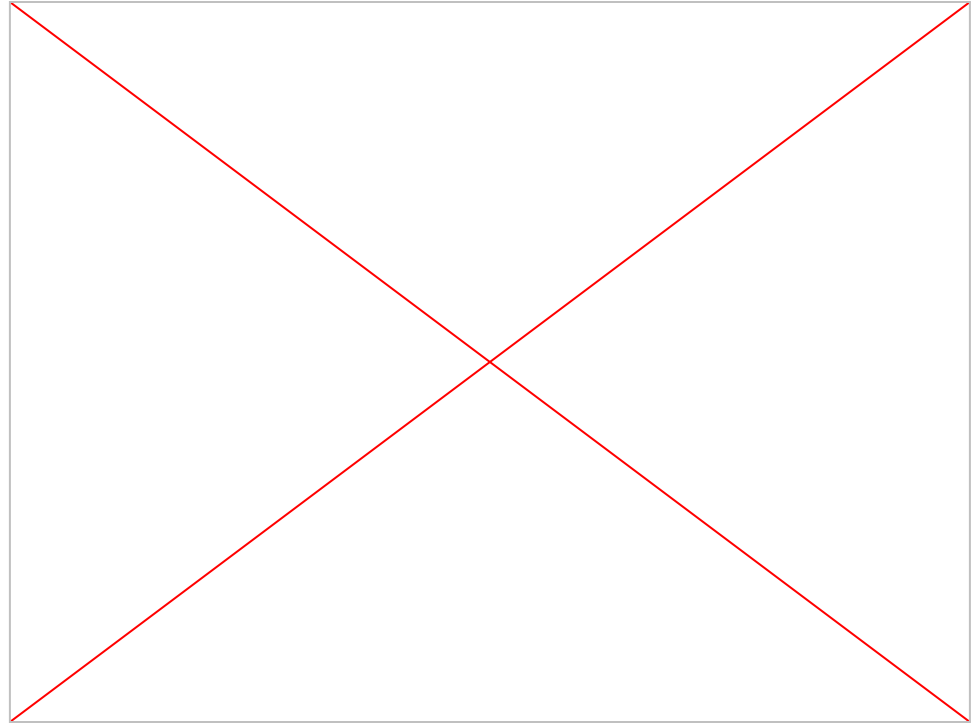




Simulators & Services **for Air Traffic Controllers & Pilots**

Company & Product Overview
2025

SIMSØFT



Our group



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

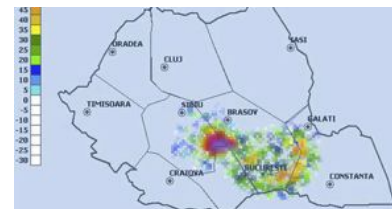
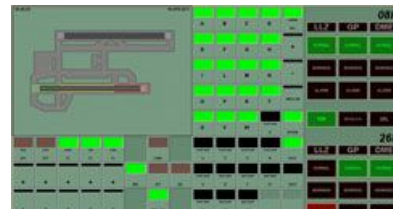
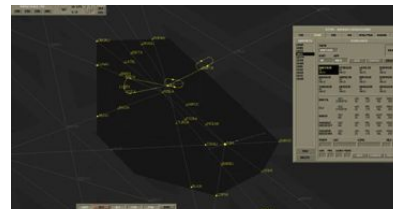
Products Overview

"Training solutions for controllers, by controllers"

SIMSOF

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.

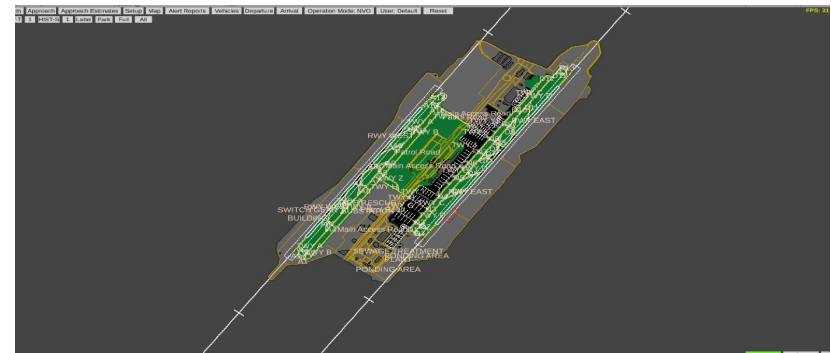
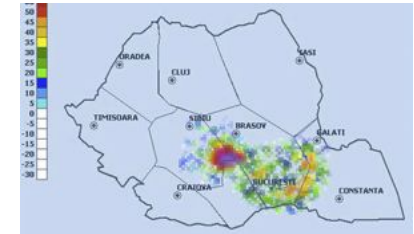
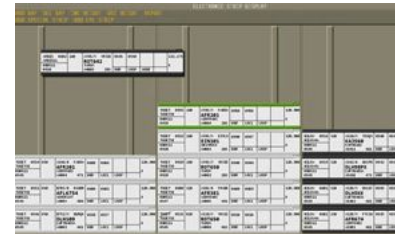
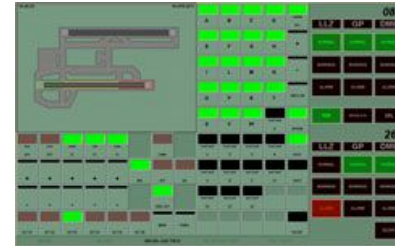


Products Components

"Training solutions for controllers, by controllers"

SIMSOF

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



Products Overview

SNOWTAM

SIMSOF

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

Overview
Condition: 6° Sunny Wind: 30Km/h Time: December 09, 2021 13:26:37

First part **Second part** **Third part**

DRY WET DRY

NOT REPORTED NOT REPORTED 10-25% NOT REPORTED NOT REPORTED NOT REPORTED

08L-26R RCC: 6 6 6 STATUS: NONE Observation time: December 09, 2021 13:26:37

First part **Second part** **Third part**

DRY DRY DRY

NOT REPORTED NOT REPORTED NOT REPORTED NOT REPORTED NOT REPORTED NOT REPORTED

Map

Weather
Bucharest Airport OTP
0° Sunny H: 6° L: 0°
Temp / Dew Point
Wind 30Km/h

Arrivals / Departures

Arrivals

ARRID	FROM	EDBT	TTL	ETA	TYPE	REG
CND044	LRSB	0519	0922	1447	B380	9H979
WZZ638	LROP	1303	0953	0337	A320	YRA766
WZZ913	LGAV	0508	0607	0504	B380	TT517
WZZ720	LROP	2226	0921	0051	A320	YRA198
CND877	LRLC	0348	2232	0501	B377	XR62
CND075	LGAV	0704	0444	0520	B377	YRA377
WZZ108	LRSB	0316	0748	1302	ATR3	9H146

Departures

ARRID	DEST	EDBT	ETD	ETA	TYPE	REG
ROT798	LGAV	1151	1516	0735	ATR3	9H40
CND227	LROP	1232	0656	1947	A320	9H808
ROT998	LRLC	0435	1634	0213	A320	9H424
CND254	LGAV	2250	0058	0406	A320	9H399

Runways
Condition: Rainy Wind: 20Km/h Time: December 23, 2021 18:14:18

First part **Second part** **Third part**

DRY WET DRY

NOT REPORTED NOT REPORTED 10-25% NOT REPORTED NOT REPORTED NOT REPORTED

Settings

ARRID: 08L-26R

Condition: Rainy Wind: 20Km/h Time: December 23, 2021 18:14:18

First part **Second part** **Third part**

DRY WET DRY

NOT REPORTED NOT REPORTED 10-25% NOT REPORTED NOT REPORTED NOT REPORTED

Settings

ARRID: 08L-26R

Condition: Rainy Wind: 20Km/h Time: December 23, 2021 18:14:18

First part **Second part** **Third part**

DRY WET DRY

NOT REPORTED NOT REPORTED 10-25% NOT REPORTED NOT REPORTED NOT REPORTED

Settings
Condition: Rainy Wind: 20Km/h Time: December 23, 2021 18:33:00

First part **Second part** **Third part**

DRY WET DRY

NOT REPORTED NOT REPORTED 10-25% NOT REPORTED NOT REPORTED NOT REPORTED

Settings

ARRID: 08L-26R

Condition: Rainy Wind: 20Km/h Time: December 23, 2021 18:33:00

First part **Second part** **Third part**

DRY WET DRY

NOT REPORTED NOT REPORTED 10-25% NOT REPORTED NOT REPORTED NOT REPORTED

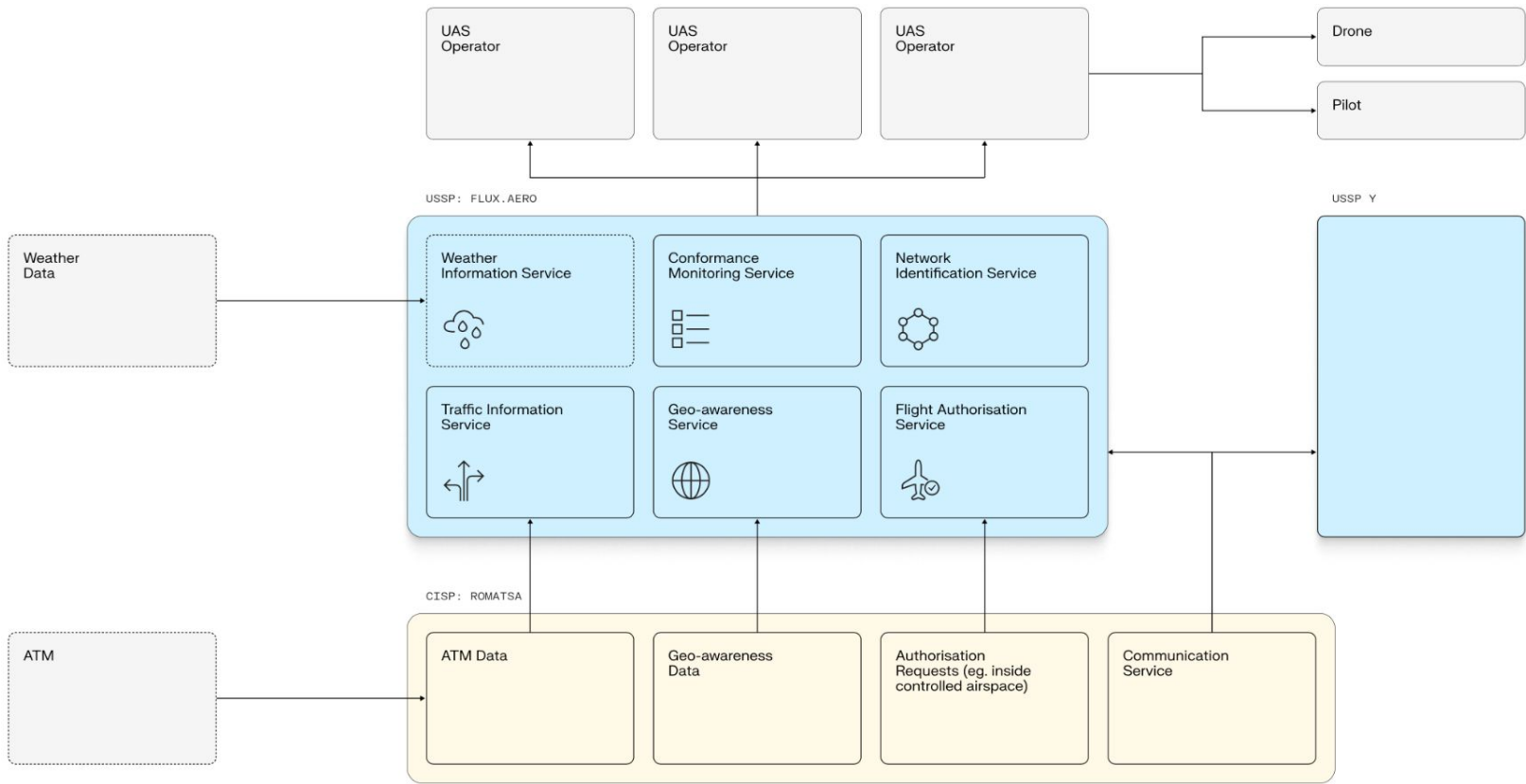
The U-Space ready
USSP Platform

FLUX.aero™
by Sim Soft

FLUXTM

DATA EXCHANGE ARCHITECTURE

FLUX.aero™
by Sim Soft



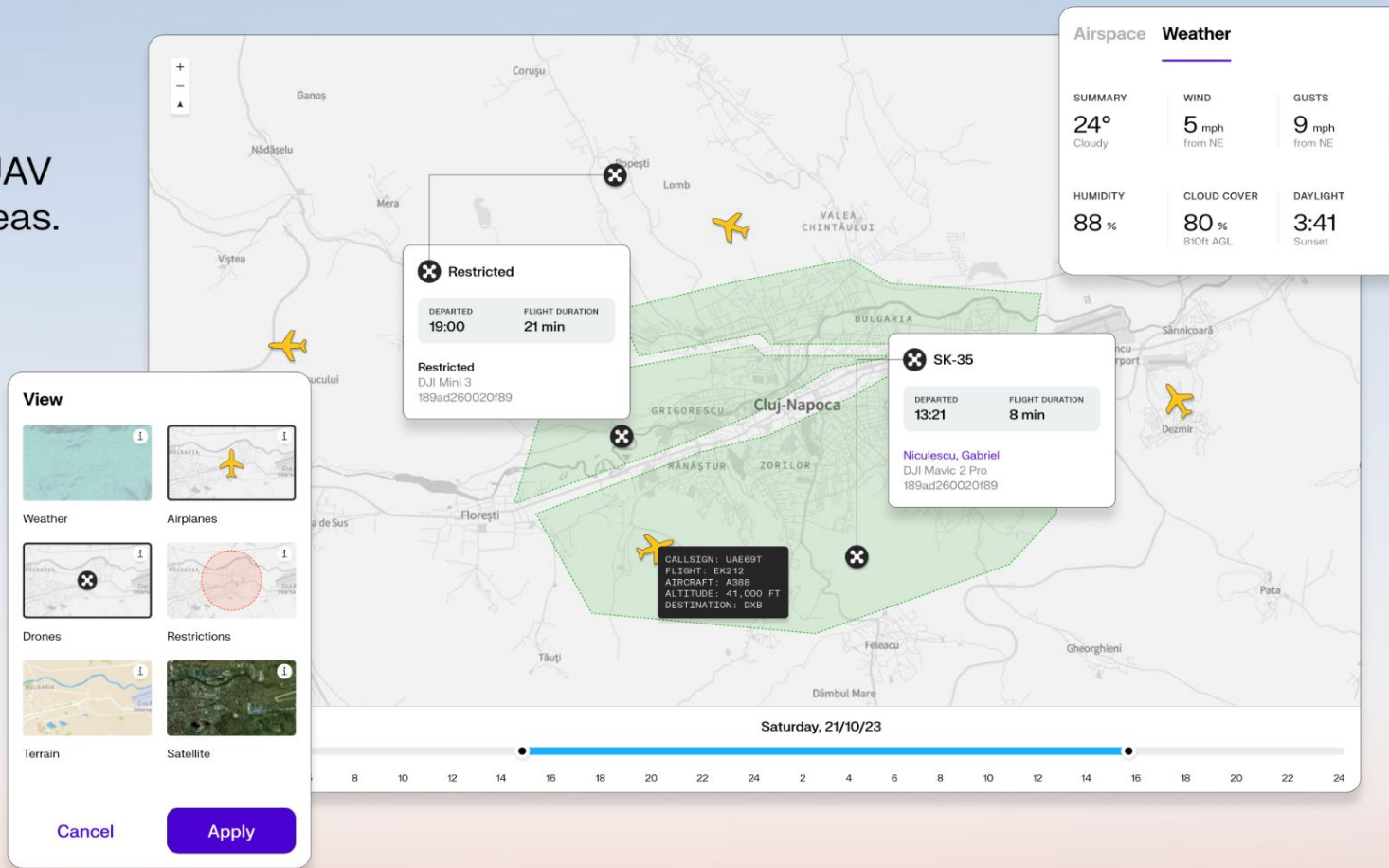
TRAFFIC INFORMATION SERVICE

FLUX.aero™
by Sim Soft

Integrated real time UAV
monitoring of pilot areas.

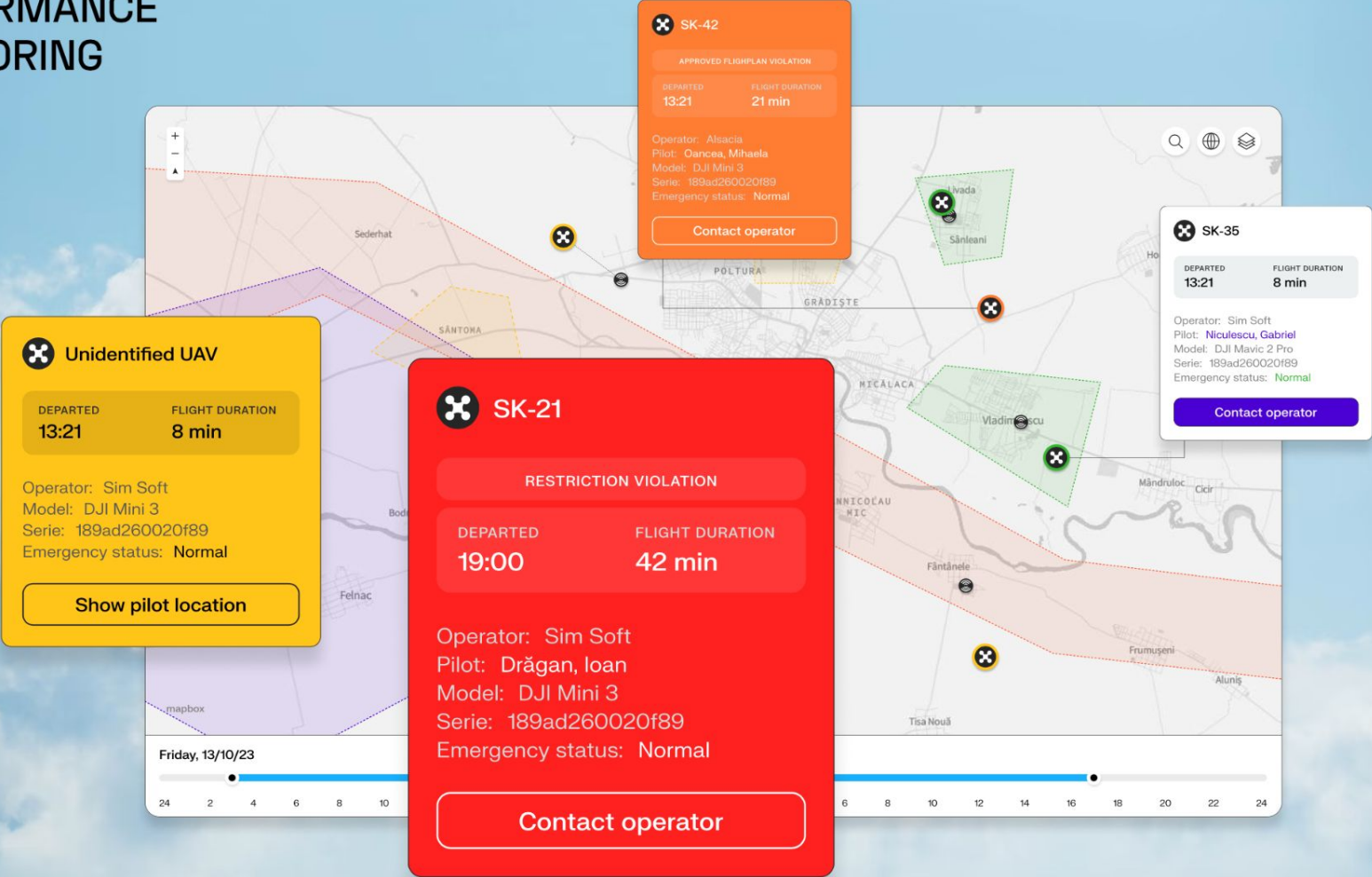
Traffic Info Sources:

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



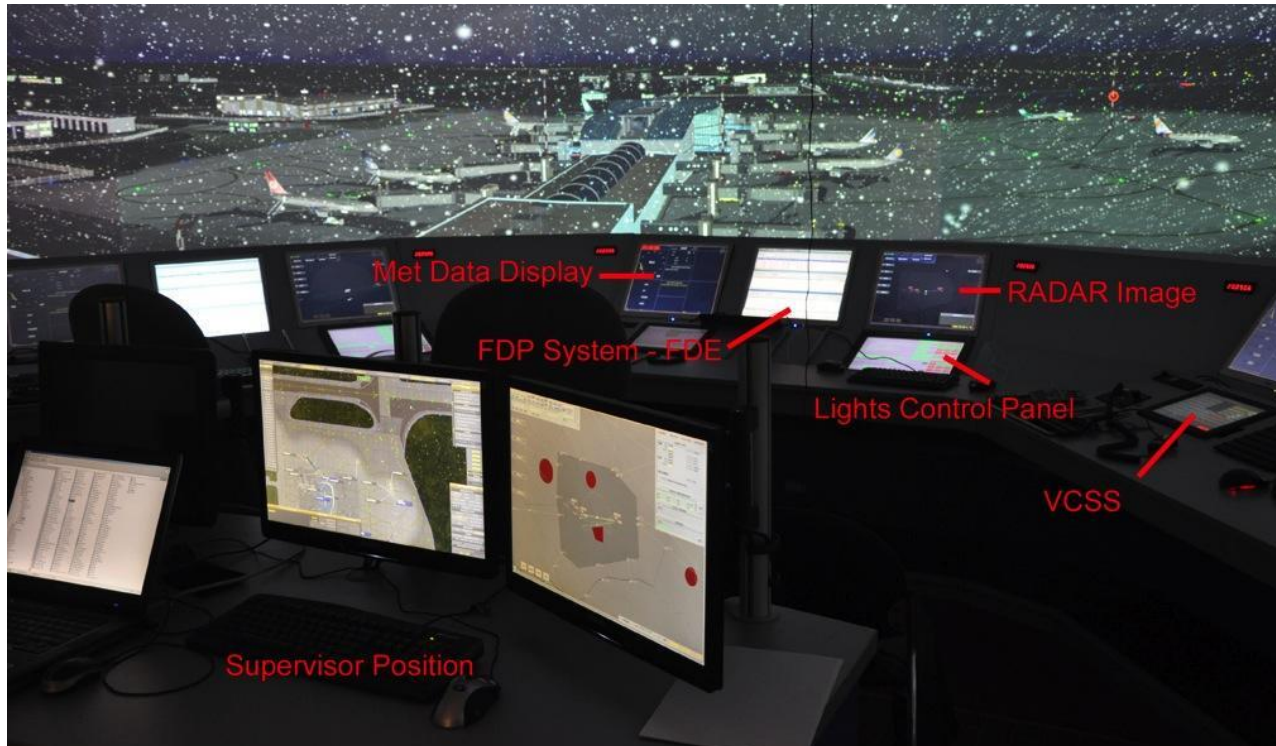
CONFORMANCE MONITORING

FLUX.aero™
by Sim Soft



Success Story – ROMATSA Bucharest, “Henry Coandă” Airport

SIMSOFT



Case Study – ROMATSA Bucharest, “Henry Coandă” Airport

SIMSOFT

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

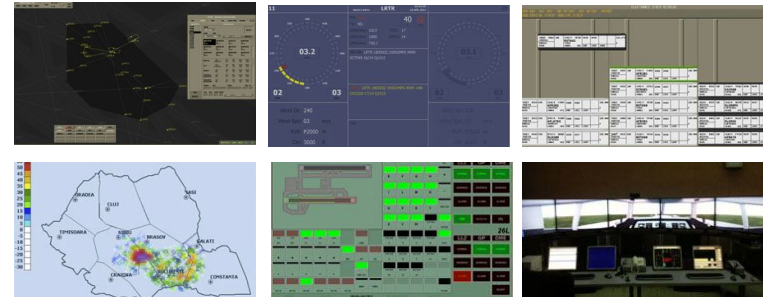
SIMSOFT

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

SIMSOF

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

SIMSOF

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

SIMSOF

Școala 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?

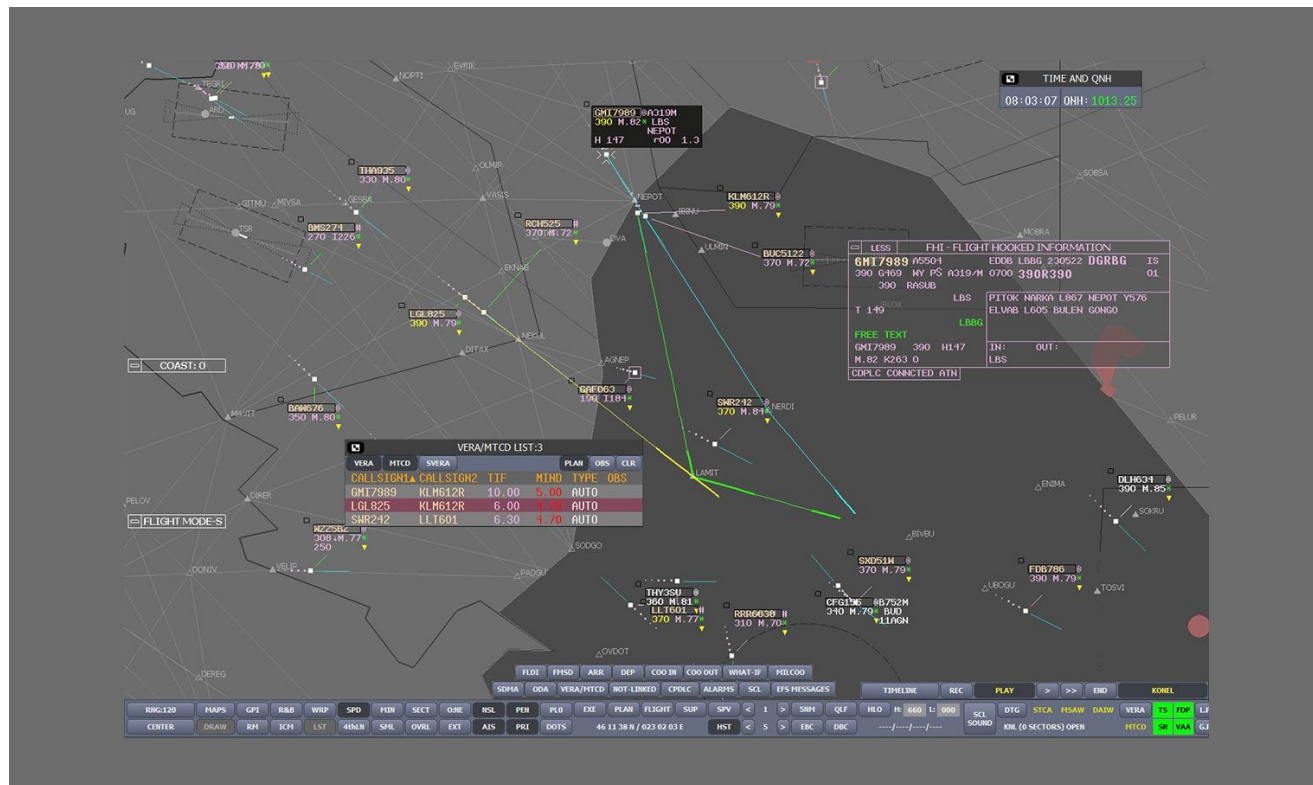


- Meets **EUROCONTROL recommendations** for software based simulation
- Proven reliability and **complex scenario handling** to meet the strict European regulations
- **Reduced time of** implementation
- Tailored to **customer's specific** training environment (airport, airspace, radar HMI, etc.)
- **Meeting 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



ATMIS-AIO FEATURES (A-ETSR)

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



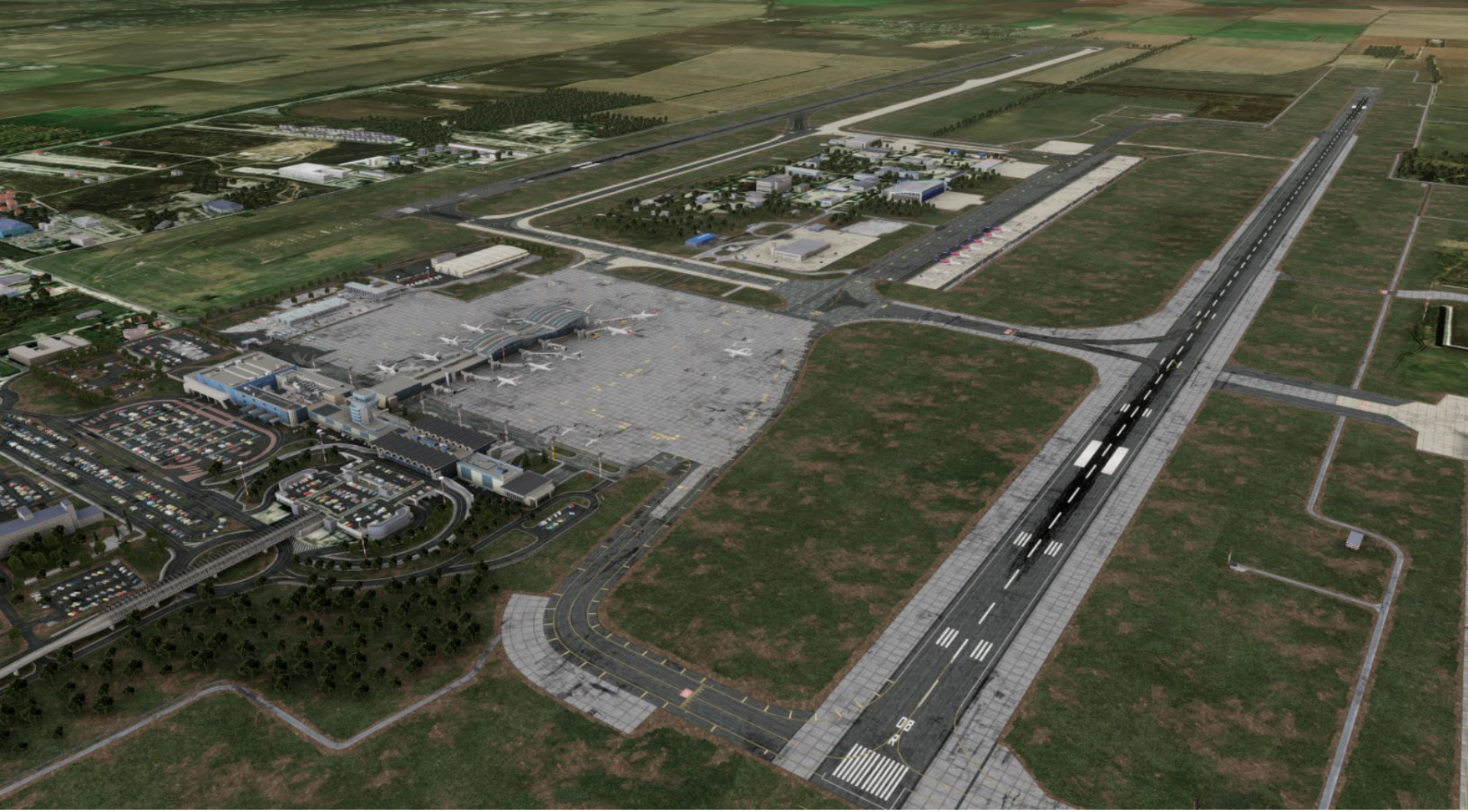


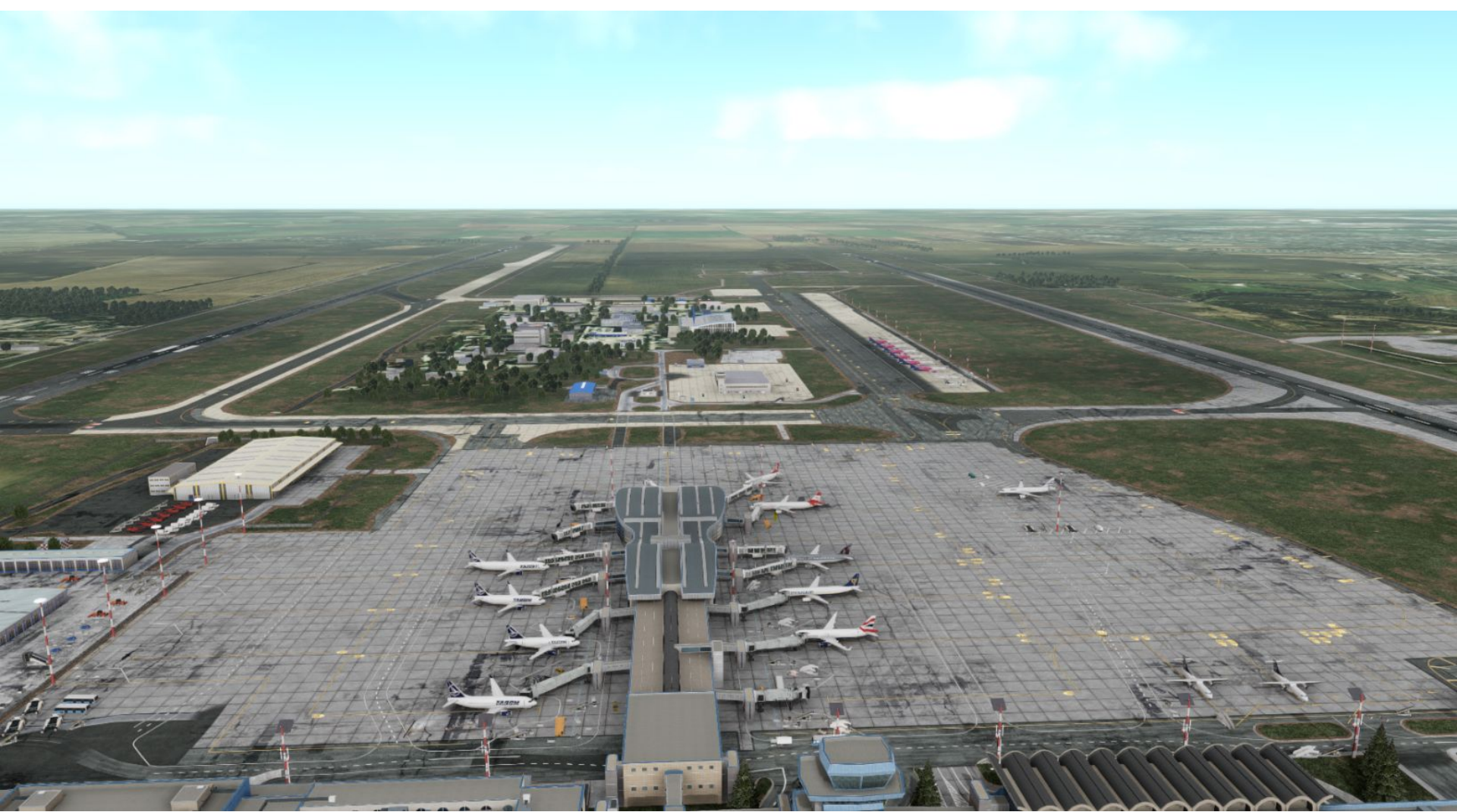
ATMIS-AIO FEATURES (VTEGS)

Virtual 3D Tower Environment Generator System (VTEGS)

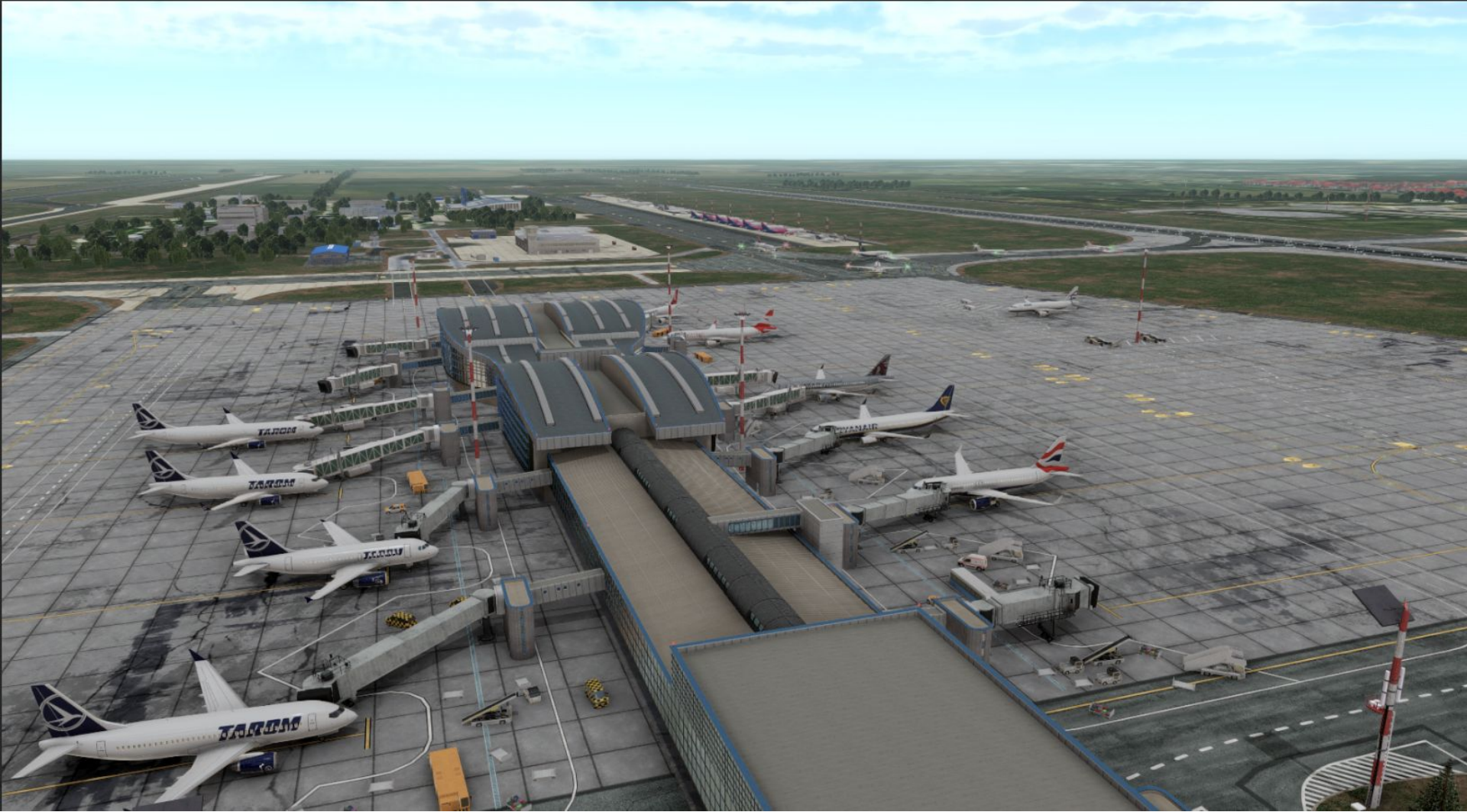












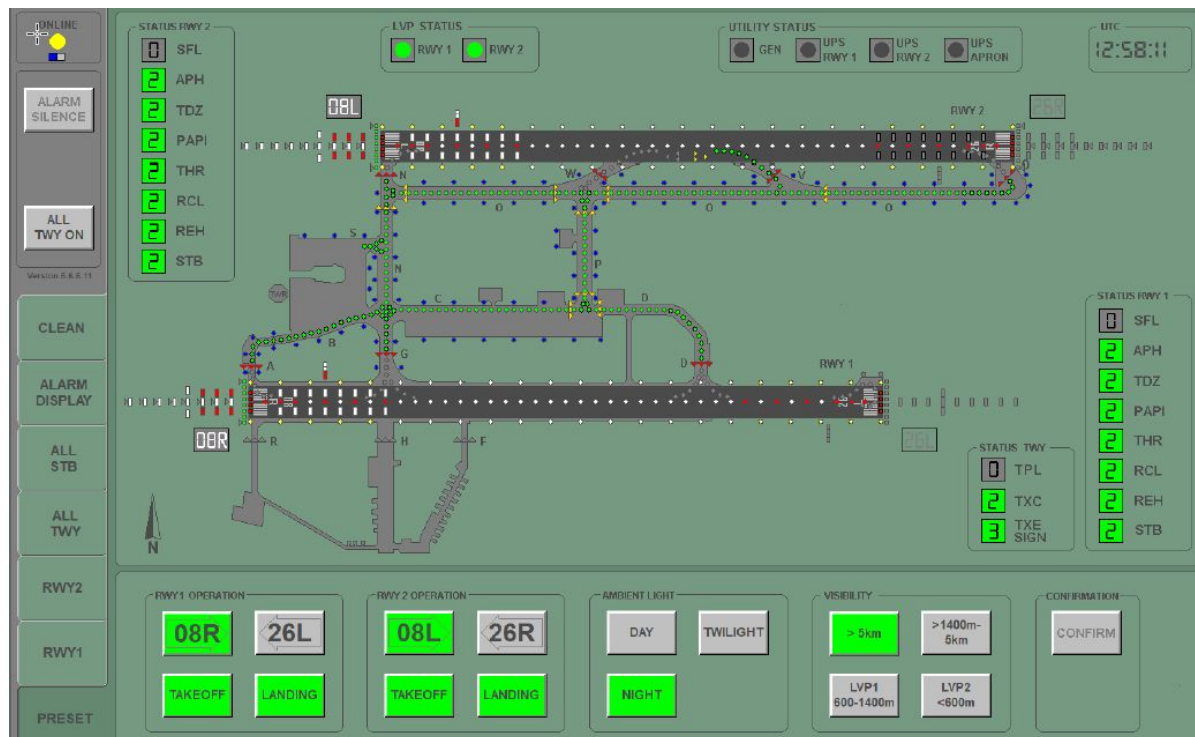






ATMIS-AIO FEATURES (ALCMS)

Airfield Lighting Control and Monitoring System (ALCMS)



ATMIS-AIO FEATURES

(EFSS)

Electronic Flight Strips System (EFSS)

TW1ARR 08L/26R08R/26LDEP 08R/26L08L/26R | TW2ARR 08L/26R08R/26LDEP 08R/26L08L/26R

CLEARANCE AVAILABLE

STANDBY FOR SART-UP

STANDBY FOR TAXI

AFL640SOKRU1K

RANKING SOKRU 370

A358105LROP4005

-10TIP08L

PUSH 6

DLH3RP SOKRU1K

RANKING SOKRU 370

A321111LROP4013

-10TIP08L

PUSH 7

STARTING / PUSHING

ABS358SOKRU1K

RANKING SOKRU 370

A358112LROP4014

-10TIP08L

TAXI

EZY87TSOKRU1K

RANKING SOKRU 370

A21N104LROP4004

-10TIP08L

PUSH CLEAR

BAW20ERSOKRU1K

RANKING SOKRU 370

A20N103LROP4003

-10TIP08L

PUSH CLEAR

AEE267SOKRU1K

RANKING SOKRU 370

A319109LROP4011

-10TIP08L

TAXI 7

ROT650SOKRU1K

RANKING SOKRU 370

A318108LROP4010

-10TIP08L

TW1

ETD78USOKRU1K

RANKING SOKRU 370

A35K107LROP4007

-10TIP08L

TW1

TRACTOR02

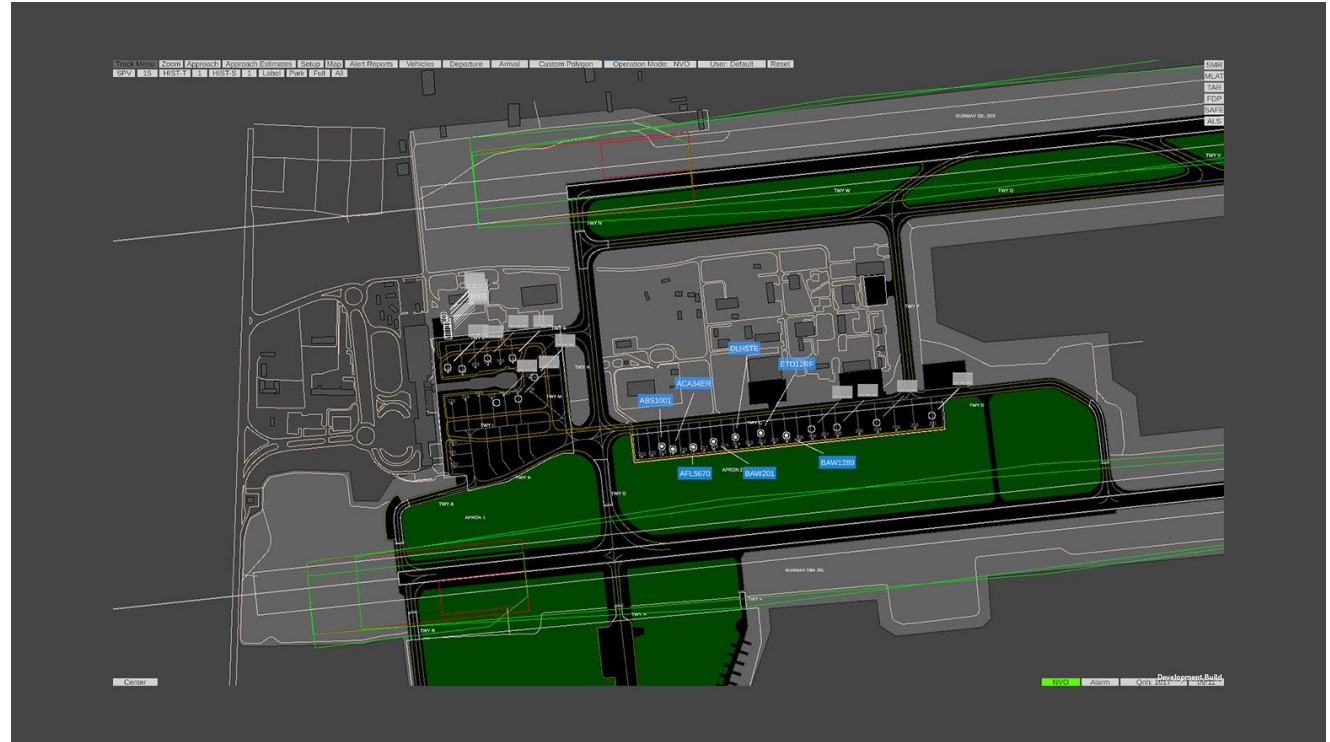
-

UNDOABORTINFOFPLVEHICICECOOGND 1GND 2GND 3TW 1TW 2SUPREDTRASH

09:10:00

ATMIS-AIO FEATURES (A-SMGCS)

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

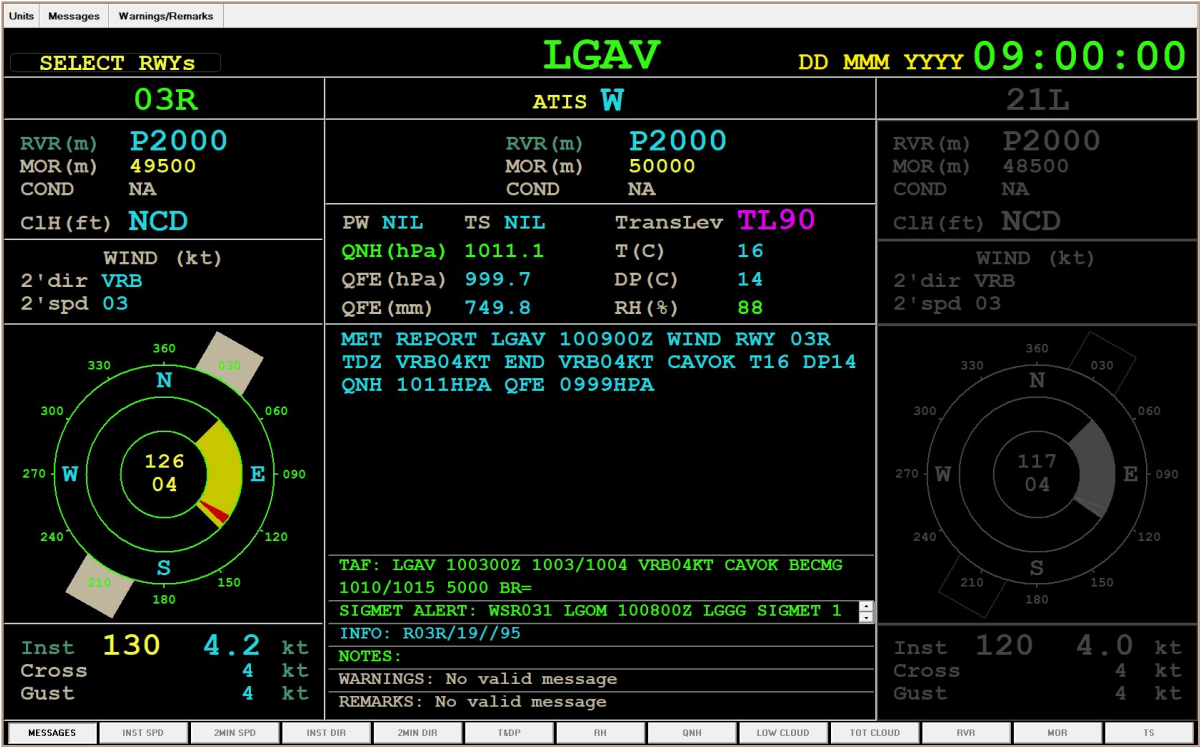


ATMIS-AIO

FEATURES

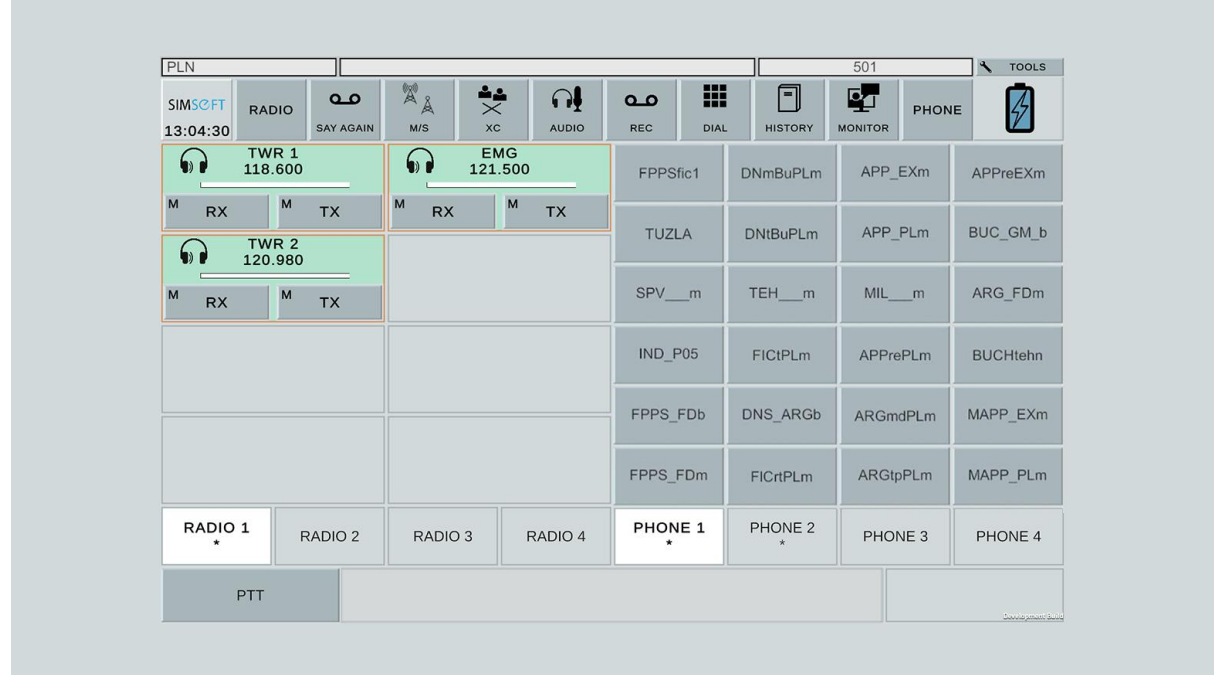
(AWOS)

Automated Weather Observing System (AWOS)



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:

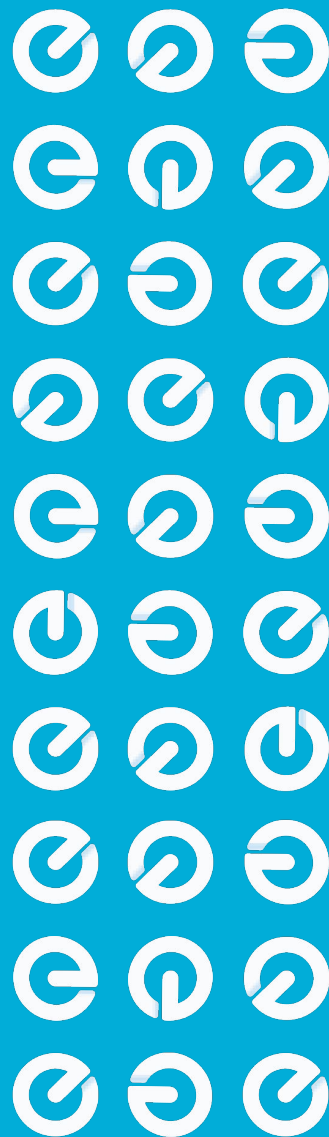
- **office@sim-soft.biz**

Ariesului 56, Cluj-Napoca, România

+40 740 218 655

+234 909 999 5237

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

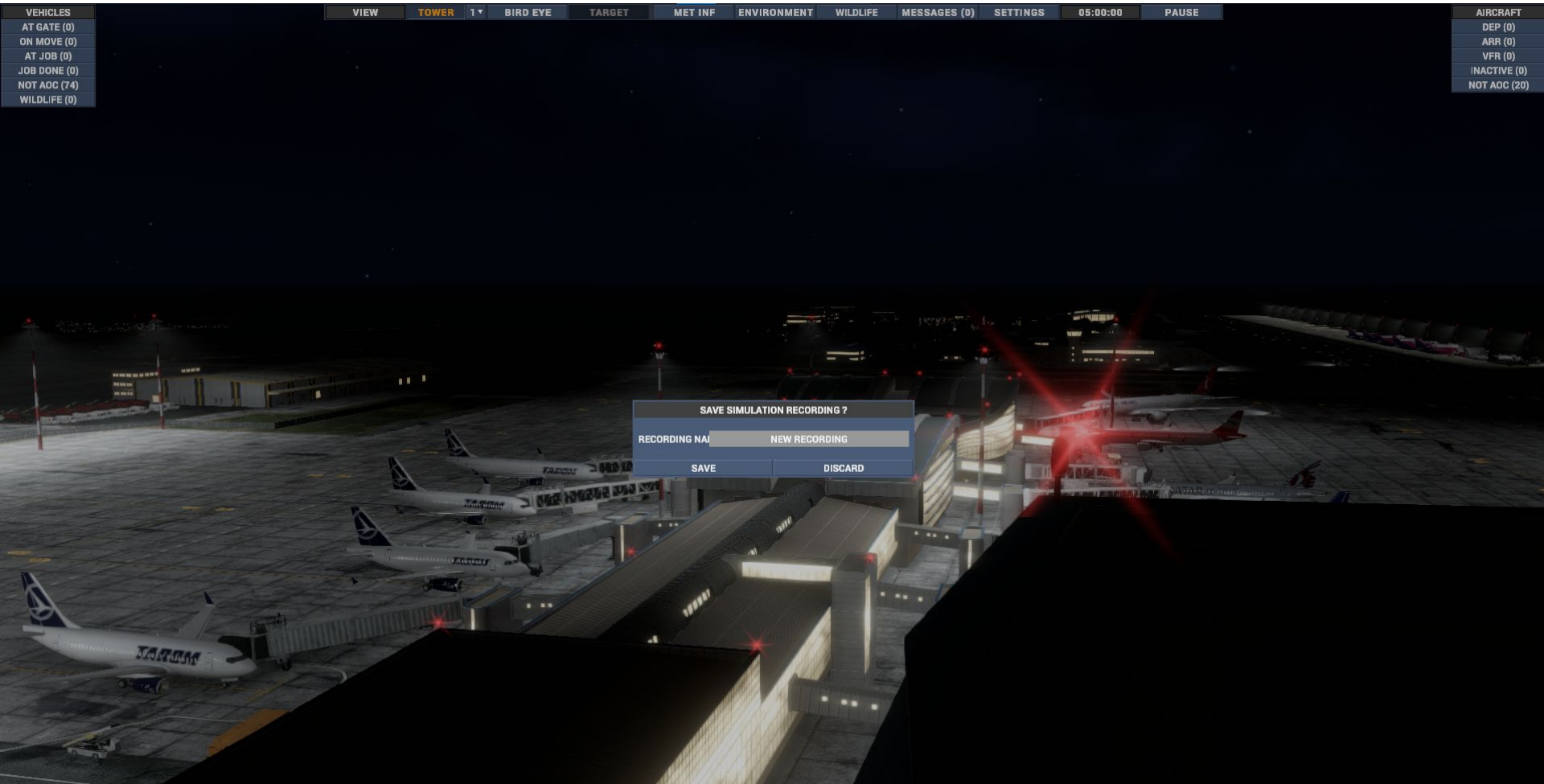
AIR TRAFFIC MANAGEMENT INTEGRATED SIMULATOR

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)



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

