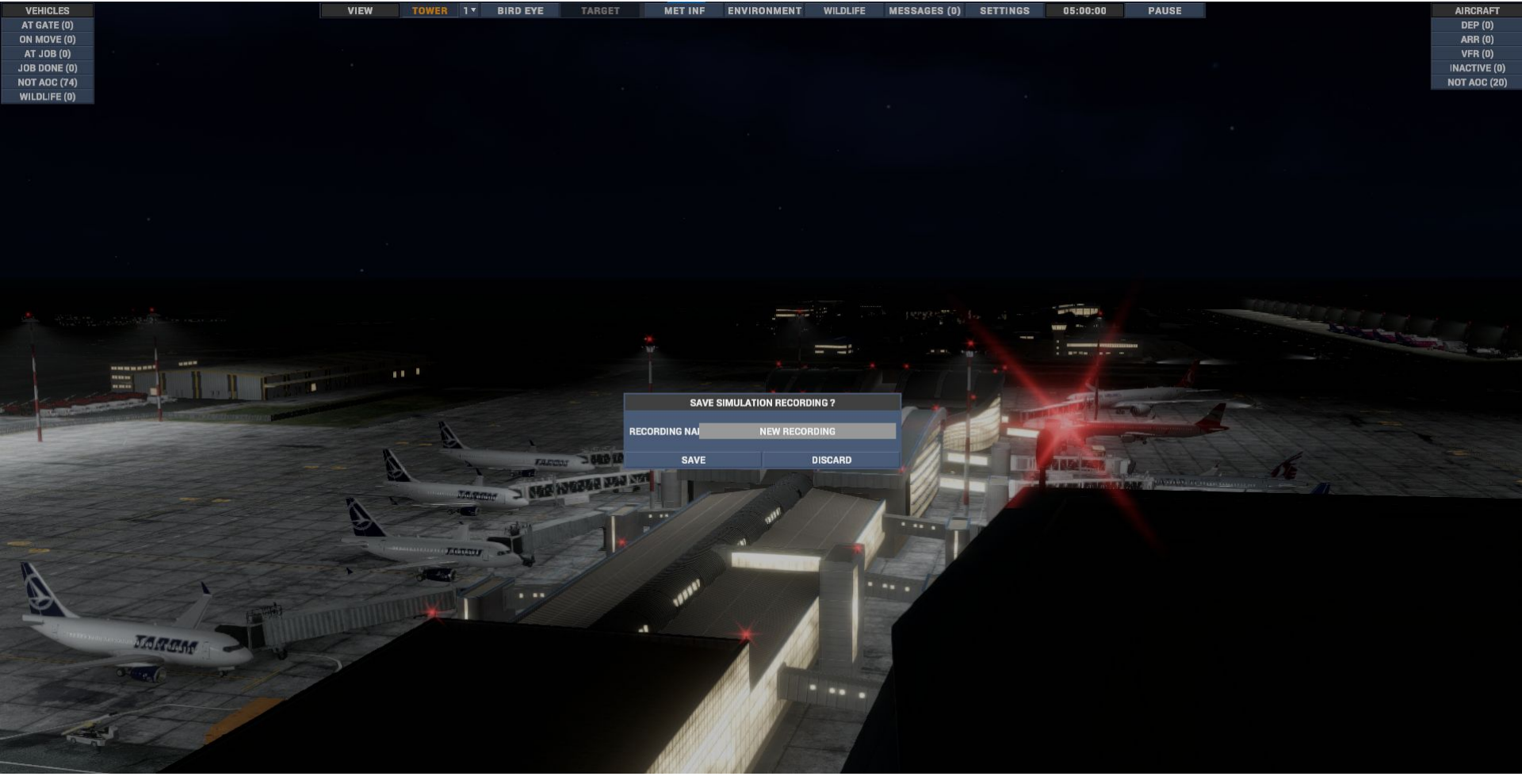
AIR TRAFFIC MANAGEMENT INTEGRATED SIMULATOR

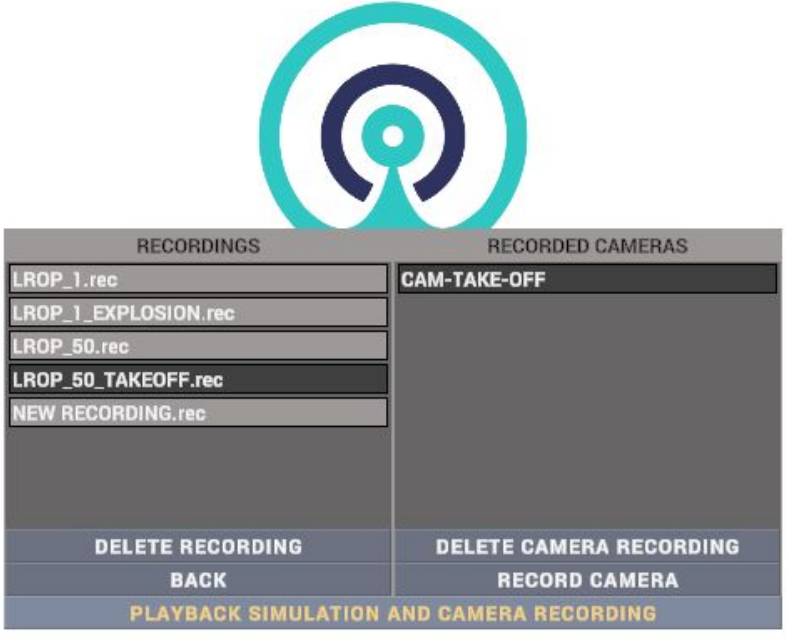
VIRTUAL 3D TOWER ENVIRONMENT GENERATOR SYSTEM (VTEGS)

SUPERVISOR WORKING POSITION

UNIT NAME:[PILOT] FREQUENCY: [121.500]

LOADING AIRPORT LRBB LROP


VEHICLES
AT GATE (0)
ON MOVE (0)
AT JOB (0)
JOB DONE (0)
NOT AOC (74)
WILDLIFE (0)
VIEW
TOWER
1
BIRD EYE
TARGET
MET INF
ENVIRONMENT
WILDLIFE
MESSAGES (0)
SETTINGS
05:00:00
PAUSE
AIRCRAFT
DEP (0)
ARR (0)
VFR (0)
INACTIVE (0)
NOT AOC (20)
SAVE SIMULATION RECORDING ?
RECORDING NAI
NEW RECORDING
SAVE
DISCARD


RECORDINGS
RECORDED CAMERAS
LROP_1.rec
LROP_1_EXPLOSION.rec
LROP_50.rec
LROP_50_TAKEOFF.rec
NEW RECORDING.rec
CAM-TAKE-OFF
DELETE RECORDING
DELETE CAMERA RECORDING
BACK
RECORD CAMERA
PLAYBACK SIMULATION AND CAMERA RECORDING