

IXO SYSTEM

Advanced tool for
manned/unmanned aviation

IXO System profile

Layout

Authority toolset

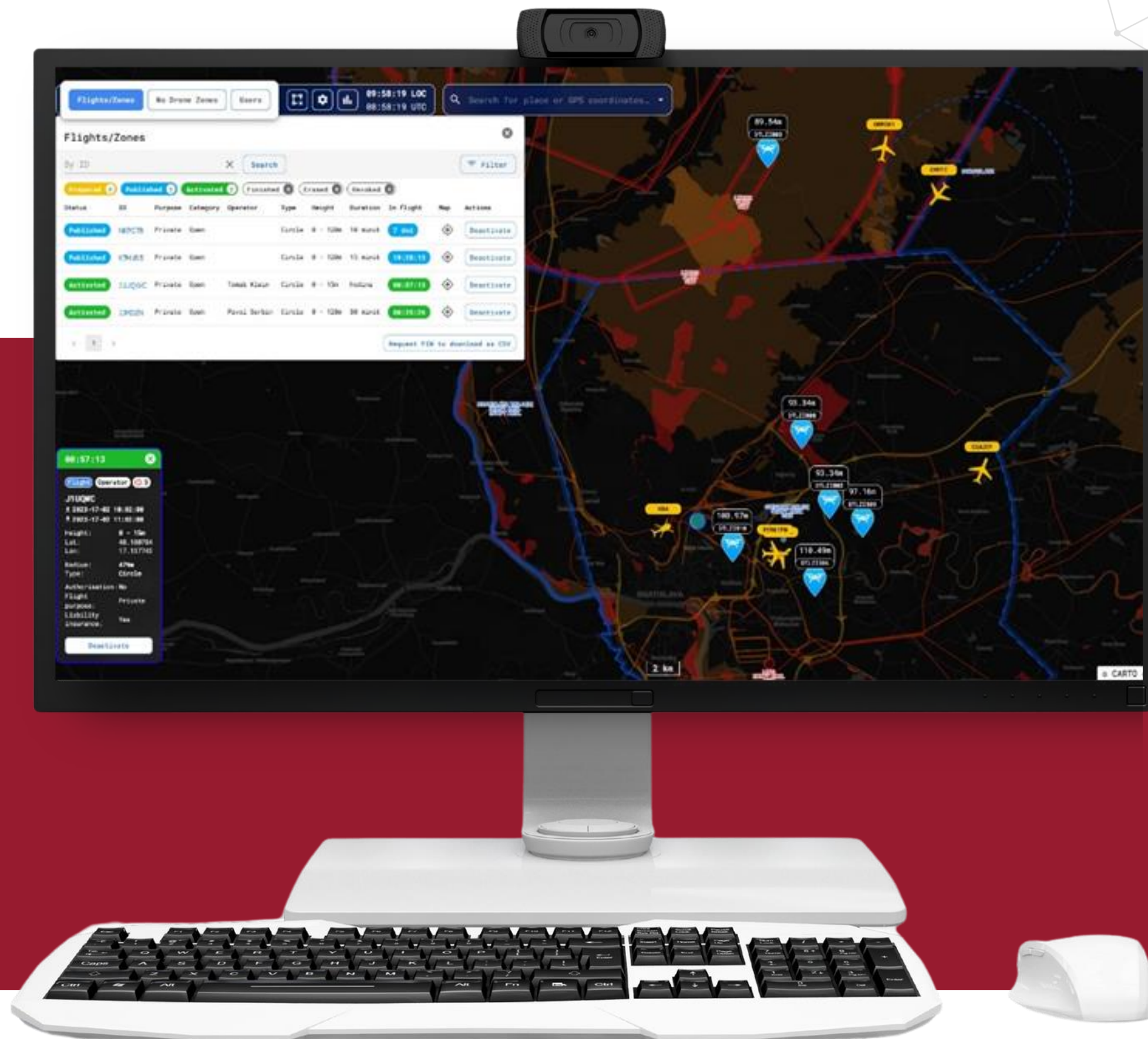
ANSP toolset

ATC/ATM/UTM system interaction

System features and tools

Fly preparation, data flow, mobile apps

IXOmil



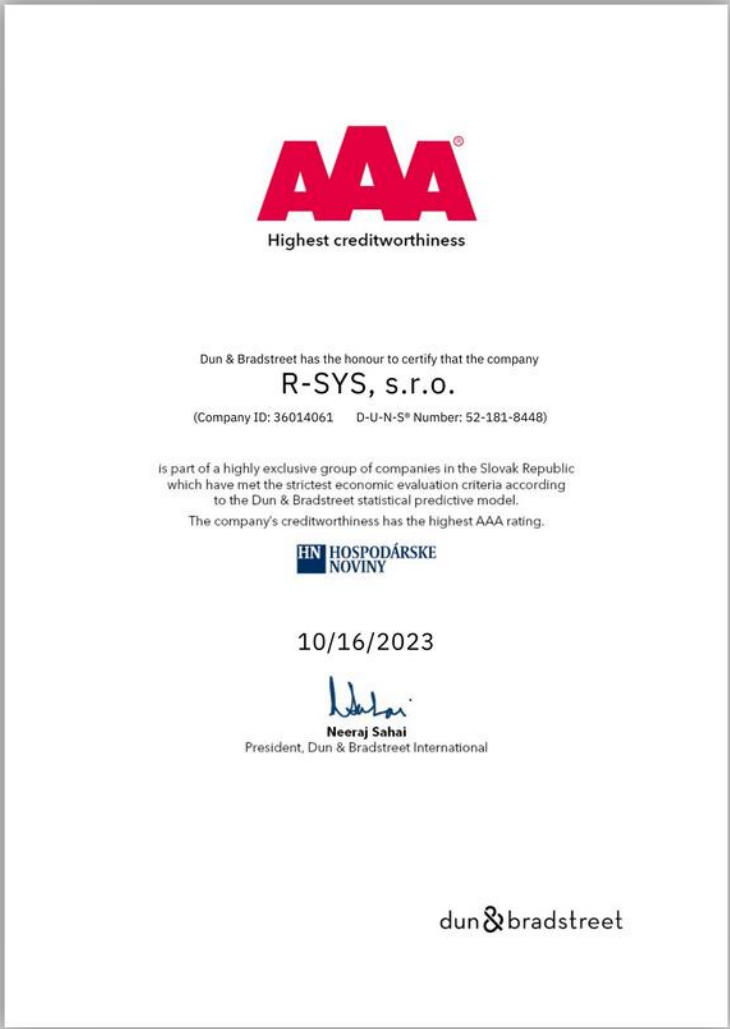
IXO SYSTEM | PROFILE

Hungarocontrol – OPS from 02/2018(pilot BRIEFING/UTM)
Albcontrol – OpS from 06/2019 (PILOT BRIEFING)
Pansa – OPS from 07/2019 (PILOT BRIEFING)
LPS SR – from 2016 (PILOT BRIEFING/INTEGMON,NOF)
LVNL – OPS from 11/2020 (pilot BRIEFING/ARO/CFSP API)


60+


4


SVK

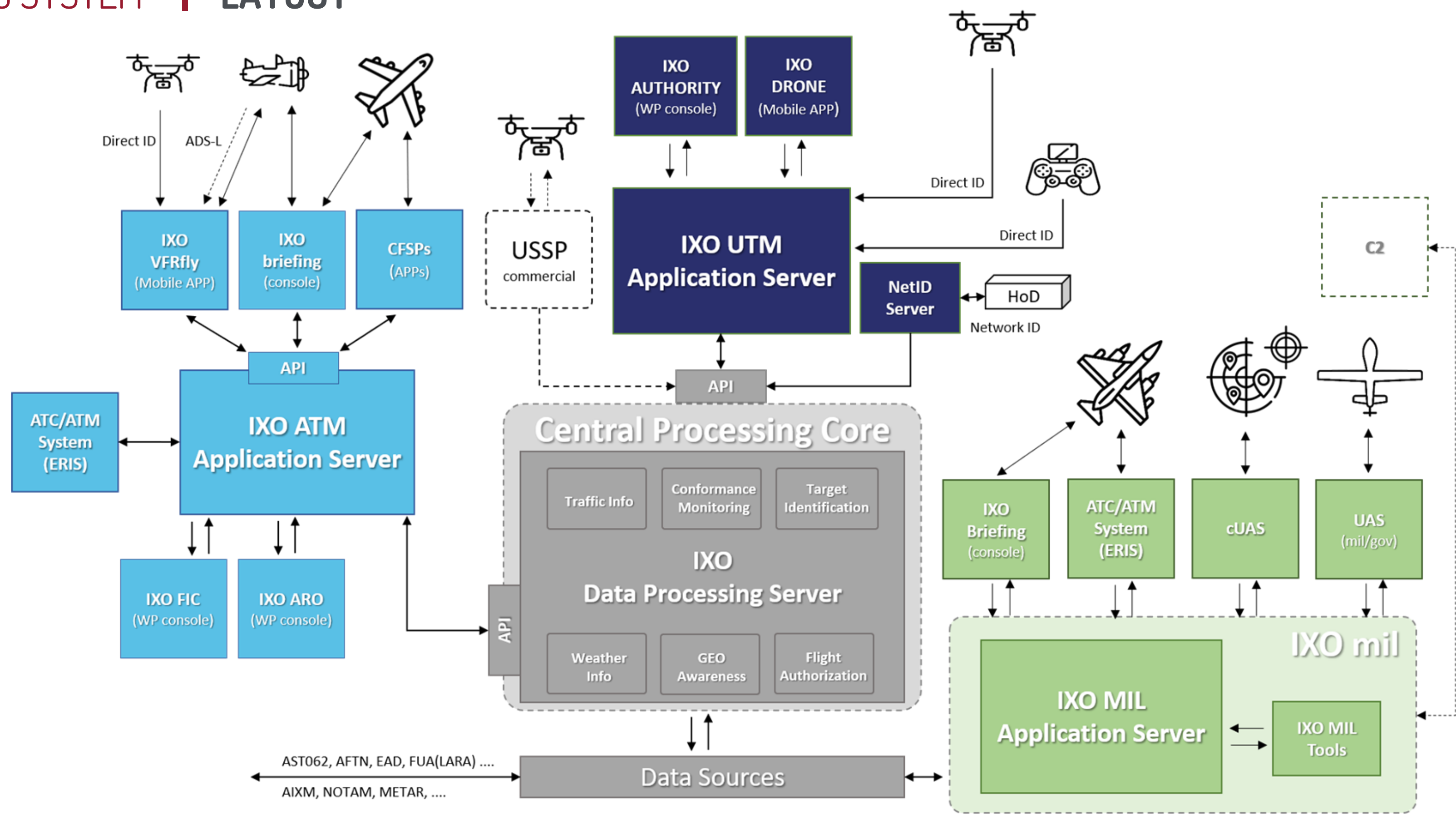


appx. 500.000 processed FPLs
and related messages per year

100.000+ FPL/country/year

25% yearly increase

IXO SYSTEM | LAYOUT



IXO SYSTEM | ALL IN ONE SOLUTION

Airspace management

Safety risk mitigation

3D precise monitoring

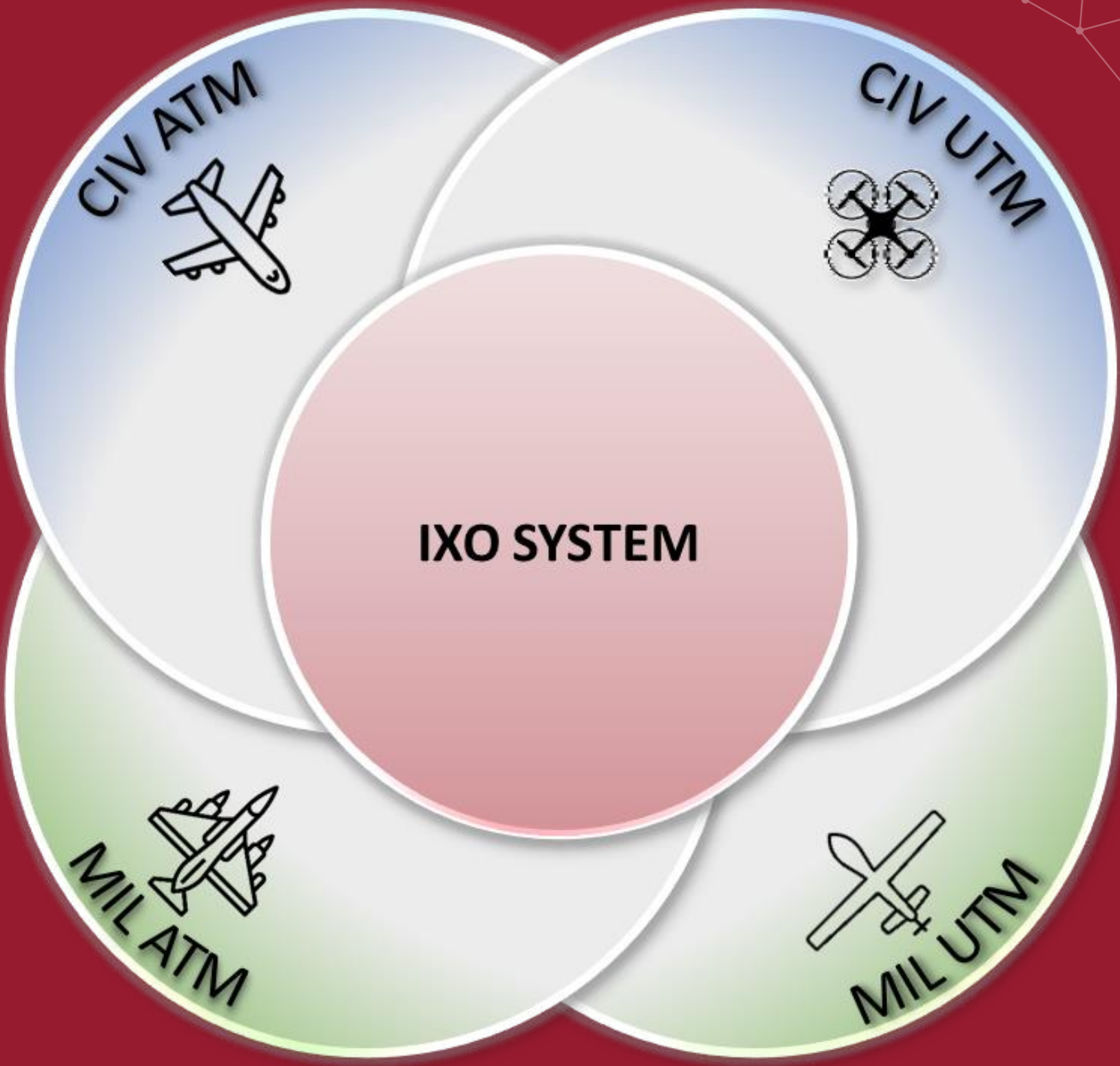
Full situational awareness

Conformance monitoring

Open architecture

Intuitive and easy-to-use

Cybersecurity



IXO SYSTEM | AUTHORITY TOOLSET

WEB-BASED APPLICATIONS, ANSP USER SPECIFIC LAYOUT AND FEATURES (NOF, CARO/ARO, SAF, SAR, U-SPACE), CAA, MIL

AIS DATA PROCESSING, HANDLING, STORAGE

PIB, FPL MANAGEMENT

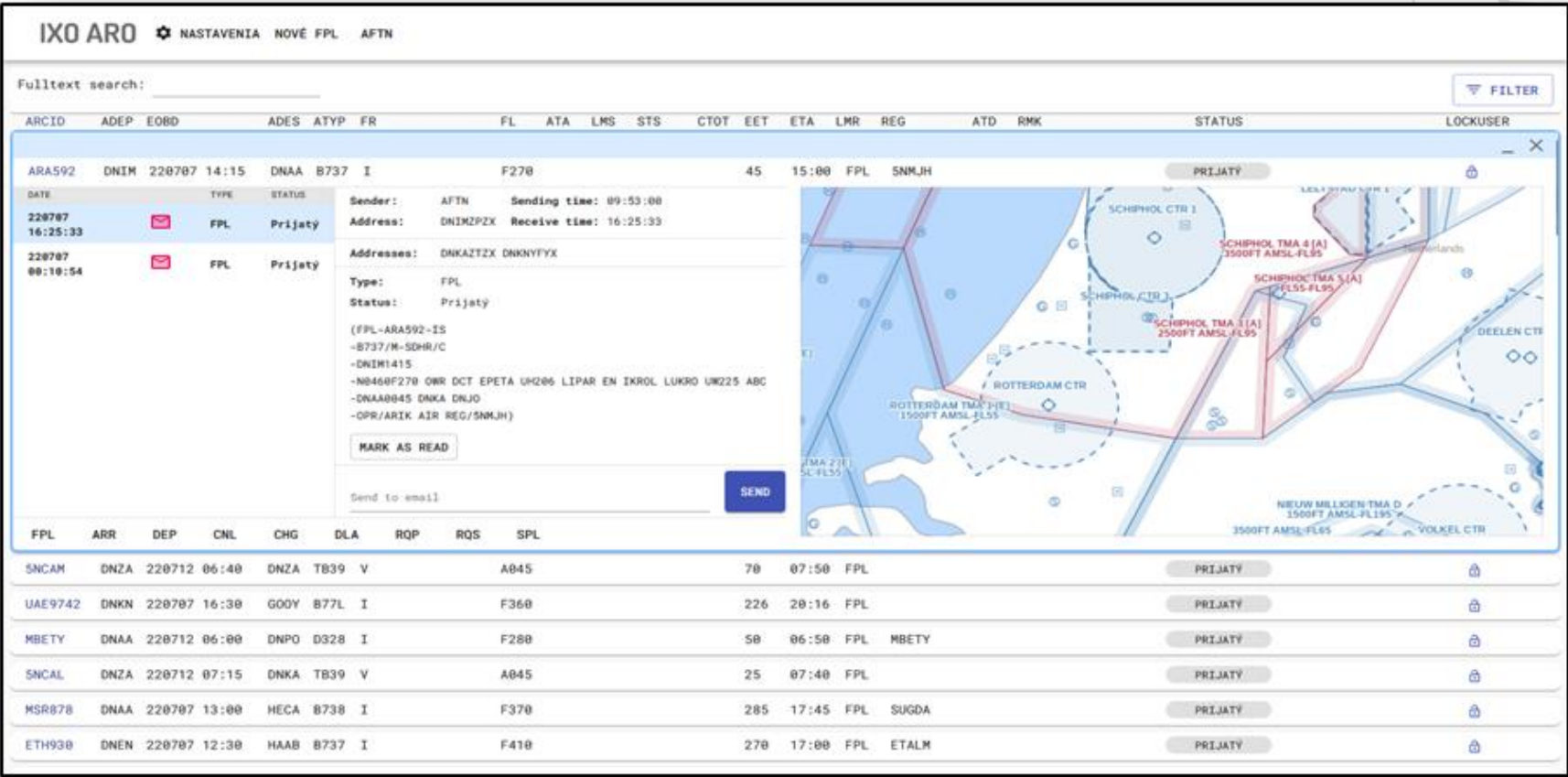
GRAPHICAL DATA VISUALIZATION

AFTN (TERMINAL/CLIENT, BRIEFING,TWR)

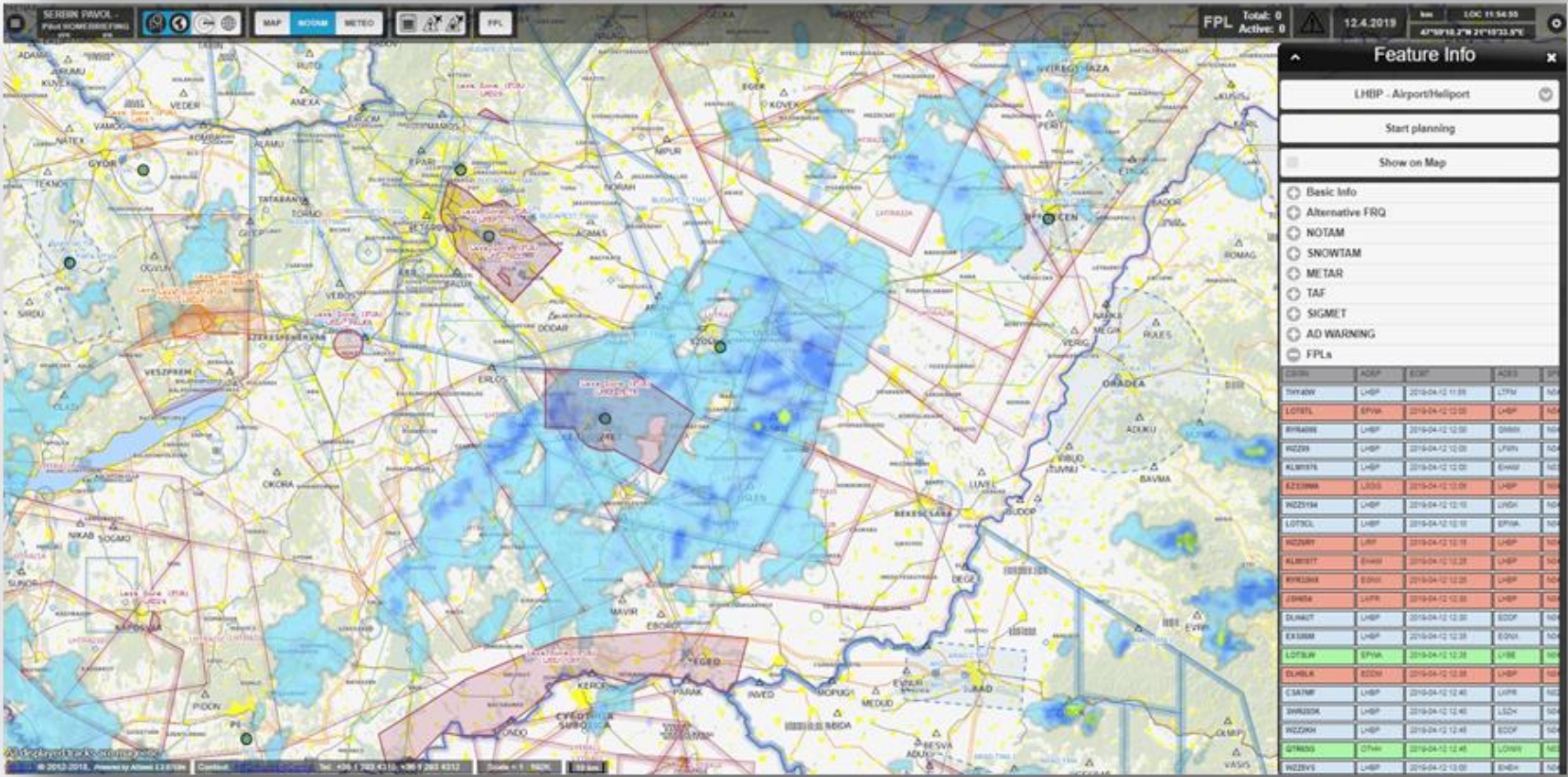
INTEGRATED AIP & REGULATION

NOTAM(FULL MANAGEMENT), METEO(OVERVIEW)

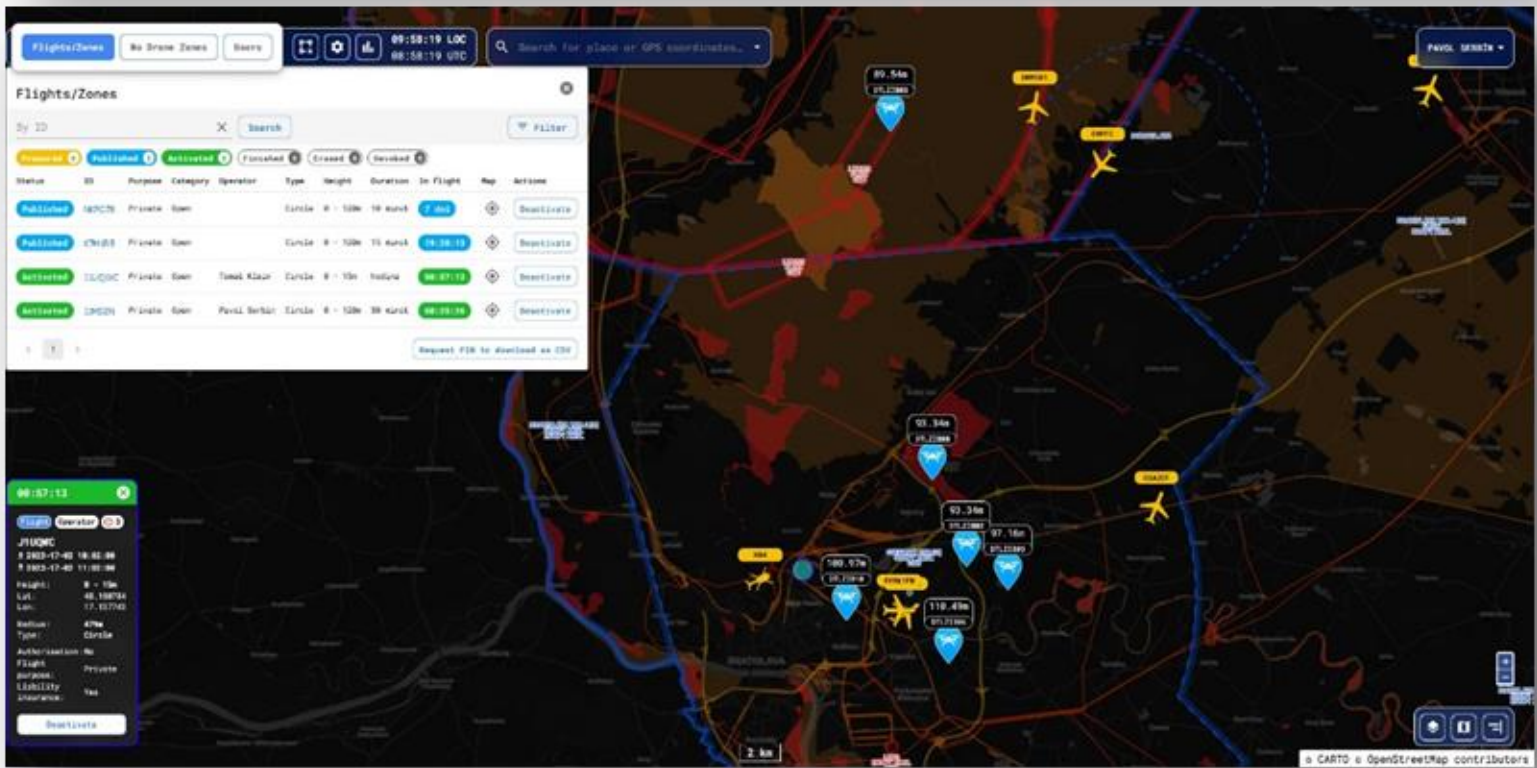
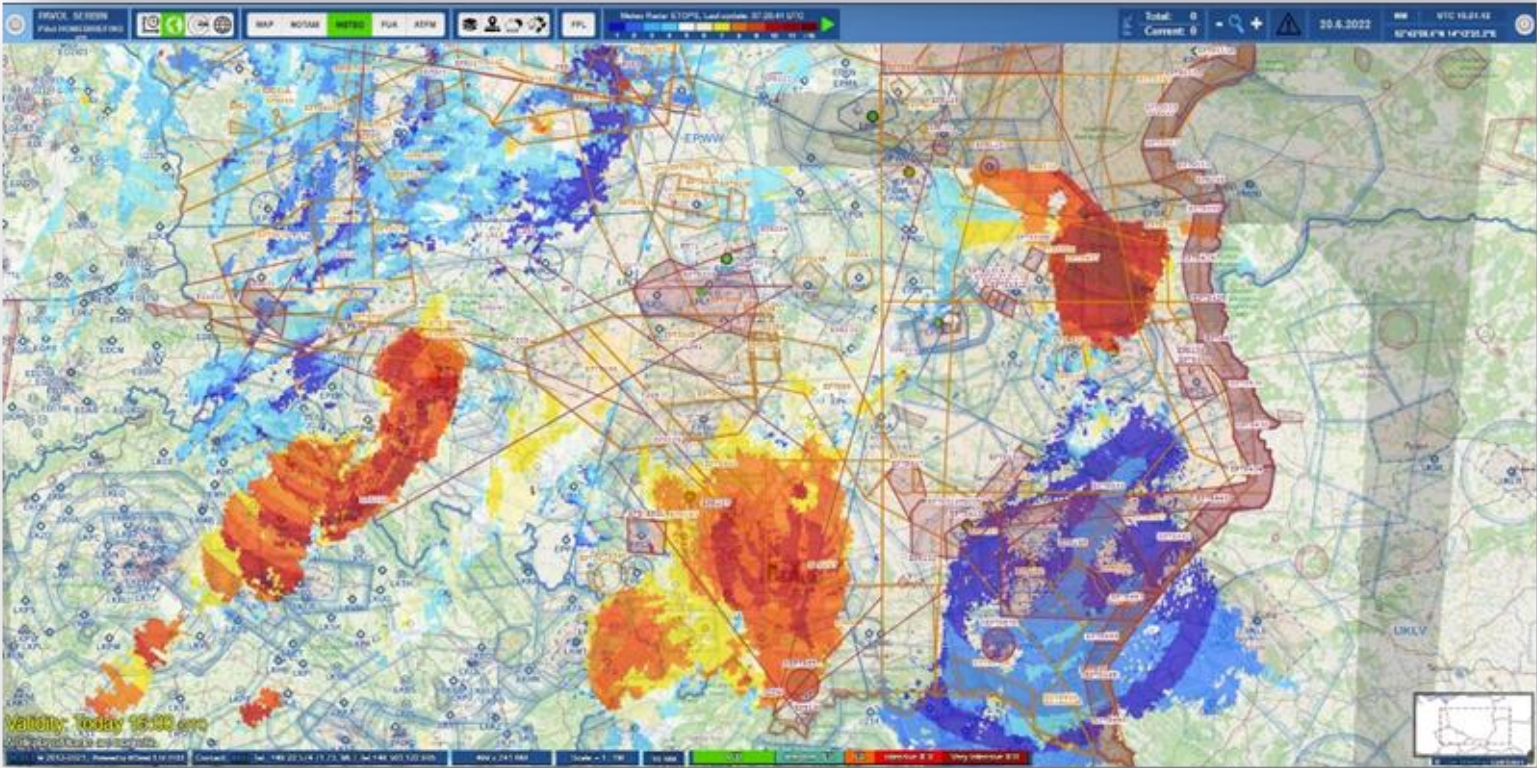
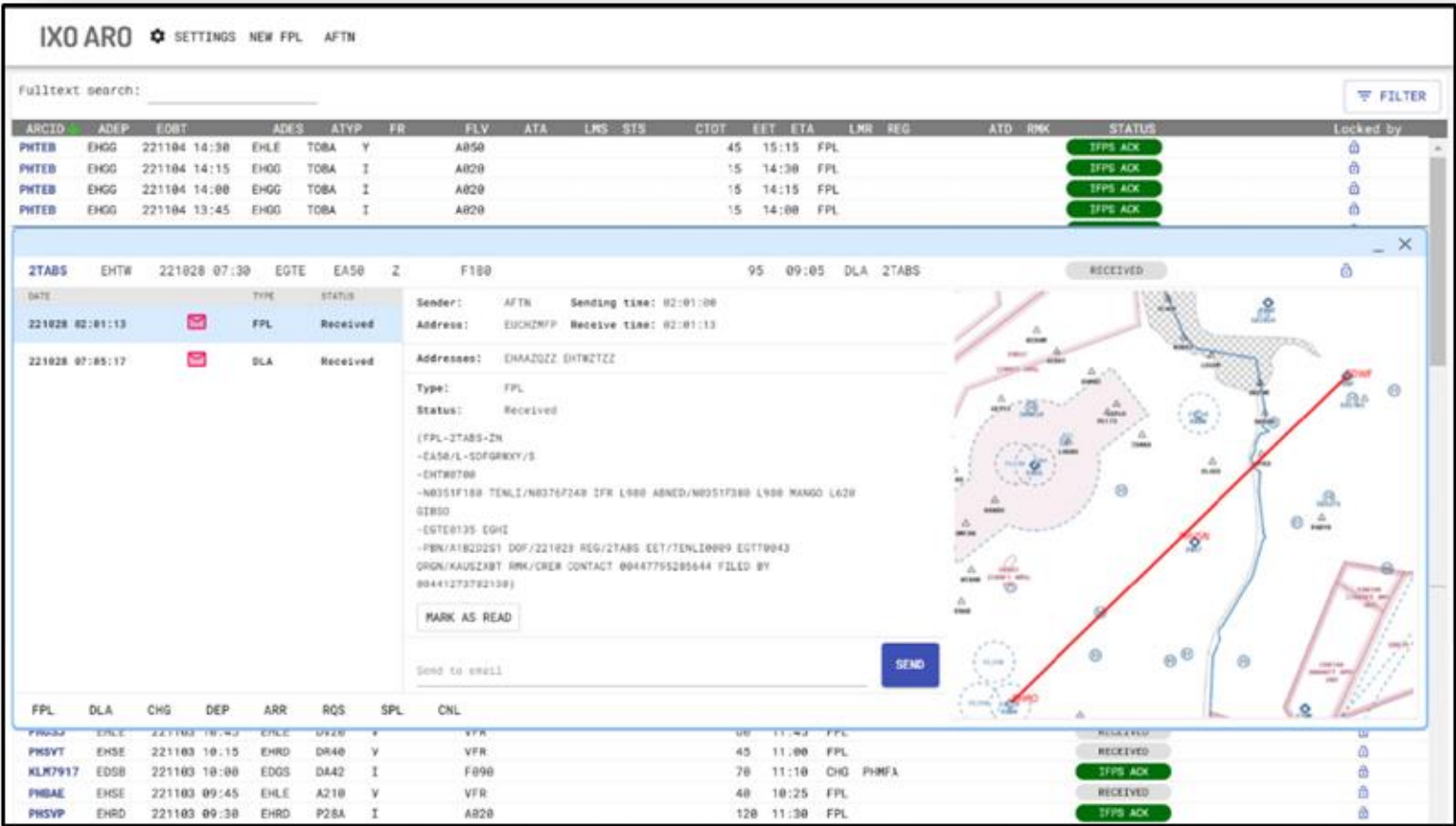
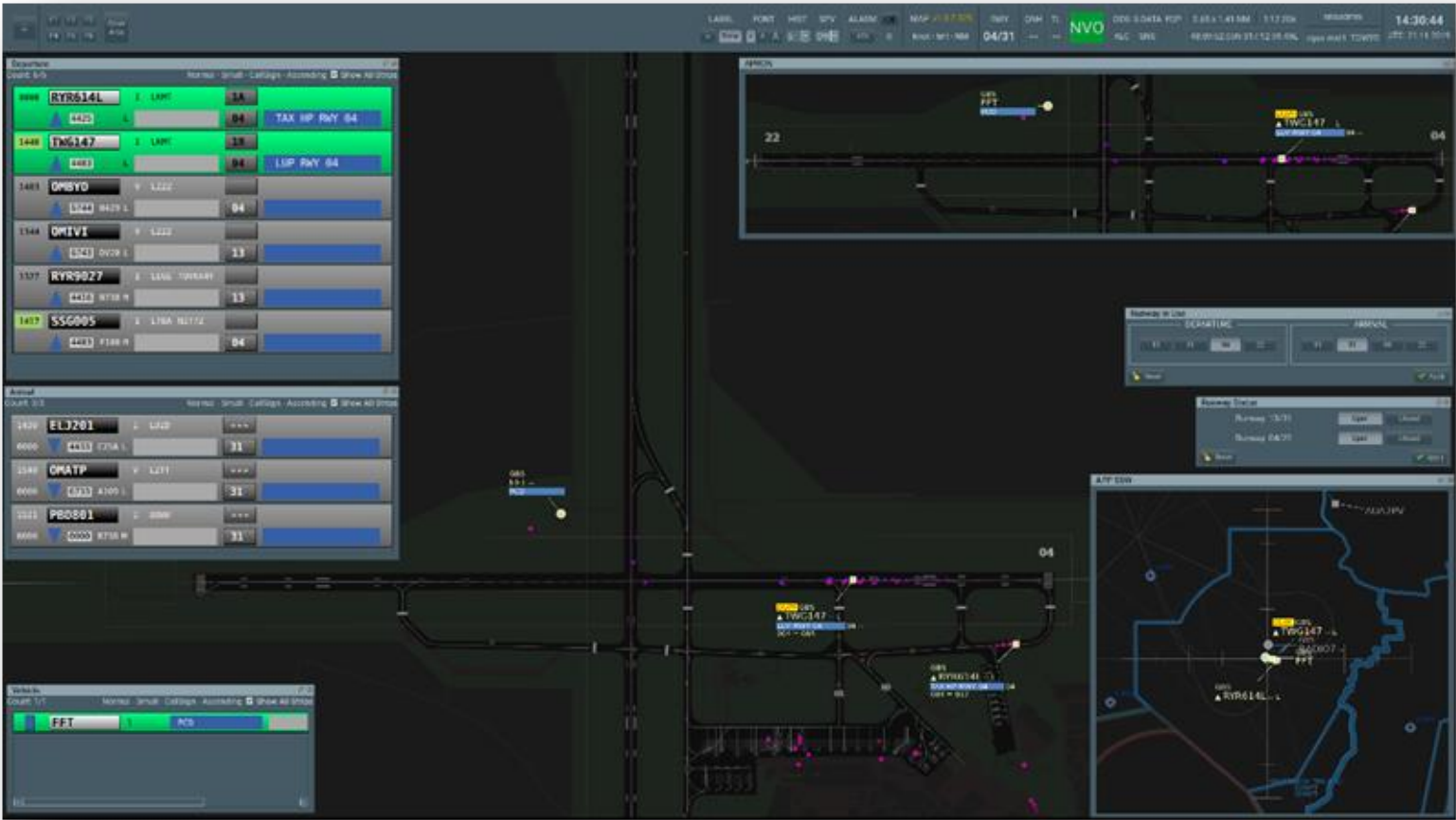
READY FOR USER SPECIFIC MODIFICATION



NOTAM PORTAL											IVETA KINDERNAYOVA	
NEW NOTAM PROPOSAL												
MAP												
HELP												
Search...												
ID	Type	Created	Creator	Submitted	Submitter	Valid From	Valid To	Text	Chat	Status	Action	
172	N	238424 12:49	martina.hunova...	238424 12:49	martina.hunova@...	238427 14:48	238425 14:48			NEW	REVIEW	
171	N	238424 09:14	kivnlorigl@ma...	238424 09:15	kivnlorigl@mai...	238425 11:13	238426 11:13	TEST KIV		IN PROGRESS	REVIEW	
170	N	238424 06:40	martina.hunova...	238424 06:40	martina.hunova@...	238425 08:39	238425 08:39			SENT TO EAD	REVIEW	
169	N	238424 06:33	martina.hunova...	238424 06:33	martina.hunova@...	238425 06:33	238425 06:33	KITE FLYING AT DIRKSLAND PSN 514607N 0040708E, RADIU...		NEW	REVIEW	
168	N	238421 12:50	martina.hunova...	238421 12:50	martina.hunova@...	238422 14:50	238423 14:50			SENT TO EAD	REVIEW	
167	N	238421 12:48	martina.hunova...	238421 12:51	martina.hunova@...	238422 14:48	238422 14:48			SENT TO EAD	REVIEW	
166	N	238421 12:47	martina.hunova...	238421 12:47	martina.hunova@...	238422 14:47	238422 14:47			NEW	REVIEW	
164	N	238421 12:30	kivnlorigl@ma...	238421 12:30	kivnlorigl@mai...	238421 12:29	238422 14:29			SENT TO EAD	REVIEW	
163	N	238421 10:12	kivnlorigl@ma...	238422 06:45	kivnlorigl@mai...	238422 12:12	238422 12:12	TEST LOAD NOTAM ORIGINATOR	1	IN PROGRESS	REVIEW	
162	N	238421 10:12	kivnlorigl@ma...			238422 12:12	238422 12:12	TEST LOAD NOTAM		IN PROGRESS	REVIEW	
161	N	238420 12:07	martina.hunova...	238420 12:07	martina.hunova@...	238421 14:07	238421 14:07	KITE FLYING AT DIRKSLAND PSN 514607N 0040708E, RADIU...		CHANGE PROPOSAL	REVIEW	
160	N	238420 12:07	martina.decost...			238421 14:06	238421 14:06	REFRTEST123		IN PROGRESS	REVIEW	
159	N	238420 11:48	martina.hunova...	238421 12:24	martina.hunova@...	238417 13:48	238425 13:48			SENT TO EAD	REVIEW	
158	N	238420 11:47	martina.decost...			238419 13:46	238417 13:46			IN PROGRESS	REVIEW	



IXO SYSTEM | ANSP TOOLSET - ATC, ATM, UTM



IXO SYSTEM | ATC/ATM/UTM INTERACTION



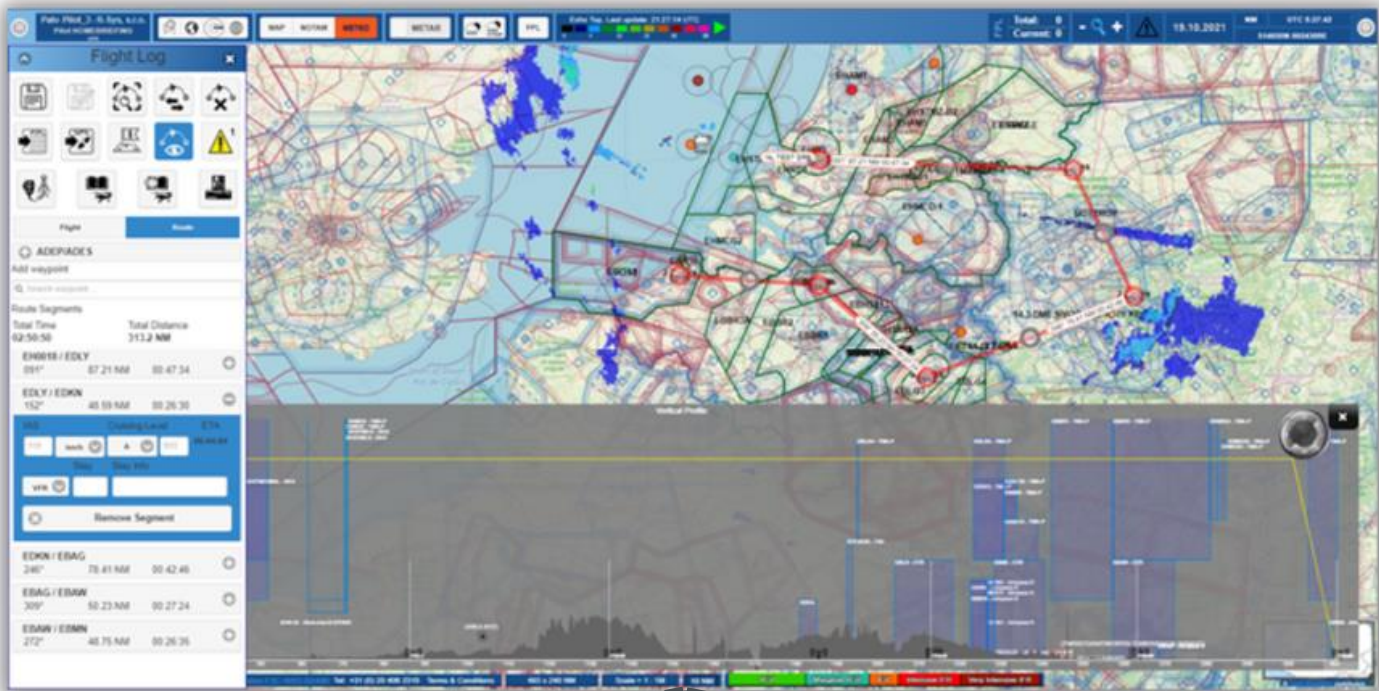
UTM/CUAS

ATC/ATM

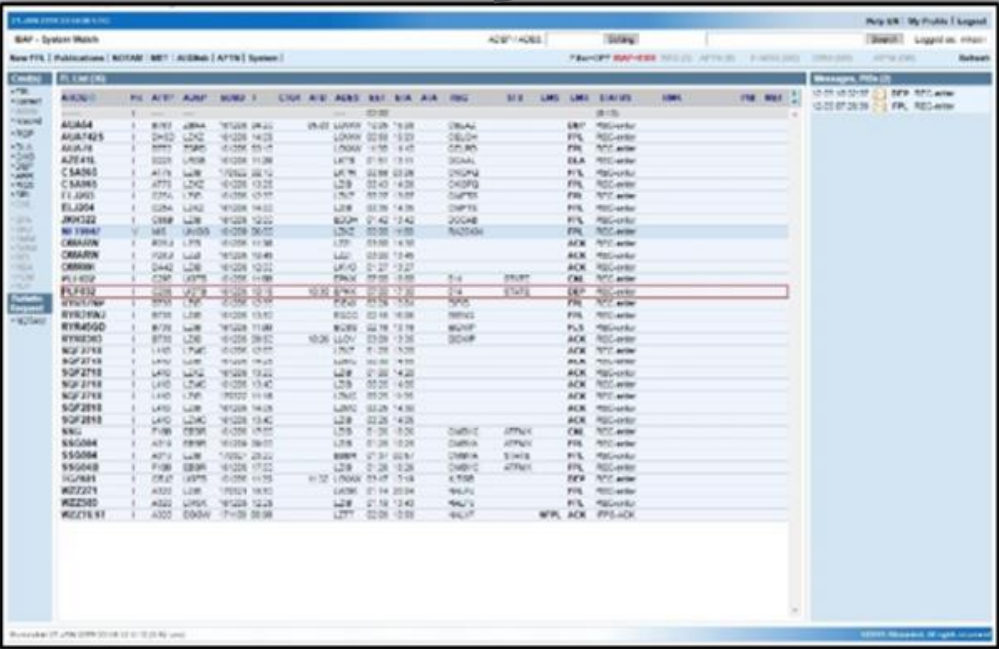
IXO SYSTEM | MODULAR, SCALABLE, FLEXIBLE



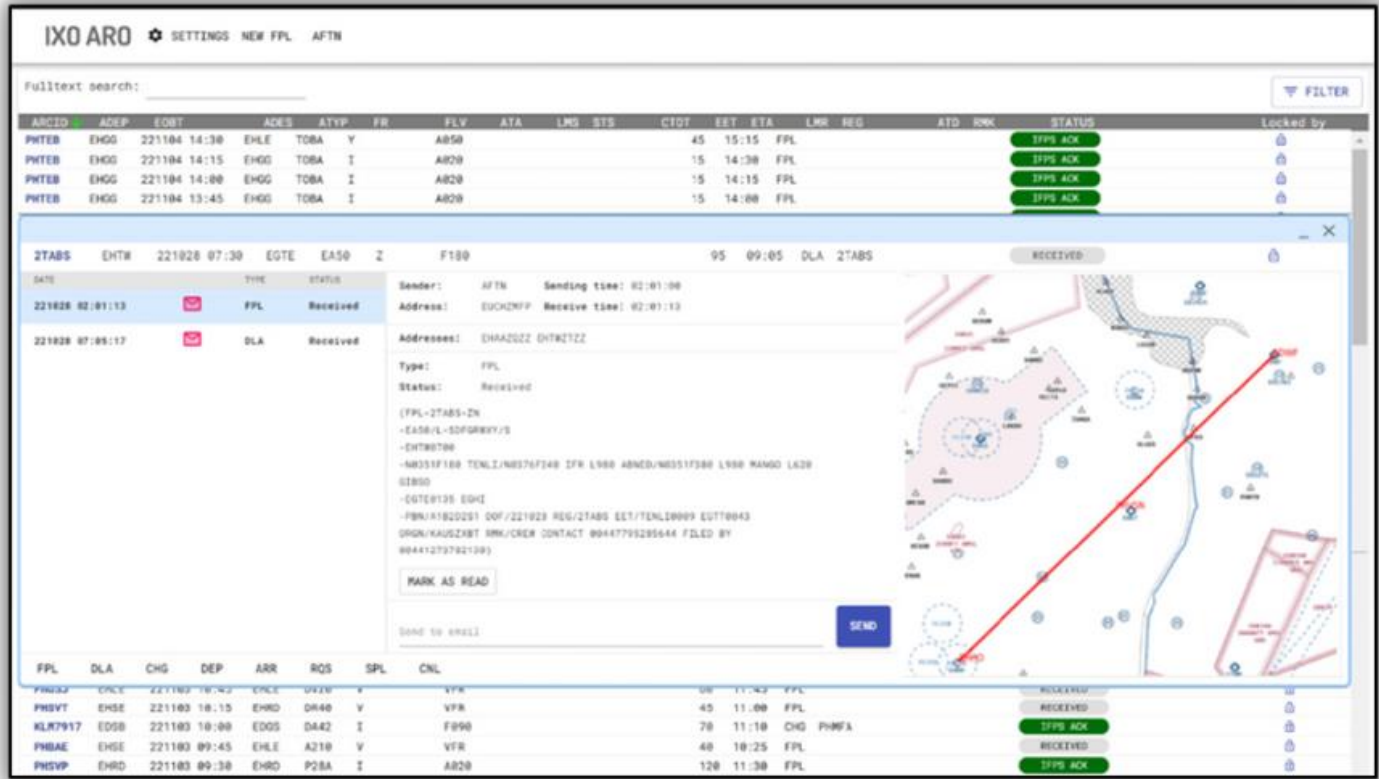
Briefing tool



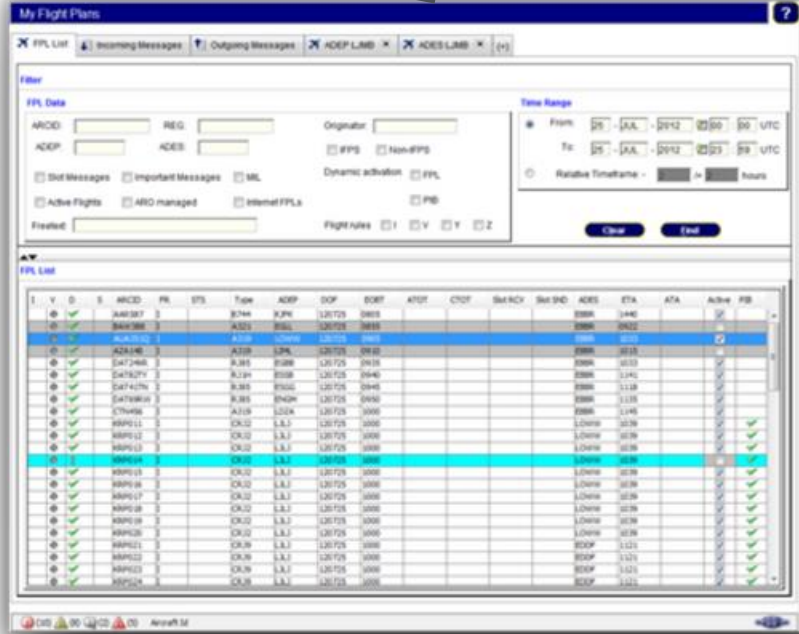
3rd party Tool



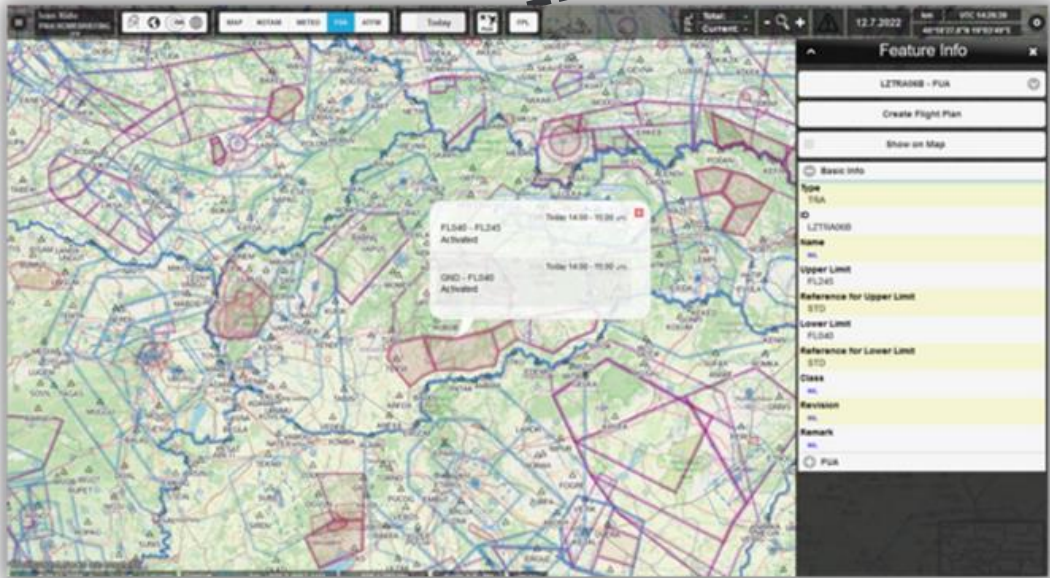
ATC/ATM/ARO Tools



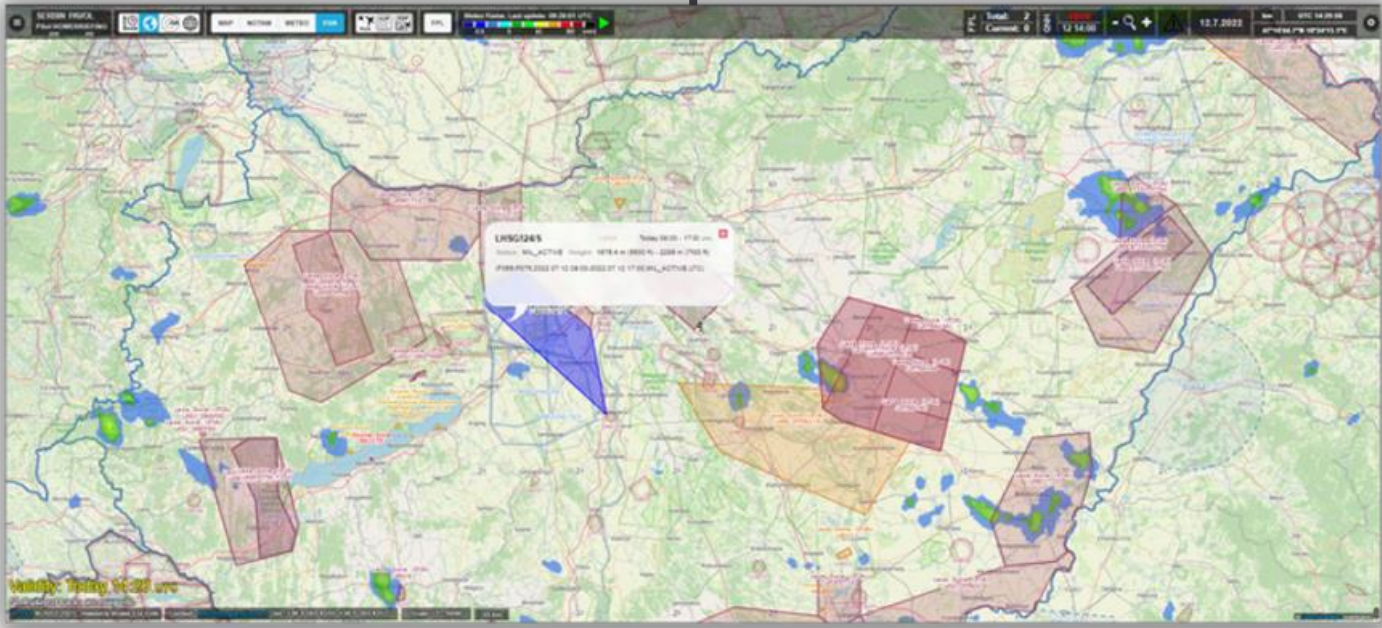
3rd party Tool



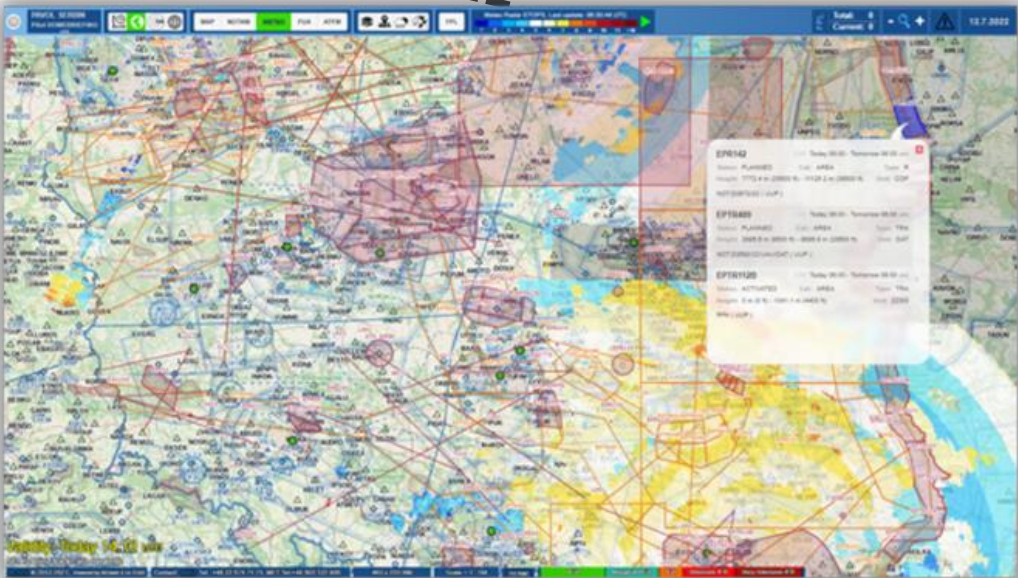
IXO SYSTEM | DYNAMIC DATA FLEXIBILITY - FUA



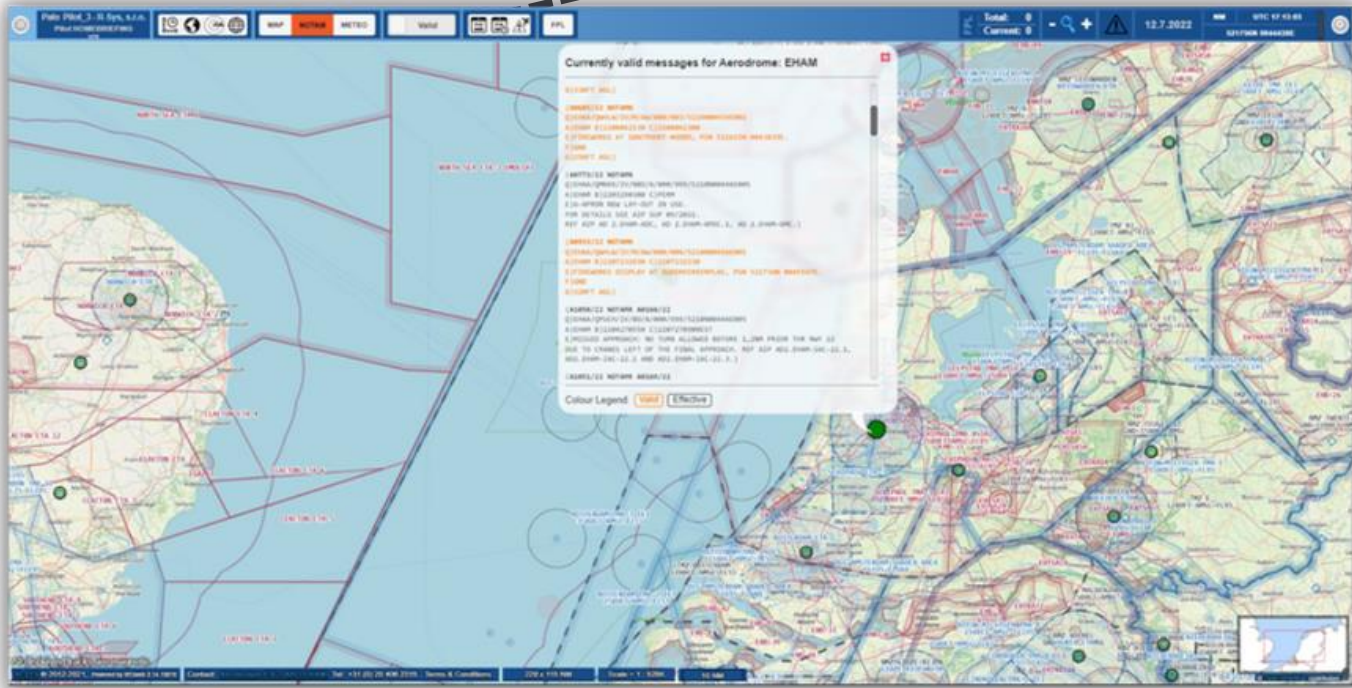
eFUA



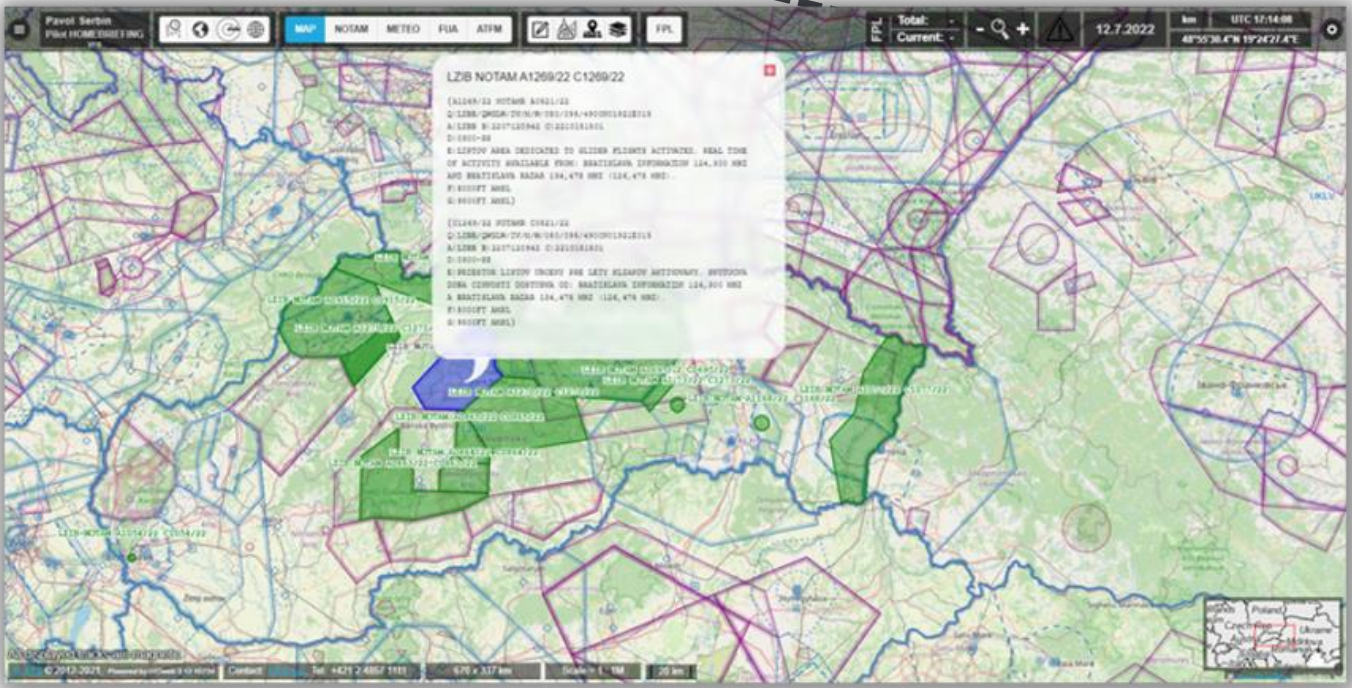
LARA FUA



CAT FUA(3rd parties)

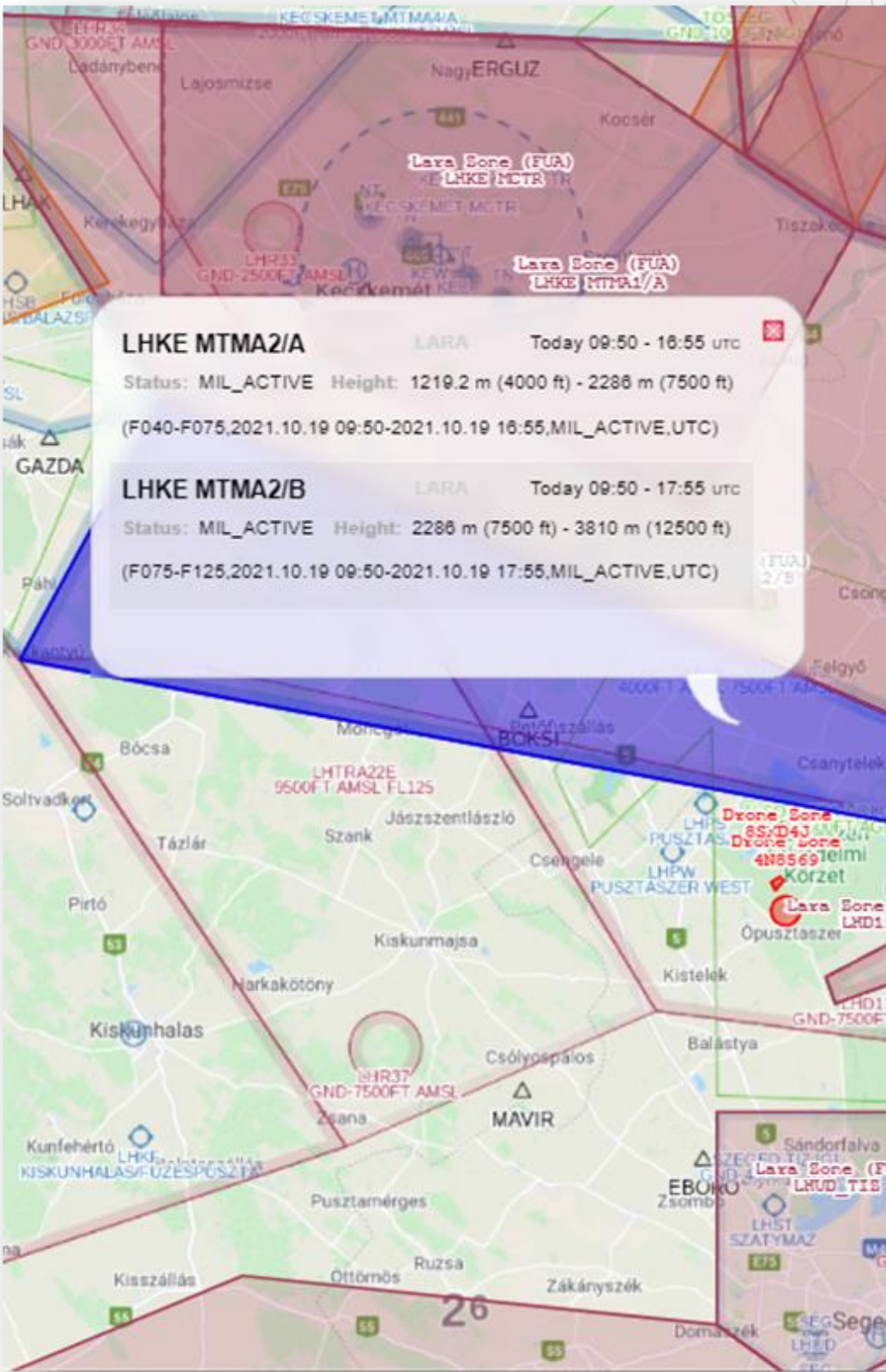
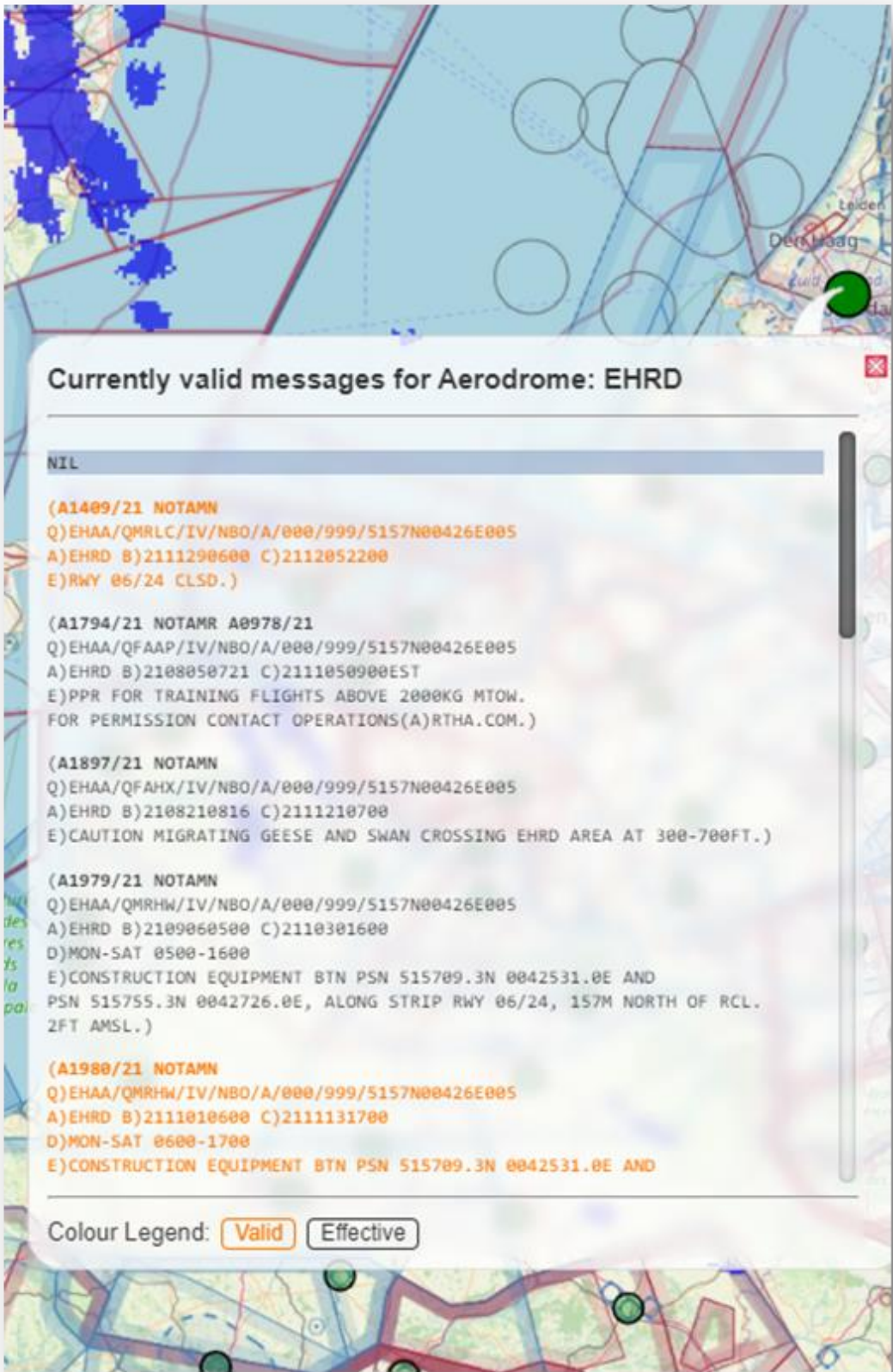
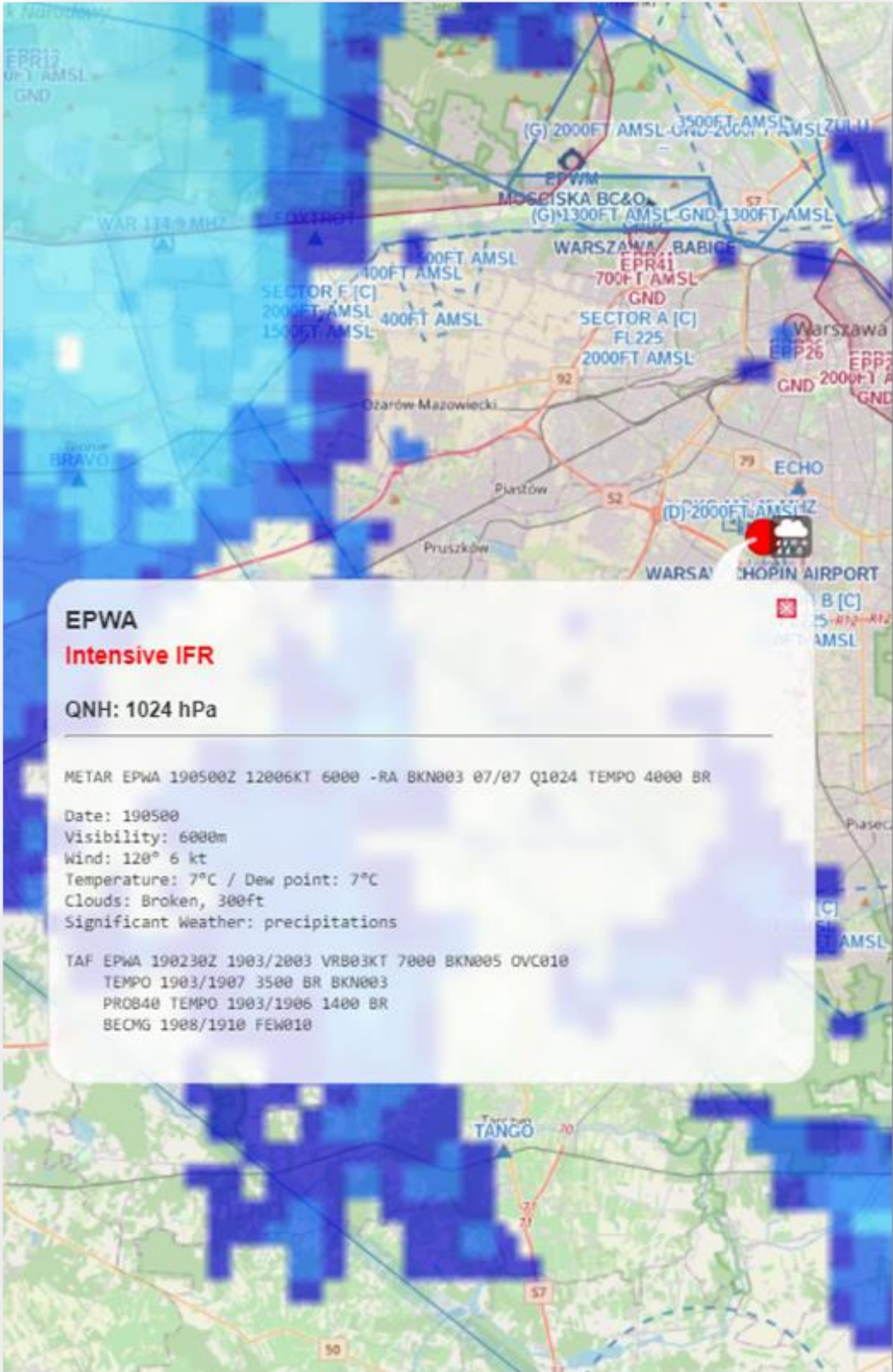


Standard NOTAM



NOTAM Linkage

IXO SYSTEM | DATA PRESENTATION – MET, xTAM, FUA (LARA), UTM





IXO SYSTEM | FPL MANAGEMENT LOOP

Pilot briefing

Flight Plans

Current

Archive

ARCID

*ADEP

*ADES

Flight rules

IFR + VFR

Reset

Apply Filter

Reload Data

* Use 2-4 letters to define one or more ADs separated by spacebar. Examples: LHBP; LHBP LHDC; LH LZIB; LH LZ

Results

Page 1 of 1

Count Per Page

25

ARCID	FR	ATYP	ADEP	EOBD/T	CTOT	ADES	ETA	REG
ACKHU12	V	C172	LHBP	211020 08:59		LHPA	12:57	
ACKHU12	V	C172	LHPA	211020 16:59		LHBP	20:57	

211019 07:20 (Hrasko Janko) H-NEW FPL

(FPL-ACKHU12-VS
-C172/L-E1E2H2QGY/N
-LHPA1659
-K0110A015 DCT
-LHBP0358 LHGX
-DOF/211020 OPR/TEST RWK/PHONE 0123456789
-E/4602 P/S
A/WHITE
C/TOMAS KLEIN)

211019 07:20 (Hrasko Janko) CARO-msgOK

(FPL-ACKHU12-VS
-C172/L-E1E2H2QGY/N
-LHPA1659
-K0110A015 DCT
-LHBP0358 LHGX
-DOF/211020 OPR/TEST RWK/PHONE 0123456789
-E/4602 P/S
A/WHITE
C/TOMAS KLEIN)

Route & Conflicts

PIB

METEO PIB

Open as new

Reverse Route

Export to GPS

CHG

DLA

CNL

DEP

ARR

HATEST	V	C172	LHBP	211022 12:00		LHBP	15:58	
HUKH9	I	C172	EHAM	211019 15:00		LHPA	18:58	
REJOVM4	V	C172	LHBP	211020 12:00		LHBP	15:58	

ARO - FPL management

19-OCT-2021 07:07:19 UTC

HBS - Operator AROAdmin

ADEP / ADES

Amsterdam FSC (ARO EHAMI: (+31) (0)20 406 2315)

Search

Logged as: test_aro_0@r-sys.sk

Help | My Profile | Logout

New FPL | FL Search | FI Intents | AIS info | MET info | AFTN | System | News

Filter REG (5) AFTN (2006) H-MSG (1/1) ORM (483/426) ATFM (0/0)

Refresh

Cmd(s)

FPL List (02 / 2009)

FPLs with EOBT over 120 hours in the past cannot be displayed or searched in this list (for older FPLs please see FL Search).

ARCID	FR	ATYP	ADEP	EOBD(T)	CTOT	ATD	FL	ADES	EET	ETA	ATA	REG	STS	LRS	LPR	STATUS	Locked by	RPK
BRX010	I	A189	EHQH	211019 10:35			A030	EHKD	00:15 10:50			OYHJH				ACK	IFPS ACK	
PHK1K	V	A550	EHMA	211019 10:30			VFR	ZZZZ	00:25 10:55							CNL	Received	
HME67A	V	EC55	ZZZZ	211019 10:25			VFR	EHMA	00:20 10:45			PHEQU				DLA	Received	
HME67A	V	EC55	EHMA	211019 10:00			VFR	ZZZZ	00:20 10:20			PHEQU				DLA	Received	
PH3RN	I	T018	EHBD	211019 10:00			F310	LFTZ	02:25 12:25			PH3RN				FPL	IFPS ACK	
KLM7910	I	DA42	EDDR	211019 10:00			F000	EHGG	01:50 11:50			PHKFB				ACK	IFPS ACK	
BRX010	I	A189	EHKD	211019 10:00			A020	EHBP	00:25 10:25			OYHJH				ACK	IFPS ACK	
HME600	I	EC75	EHLE	211019 10:00			A030	EHKD	00:16 10:16			PHOSF				ACK	IFPS ACK	
PHLVIH	V	C172	EHLE	211019 09:40			VFR	EHGG	00:50 10:30							FPL	Received	
PHATST5	I	C172	EHAI	211019 09:22			A050	EHTE	01:00 10:22							FPL	New FPL Requested	
HNL07A	I	A139	EHCB	211019 09:20			A030	EHKD	00:40 10:00			PHEUK				ACK	IFPS ACK	
HNL25A	I	A139	EHMR	211019 09:15			A030	EHKD	00:20 09:35			PHEUF				ACK	IFPS ACK	
PHK1K	V	A550	EHMA	211019 09:15			VFR	EHMA	01:00 10:15							CNL	Received	
STIA329	I	A359	EHAI	211019 09:15			F370	H555	12:43 21:58			9VSHH				FPL	Received	
PKLE89	I	C172	EHKD	211019 09:04			A050	EHGG	01:00 10:04							FPL	MSG to Send	
PHH0J	V	A555	EHLE	211019 09:00			VFR	EHSC	01:00 10:00							FPL	Received	
BRX01A	I	A189	EHLT	211019 09:00			A030	EHKD	00:20 09:20			OYHJH				ACK	IFPS ACK	
HME60A	I	EC55	EHLE	211019 09:00			A030	EHKD	00:20 09:20			PHSHO				ACK	IFPS ACK	
PHBAR	Z	THEN	EHSE	211019 09:00			VFR	EHKD	01:44 10:44							ACK	IFPS ACK	
KLM7910	I	DA42	EHCH	211019 08:45			F100	EHGG	02:15 11:00			PHKFB				REJ	IFPS REJ	
STIA373	I	B744	EHAI	211019 08:35			F330	QMSJ	06:22 14:57			9VSHH				FPL	Received	
FHBGH	I	T018	EHBD	211019 08:30			F180	LFLY	01:36 10:06			FHBGH				FPL	Received	
HME600	I	EC75	EHKD	211019 08:30			A020	ZZZZ	00:35 09:05			PHOSF				ACK	IFPS ACK	
PHK1K	V	A550	ZZZZ	211019 08:30			VFR	EHMA	00:25 08:55							CNL	Received	
KLM7910	I	DA42	EHCH	211019 08:30			F070	EHGG	02:15 10:45			PHKFB				REJ	IFPS REJ	
PHTDX	I	DA42	EHAI	211019 08:15			F150	EDDM	01:10 09:25							ACK	IFPS ACK	
PHTDX	I	DA42	EHAI	211019 08:15			F150	EDDM	01:31 09:46							ACK	IFPS ACK	
PH3MP	V	C200	EHTE	211019 08:00			VFR	EHTE	11:00 19:00							FPL	Received	
KLM7910	I	DA42	EHGG	211019 08:00			F090	EDDR	01:50 09:50			PHKFB				ACK	IFPS ACK	
N800M	V	H20P	EHKD	211019 08:00			F110	LPHF	03:30 11:30							ACK	IFPS ACK	
N139LZ	V	L39	EDRZ	211019 07:55			VFR	EDRZ	01:45 09:40							FPL	Received	
PHUSJ	V	DV20	EHLE	211019 07:45			VFR	EHLE	01:00 08:45							FPL	Received	
HME60A	I	EC55	EHKD	211019 07:45			A020	EHLE	00:20 08:05			PHSHO				ACK	IFPS ACK	
NH202A	I	A139	ZZZZ	211019 07:30			A030	EHKD	00:25 07:55			GRHVB				ACK	IFPS ACK	
PHVTB	V	C172	EHTE	211019 07:30			F050	EDFE	01:50 09:20							ACK	IFPS ACK	
PHUNV	V	EC20	ZZZZ	211019 07:30			VFR	ZZZZ	02:00 09:30							CNL	Received	
HNL06A	I	A139	ZZZZ	211019 07:30			A030	EHKD	00:45 08:15			PHEUA				ACK	IFPS ACK	
HNL05A	I	A139	EHLL	211019 07:30	14:30		A030	EHKD	00:20 14:50			PHEUE				upd	ACK	Manual Correction
BRX01A	I	A189	EHKD	211019 07:30			A020	EHQM	00:15 07:45			OYHJH				ACK	IFPS ACK	
HVN5531	I	A359	VVTS	211019 07:30			F360	EHAI	13:23 20:53			VNA893				FPL	Received	
HNL54A	I	A139	EHPI	211019 07:20			A030	EHKD	00:30 07:50			PHSHP				ACK	IFPS ACK	
HNL25A	I	A139	EHKD	211019 07:00			A020	EHGG	00:45 07:45			PHEUF				ACK	IFPS ACK	
HNL05A	I	A139	EHKD	211019 07:00			A020	EHLL	00:20 07:20			PHEUE				ACK	IFPS ACK	
HNL07A	I	A139	EHKD	211019 07:00			A020	EHKJ	00:30 07:30			PHEUK				ACK	IFPS ACK	
PHEFA	Z	C172	EHSE	211019 07:00			F050	EHKD	00:34 07:34							CNL	Received	
NCG03	V	D228	LICT	211019 07:00			VFR	LICT	04:00 11:00			PHGSC				FPL	Received	
NH202A	I	A139	EHKD	211019 07:00			A020	ZZZZ	00:25 07:25			GRHVB				ACK	IFPS ACK	
OK002	V	L410	EHGG	211019 06:42			VFR	EHLE	02:41 09:23				FLTCK	FPL	FPL	FPL SENT by FSC	Staff @ R-sys	
OK001	V	L410	EHGG	211019 06:40			VFR	EHLE	02:41 09:21				FLTCK	FPL	FPL	FPL SENT by FSC		

Messages, PIBs (10)

211019 07:07:09 upd Manual Correction

211019 07:06:38 ACK IFPS ACK

211019 07:06:38 ACK IFPS ACK

211019 07:06:32 CNL IFPS ACK

211019 06:33:40 ACK IFPS ACK

Chart

Links

CO AIP

2019-09-25

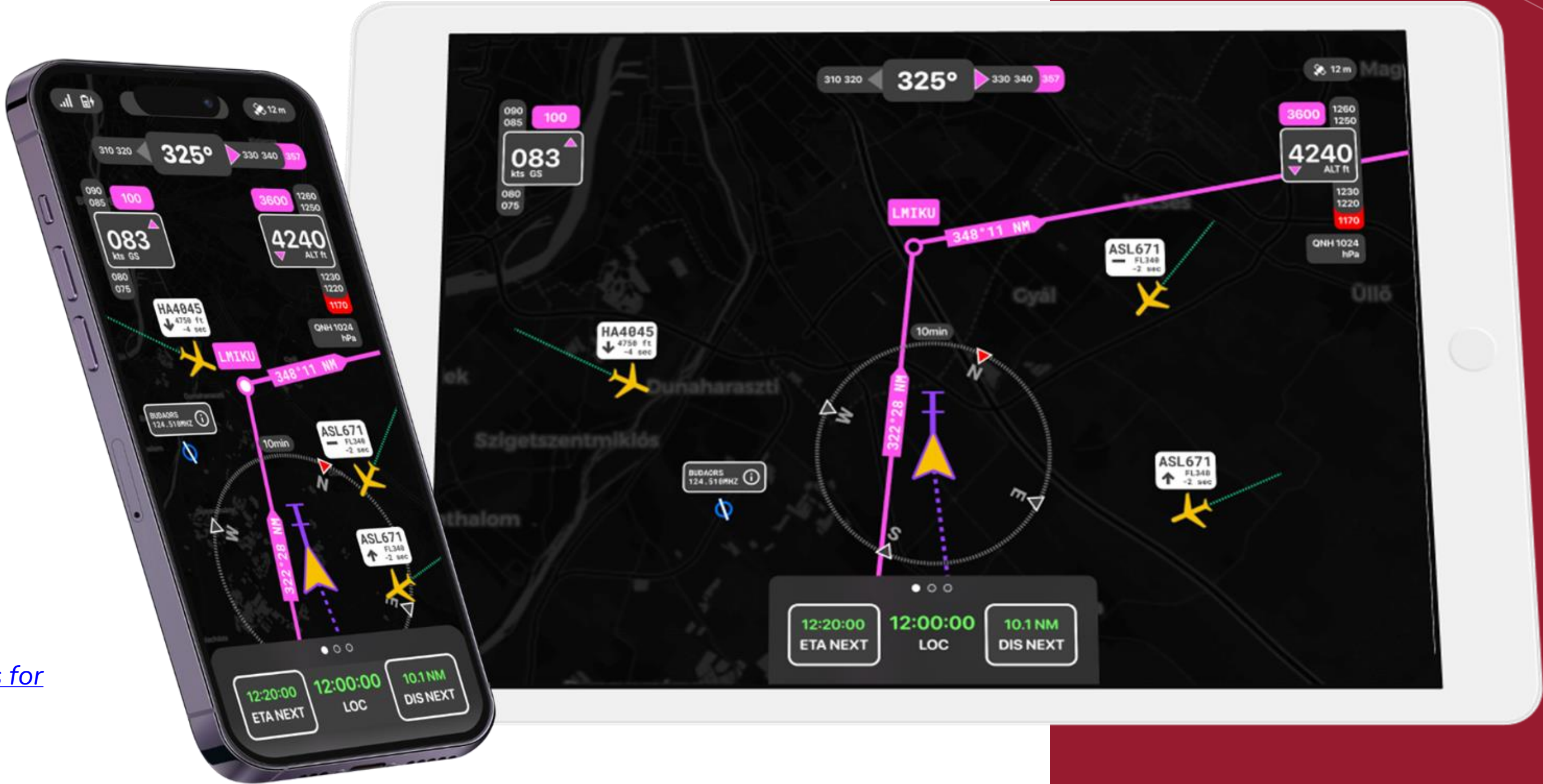
AD TF SR SS TT OPR NOTAM SNOW MET

Generated 19-OCT-2021 07:07:19 UTC (229 sec)

ver. 3.14.10984 - GLVHL All rights reserved

IXO SYSTEM | IXOfly - MANNED AVIATION MOBILE APP

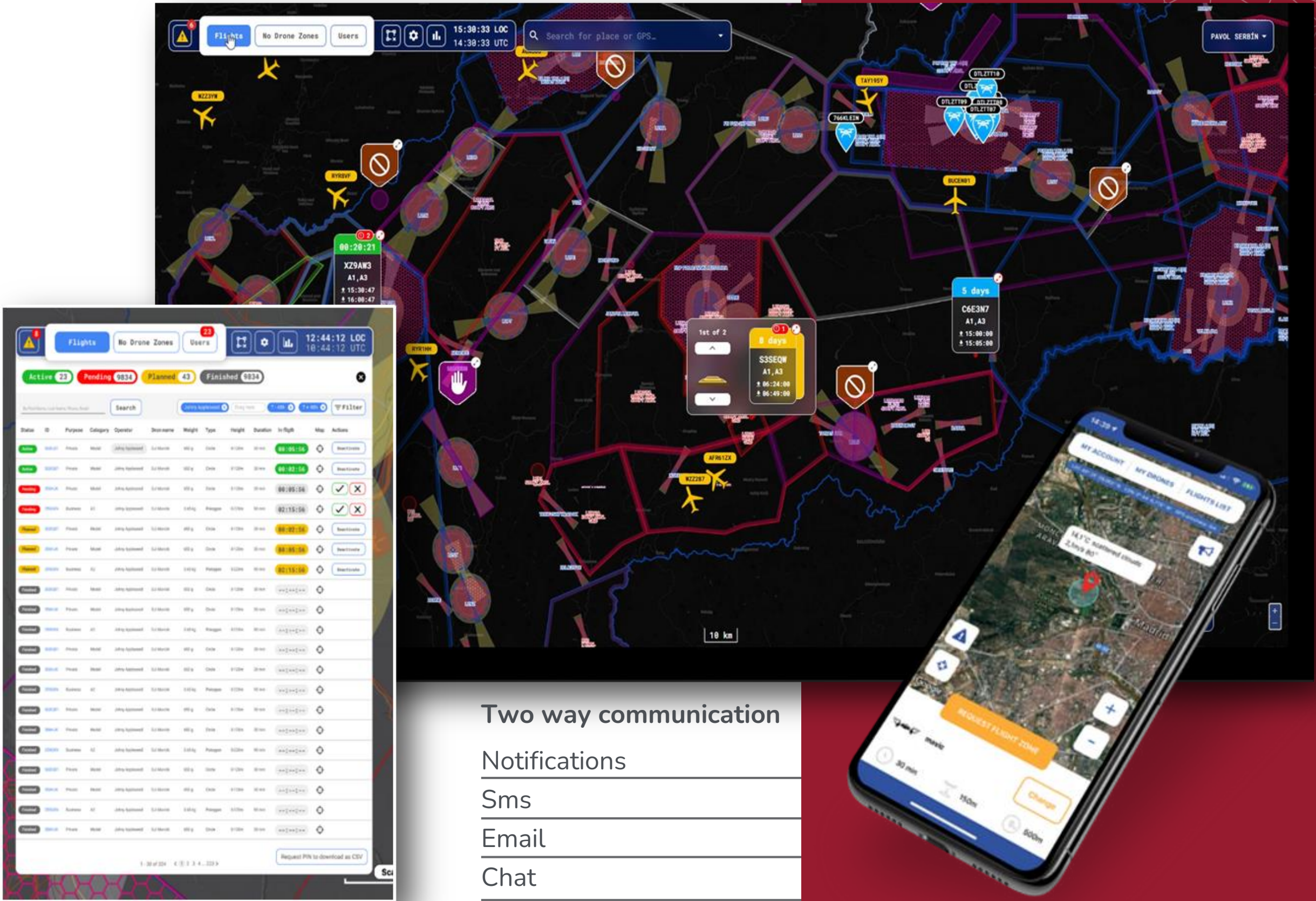
- Staying in control
- Coping with weather
- Preventing mid-air collisions
- Managing the flight
- EFB REQs compliant



Based on the [EASA Strategic Priorities for General Aviation GA Roadmap 2.0](#)

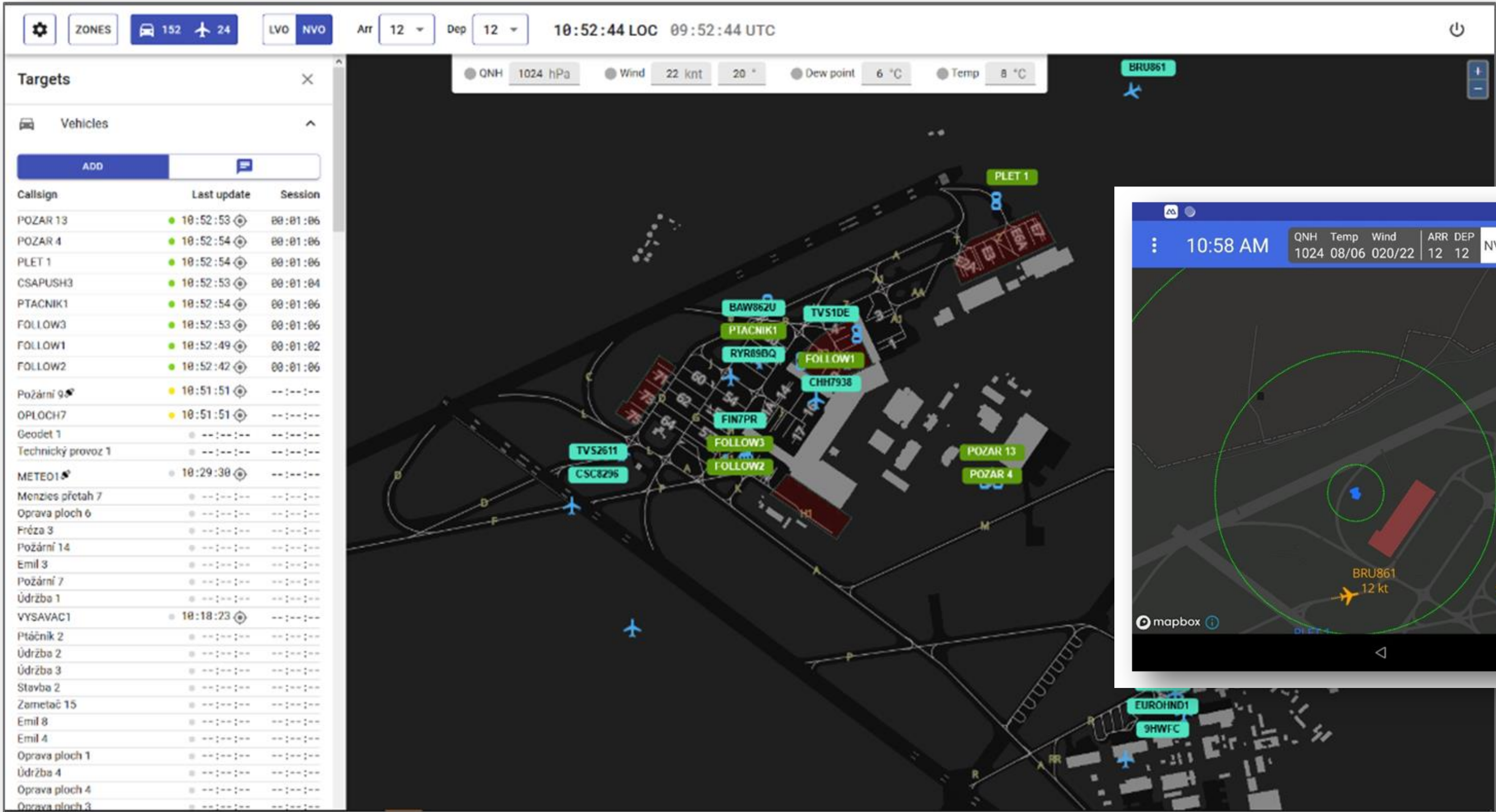
IXO SYSTEM | INTEGRATED UTM SYSTEM

- Areas, drone ZOnES, no-drone zones, signal zones
- Geofencing (static & dynamic) ready
- User management
- Statistics report
- User friendly MMI
- Modularity
- UTM/ATM oriented GUI
- Network ID
- Direct ID
- Real-time traffic
- Conflict notification ready
- Conformance monitoring ready

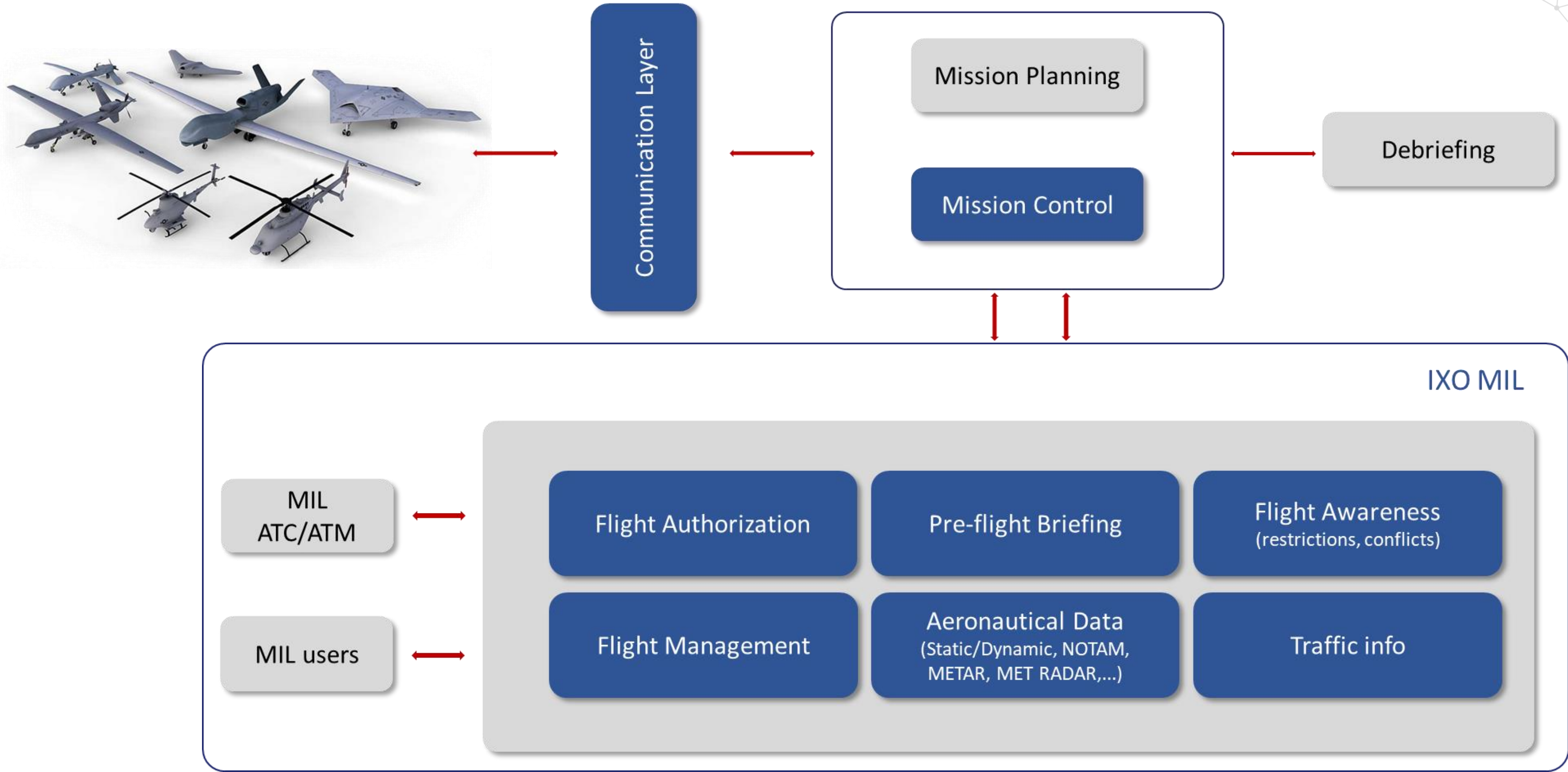


- Two way communication
- Notifications
- Sms
- Email
- Chat

IXO SYSTEM | WEB/MOBILE - AIRPORT AMMS



IXO SYSTEM | IXOmil - AIRSPACE & ASSETS MANAGEMENT



IXO SYSTEM | IXOmil - AIRSPACE & ASSETS MANAGEMENT

Standardized procedures

Repeatability

Compatibility w. other systems

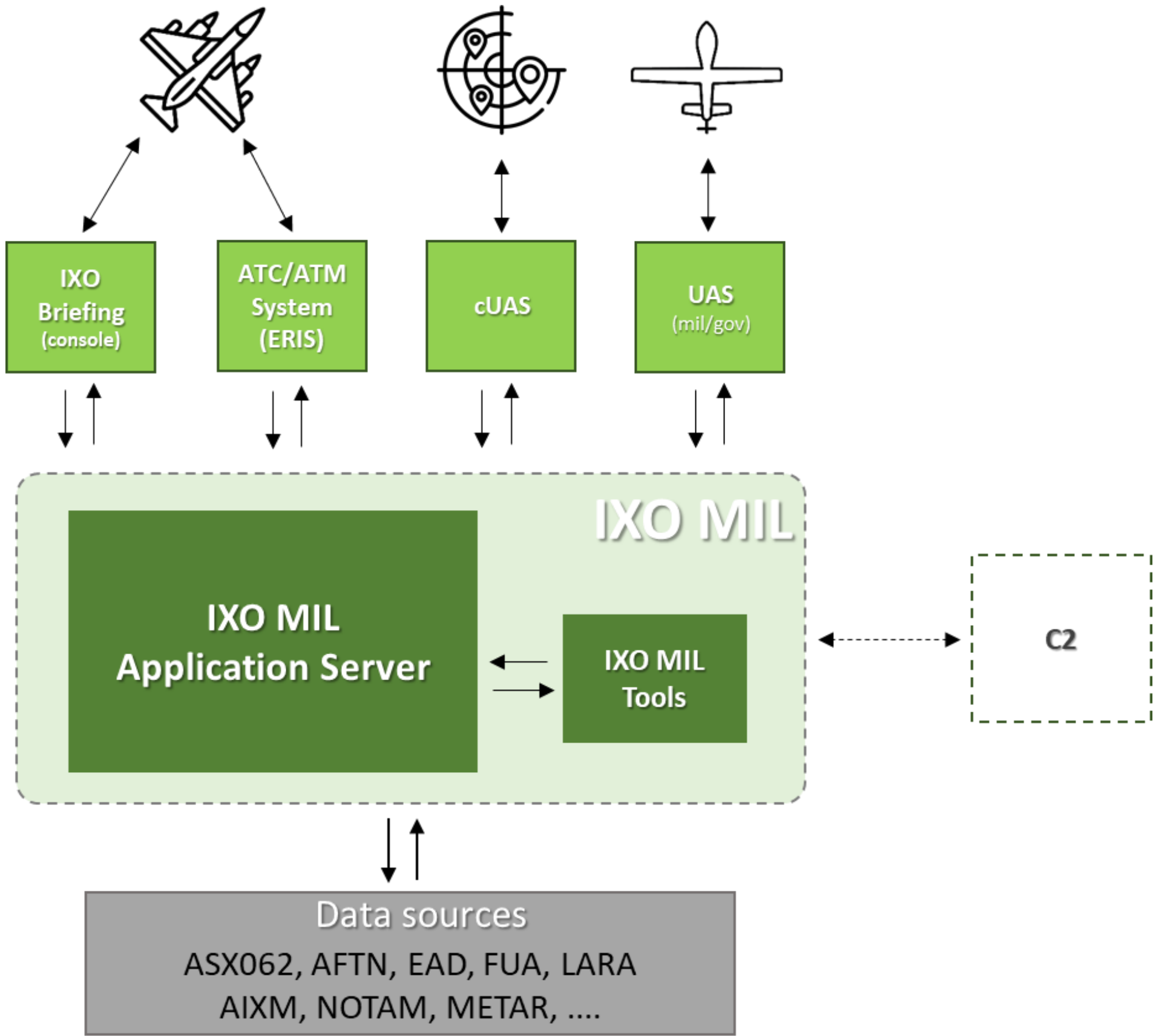
Scalability

Real-time (near real-time)

Multi-platform integration

Datalinks & standard protocols

Multi-source data fusion





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