



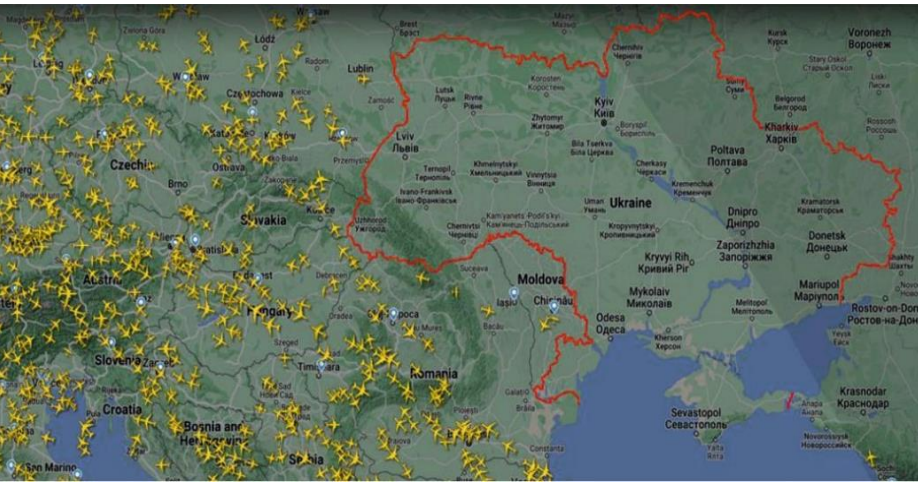
DANYLO HALYTSKYI INTERNATIONAL AIRPORT "LVIV"

PRESENTATION

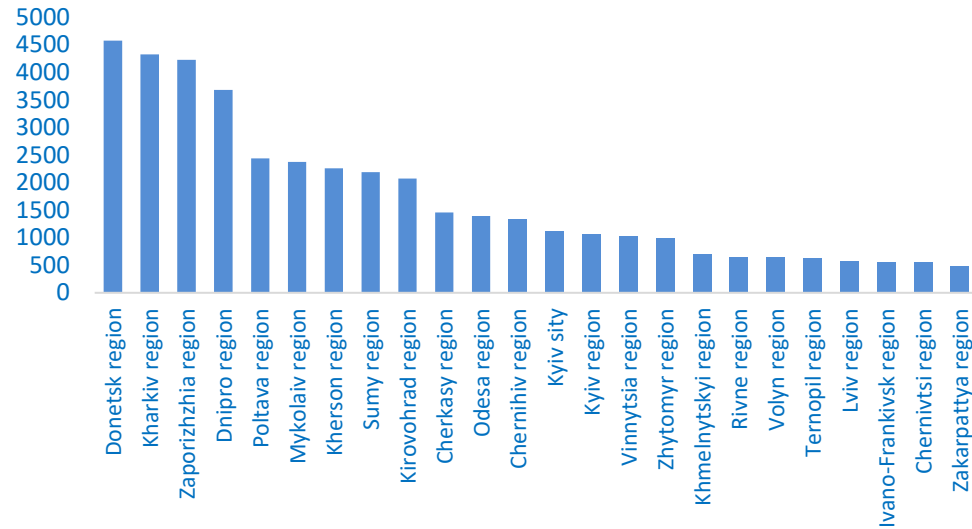


Airspace of Ukraine

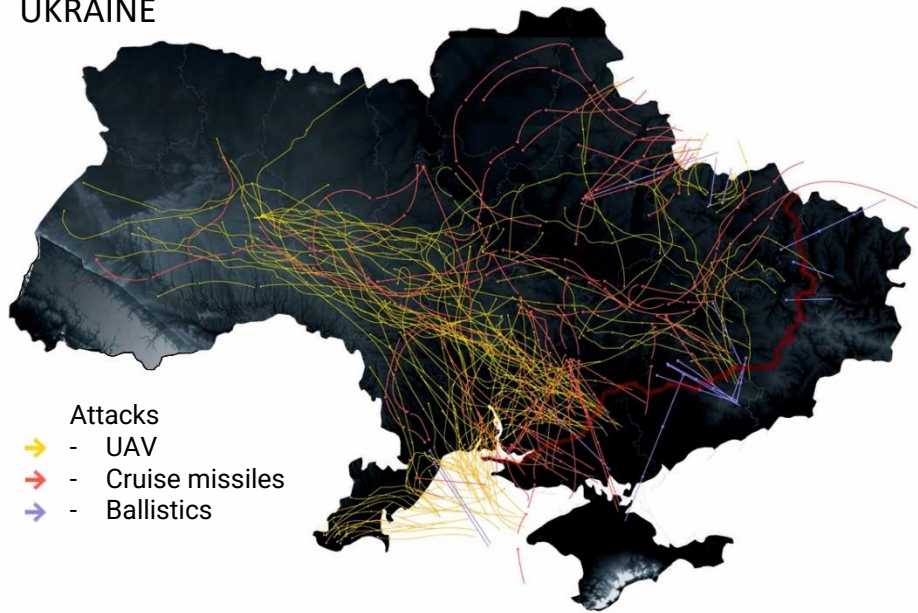
MAP OF AIRPLANE MOVEMENTS WORLDWIDE



NUMBER OF ALARMS IN REGIONS (24.02.2022-16.06.2024)



MAP OF RUSSIAN MISSILE AND UAV MOVEMENTS OVER UKRAINE



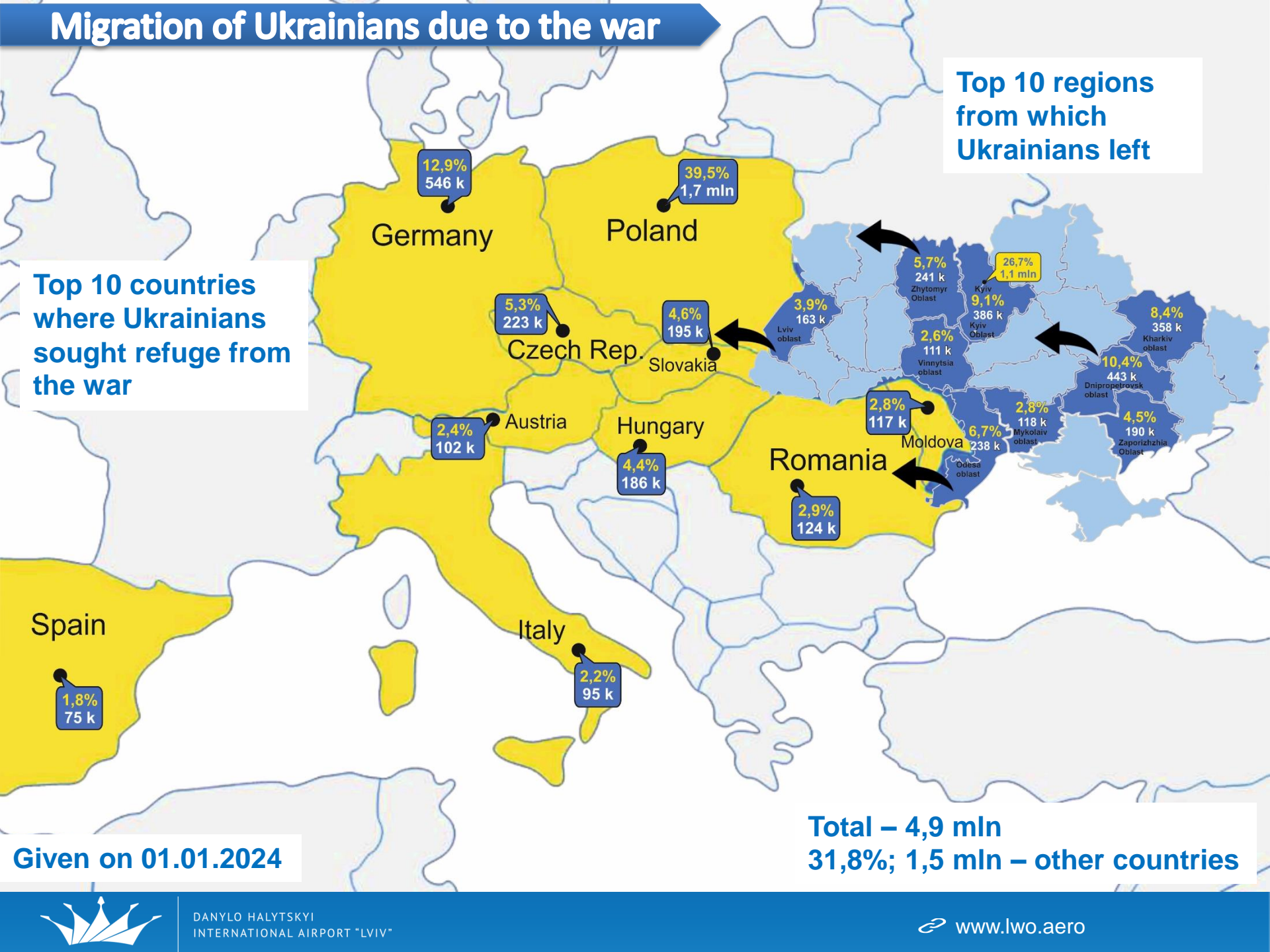
AIR ALERT MAP OF UKRAINE



Migration of Ukrainians due to the war

Top 10 regions from which Ukrainians left

Top 10 countries where Ukrainians sought refuge from the war



Total – 4,9 mln
31,8%; 1,5 mln – other countries

Given on 01.01.2024



Organizational documents & parties of risk assessment preparation



Doc 10084

Risk Assessment Manual for Civil Aircraft Operations Over or Near Conflict Zones

Third Edition, 2023



Approved by and published under the authority of the Secretary General

INTERNATIONAL CIVIL AVIATION ORGANIZATION



ICAO Doc 10084 Risk Assessment Manual for Civil Aircraft Operations Over or Near Conflict Zone.



The State Civil Aviation Security Program (Law of Ukraine 1965-VIII dated 21.03.2017) defines the main principles for ensuring aviation security.

State Aviation Administration of Ukraine (SAAU);



Ministry of Defense of Ukraine;



Security Service of Ukraine;



Ministry of Internal Affairs of Ukraine;



Units of the joint civil-military air traffic management system;




Aerodromes and air carriers.




Stages & the plan of Ukrainian air space partial opening under the marital state conditions

✂ Status

 Provide enhanced **protection of the airport infrastructure and air defence** of Lviv and Boryspil airports

 Conduct a **new geo-distributed threat assessment** for civil aviation about enhanced protection.

 Issue a **new NOTAM prohibiting airspace, excluding part of the airspace recognised as safe for civil aviation flights.**

 **Organise air navigation service in part of the Lviv FIR**

<input checked="" type="checkbox"/>	<p>RISK ASSESSMENTS - <i>assessment of the current security situation and protection needs.</i></p> <p> Authorised bodies: General Staff, State Aviation Administration, Security Service, other security, defence and law enforcement agencies</p>	Done
<input type="checkbox"/>	<p>ENHANCED PROTECTION OF AVIATION INFRASTRUCTURE <i>(with General Staff request)</i></p>	To be provided
<input type="checkbox"/>	<p>SAFETY CASE <i>a document on defining the basic principles for the safe provision of air navigation services</i></p> <p> Authorised bodies: State Aviation Administration, UkSATSE</p>	Done
<input checked="" type="checkbox"/>	<p>CONOPS <i>Functionality of airports in conditions of military risks</i></p> <p> Authorised bodies: Airports</p>	Done
<input type="checkbox"/>	<p>SAFETY CASE <i>This is to be agreed with FAA, EASA, EUROCONTROL, and IATA.</i></p> <p> Authorised bodies: State Aviation Administration, UkSATSE, Airports</p>	To be provided
<input type="checkbox"/>	<p>NEGOTIATIONS WITH INSURANCE, AIRLINES, LESSORS REGARDING THE PERFORMANCE OF FLIGHTS</p> <p> Authorised bodies: Ministry of Infrastructure, State Aviation Administration, Airports</p>	In progress



LWO catchment area and competing airports

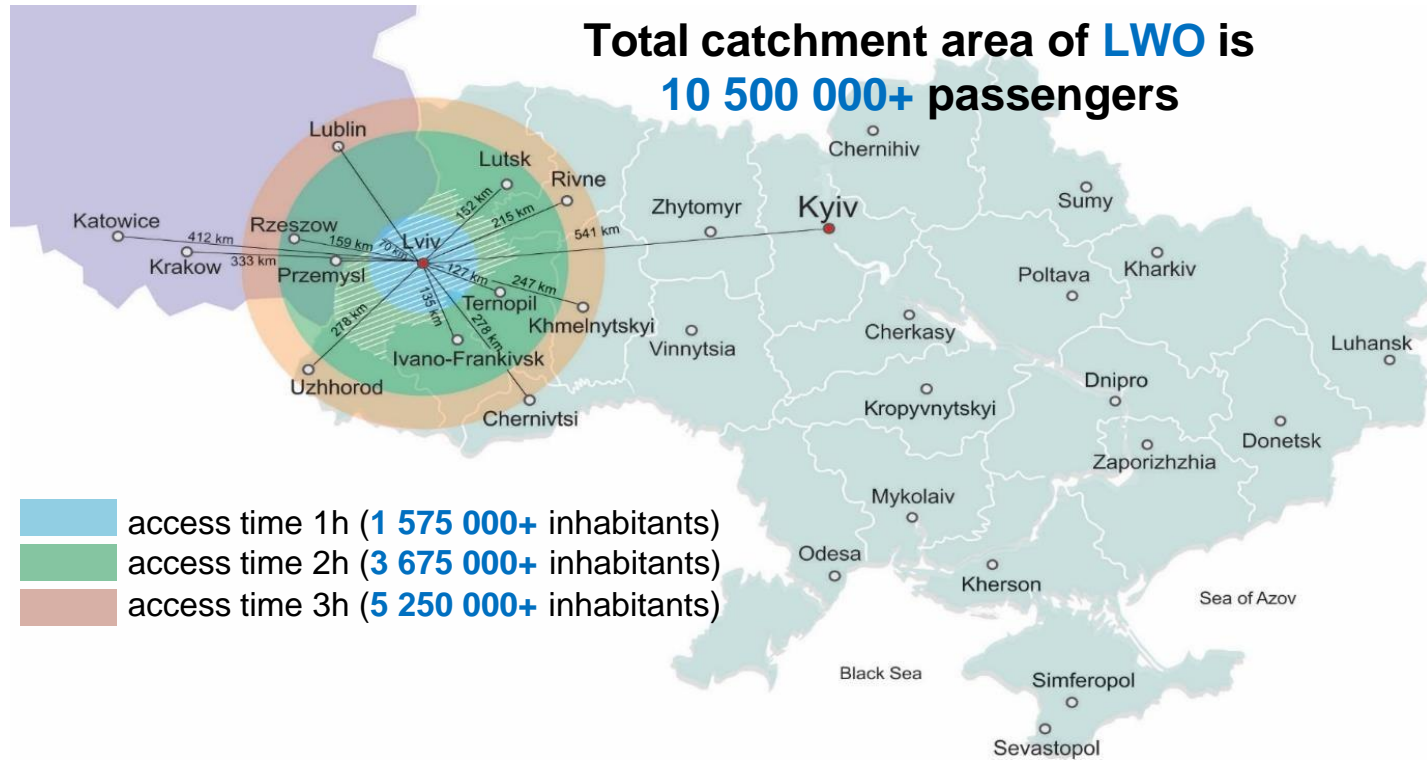
Competing airports in Ukraine

- Ivano-Frankivsk 134 km
- Uzhhorod 278 km
- Chernivtsi 278 km

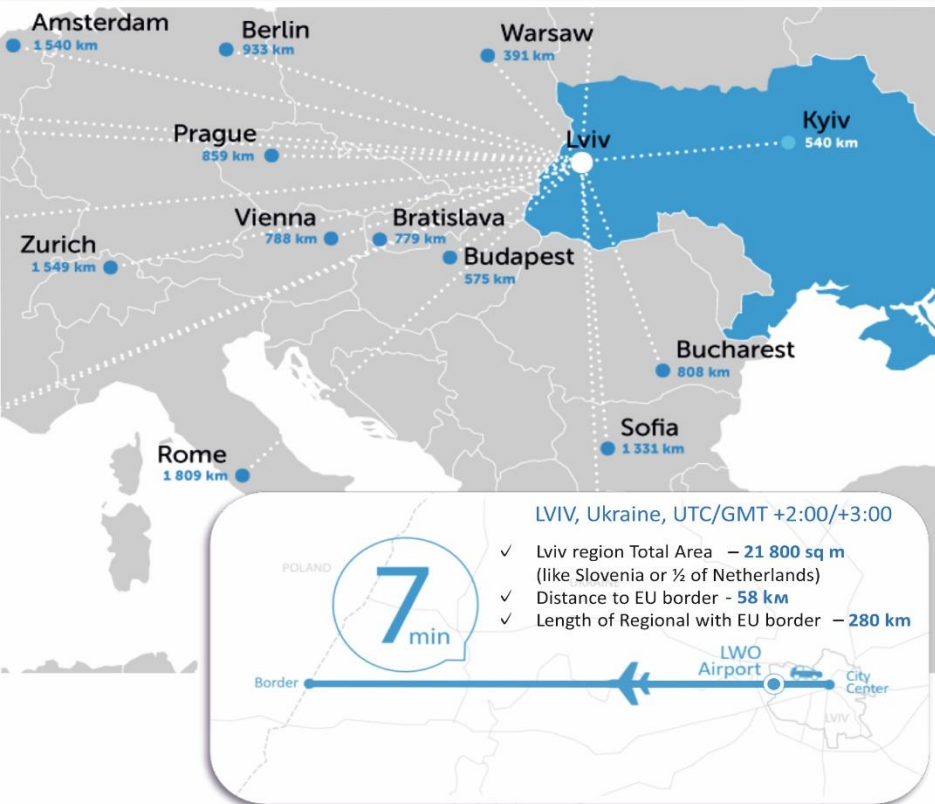
Competing airports in Poland

- Rzeszow 159 km
- Krakow 333 km
- Katowice 412 km

Total catchment area of **LWO** is **10 500 000+** passengers



Operational plan in conditions of increased risks (CONOPS)



Implementation of the procedures and measures necessary for the safe airport reopening and civil aviation flights handling for the period of military state and special period.

Designed on the basis:

- ✓ ICAO Doc 10084 Risk Assessment Manual for Civil Aircraft Operations Over or Near Conflict Zones, Third Edition;
- ✓ ICAO Crisis Management Framework Document – EUR Doc 031;
- ✓ Doc 9859 Safety Management Manual (SMM);
- ✓ Airport emergency plan;
- ✓ Civil protection plan.
- ✓ Instruction on assessment of the threat level to the civil aviation security No. 356

INITIAL PLAN

- ✓ Optimization of production capacities;
- ✓ Simultaneous handling of up to two flights per hour;
- ✓ Passengers' handling in the Terminal-1;
- ✓ Usage of self-maneuvering stands on the Apron "A";
- ✓ Passengers' evacuation to the shelter

STUDY/ TRIALS

- ✓ Working out the interaction between the airport departments and neighboring enterprises during the announcement of the training "THREAT"

SECONDARY PLAN

- ✓ Simultaneous handling of more than two flights per hour;
- ✓ Passengers' handling in the Terminal A;
- ✓ Usage of the air-bridges on the stands of the Apron "B";
- ✓ Passengers' evacuation to the shelter

STUDY/ TRIALS

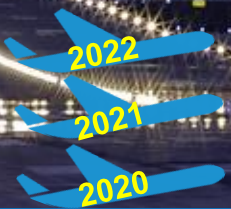
- ✓ Working out the interaction between the airport departments and neighboring enterprises during the announcement of the training "THREAT"

NORMAL OPERATION

- ✓ Military state and special period terminate



Route map and airlines



72 destinations	23 airlines
68 destinations	23 airlines
56 destinations	21 airlines

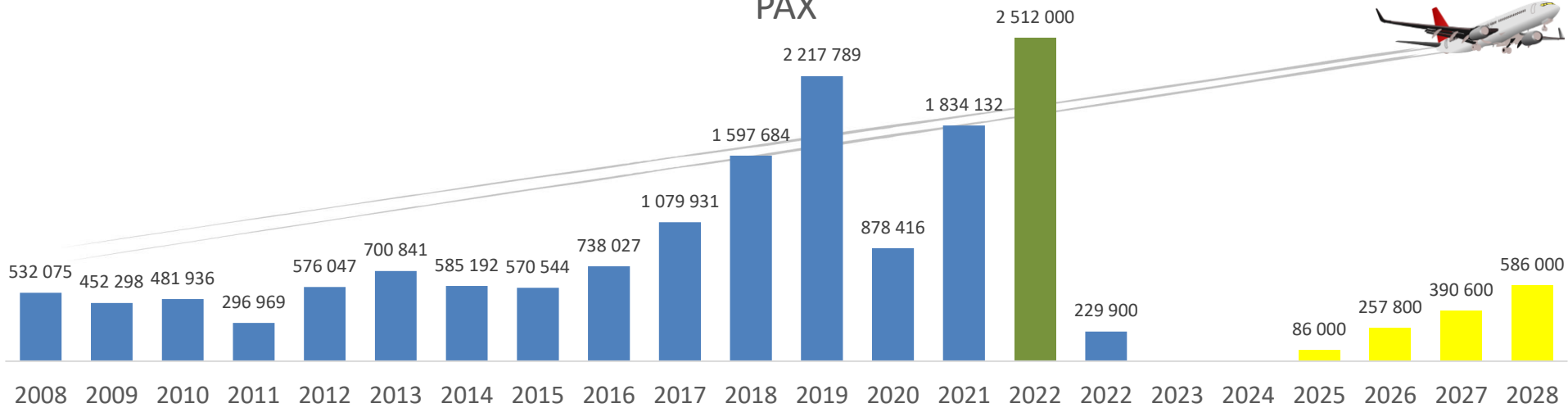


DANYLO HALYTSKYI
INTERNATIONAL AIRPORT "LVIV"

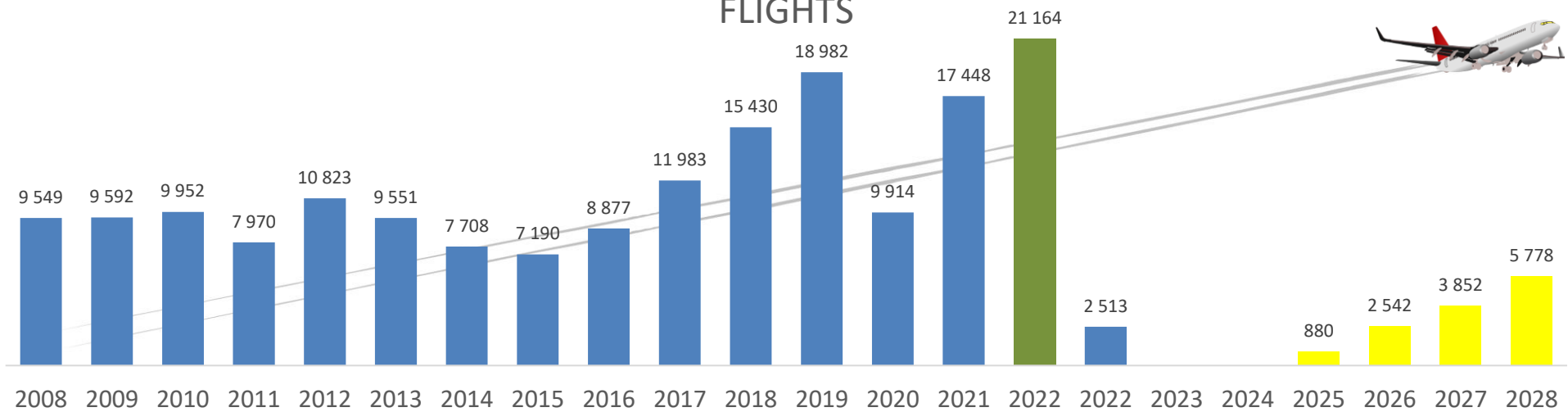
www.lwo.aero

Key operation results till 2022 year and traffic forecast after war

PAX



FLIGHTS

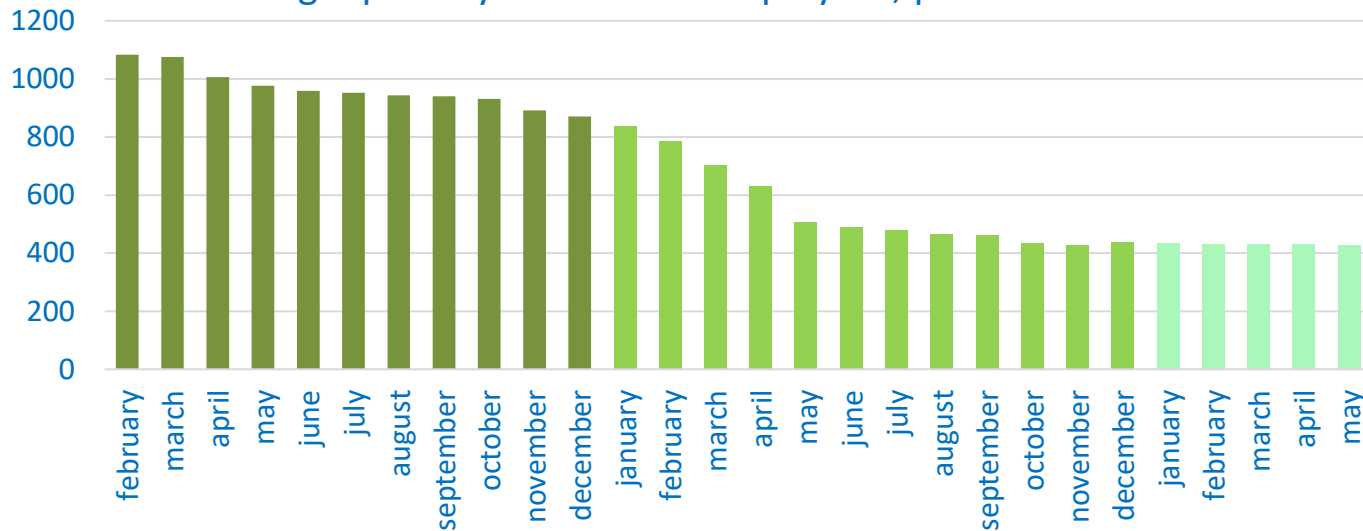


■ - fact
 ■ - forecast
 ■ - plan

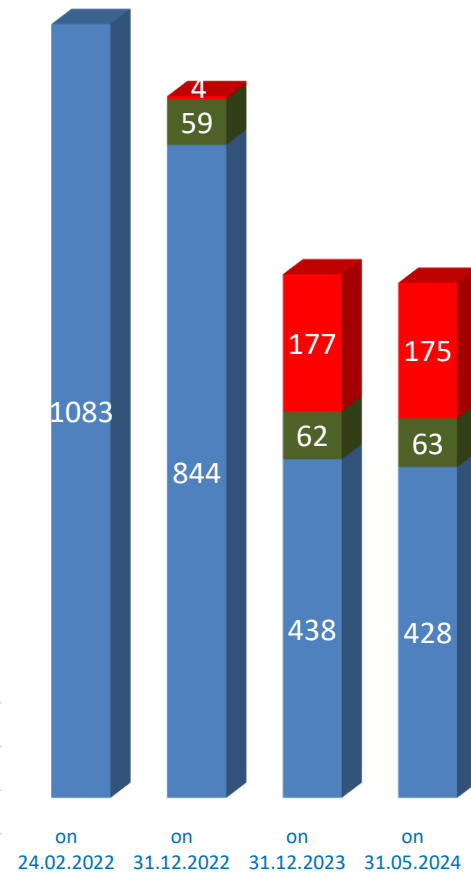
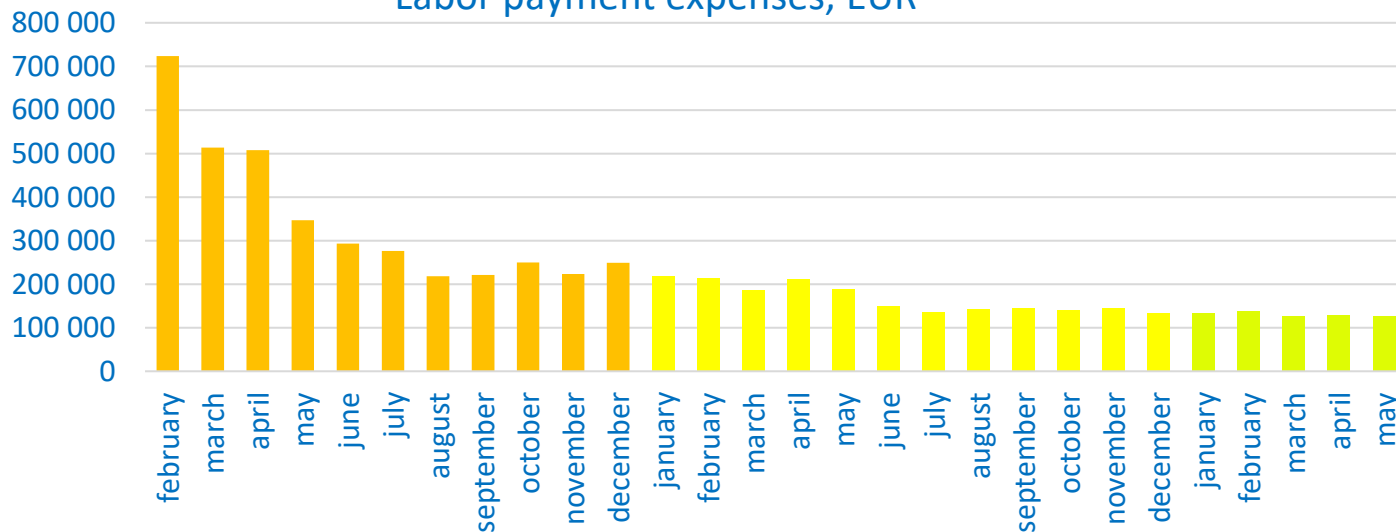


Labor optimization indicators (2022-2024)

Average quantity of full-time employees, person



Labor payment expenses, EUR



- The employment contacts is suspended, persons
- Mobilized, persons
- Average quantity, persons



Preliminary costs for rehabilitation

Average yearly
cash flow 4,0 M €



- Other operating costs
- Fuel and power supply
- Labor payment

Airfield
14,3 M €



- Anti-drone
- Perimetr system upgrade
- ILS
- Taxiway extension
- Runway upgrade
- Runway rehabilitation

Infrastructure
16,4 M €



- Shelved modernization
- Cargo terminal
- Explosion detection systems
- BHS and screening machines



Airlines list, ready for air traffic recovering

WINDROSE
AIRLINES

airBaltic

RYANAIR

Wizz
wizzair.com

POLISH AIRLINES
LOT

TURKISH AIRLINES

Lufthansa

Austrian

SWISS



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