



PERMITS to Fly is the tool for automating the more repetitive and routine tasks in the area of aviation approvals. System creates complete application for permits, manages the flow of information. It keeps team constantly updated.

It's the first step to less paper office in aviation industry.
It's easy way to smooth and safe permits process digitalization.
We understand employees fear.

Let us lead them through this evolution towards digital era of aviation.



PROBLEM

When passengers are sitting in their seat the aircraft is crossing many national borders, a few days before some approvals coordinator had to obtain permits to cross these borders . You can compare permits with visas in your passport.

The process of obtaining permits is manually. Repetitive tasks, pressure, and stress increase the possibility of human error.

WAW-SIN

18

permits for every flight

Route
Warsaw WAW - Singapore SIN

One main route – most efficient for airlines / air carriers.

Alternate routes – these routes are maintained to guarantee the carriage of the passengers or cargo according to the schedule when the main route is closed (due to ad hoc problems on the main route).



PROBLEM



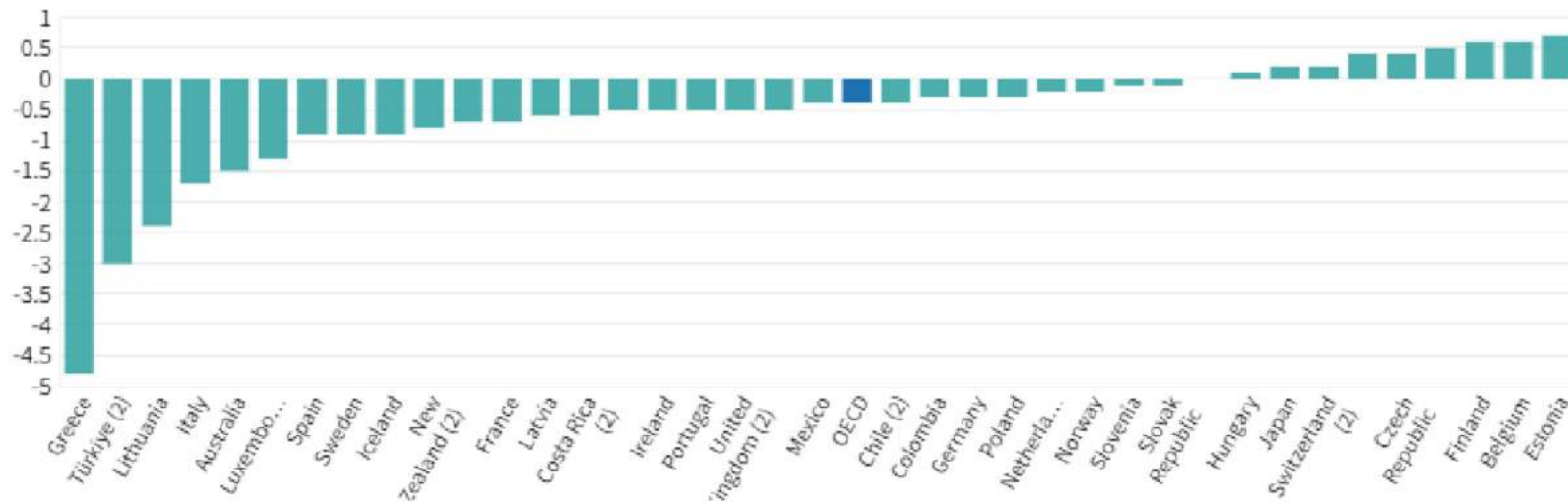
80
aircraft
in the fleet of
a medium size airline

9000 pcs
multipage documents*

* annually

Problem

Change in unemployment rate for OECD countries, Sep 2022 compared with Feb 2020, percentage points



Source: OECD (2022) [Short-Term Labour Market Statistics \(Database\)](#).

(1) For Costa Rica, Chile, and Türkiye change between February 2020 and August 2022; for the United Kingdom, change between February 2020 and July 2022; for Switzerland, change between fourth quarter 2019 and second quarter 2022; for New Zealand, change between fourth quarter 2019 and third quarter 2022.



COVID19

redundancies

4.8mln aviation market

1.3mln airlines

220k ground operations

3.2mln airport services

150k ATC

PROBLEM

size of indemnity &
capacity of aircrafts



300K €

A380

248 aircrafts
500-800 pax

216K €

B747

660 aircrafts
360-440 pax

210K €

A350

450 aircrafts
350 pax

150K €

B787

1011 aircrafts
250-330 pax

130K €

B767

1012 aircrafts
218-269 pax

http://www.ulc.gov.pl/_download/wiadomosci/2018/

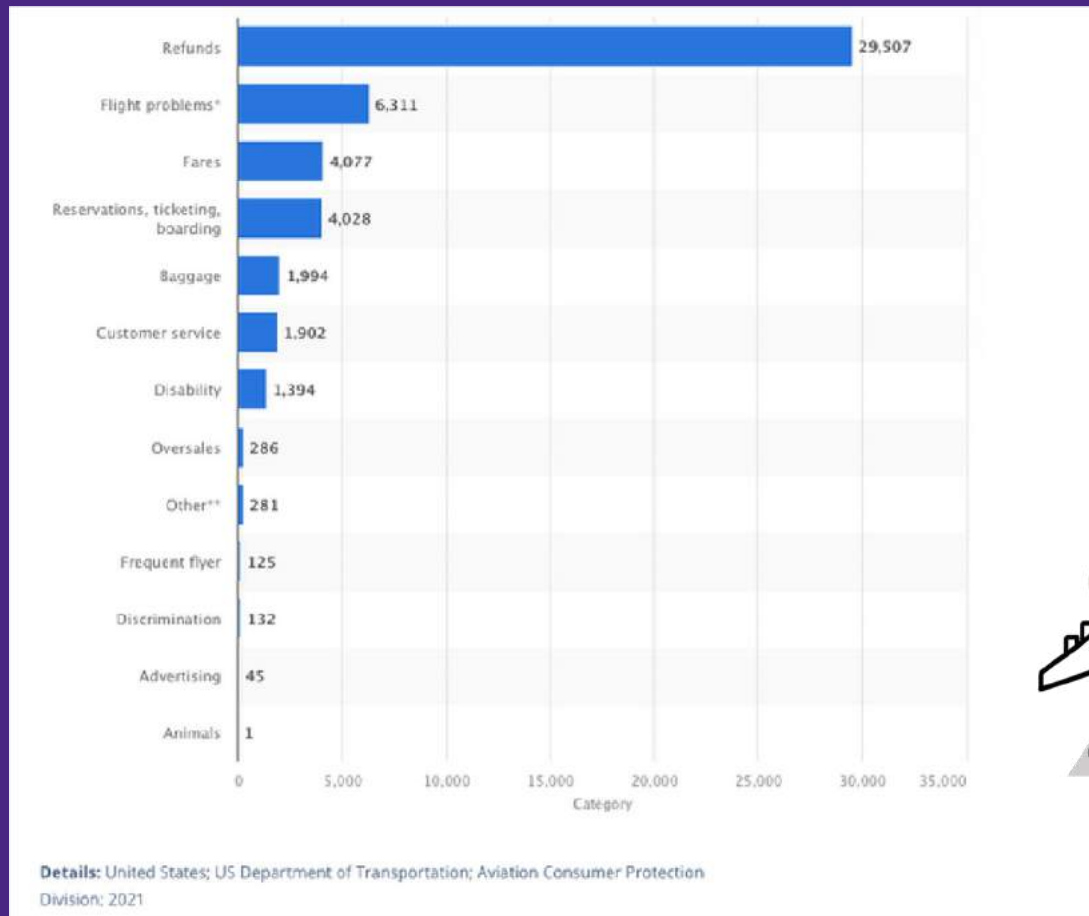
Rozporządzenie (WE) nr 261/2004 PARLAMENTU EUROPEJSKIEGO I RADY z dnia 11 lutego 2004 r.

USA

the market of compensation

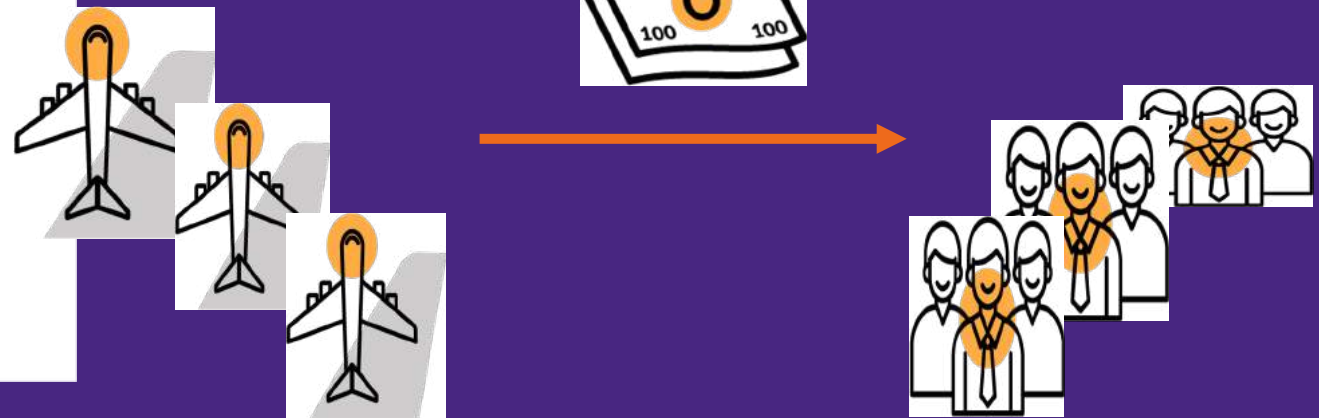
60 billion* \$

one year



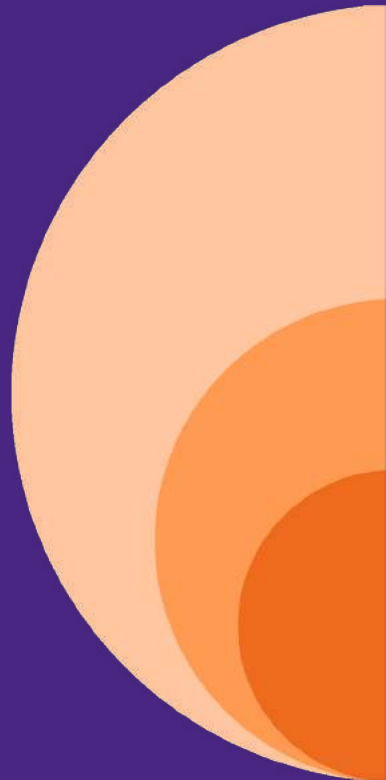
flight problem complaints are 3 times more than baggage complaints

*USA



Market

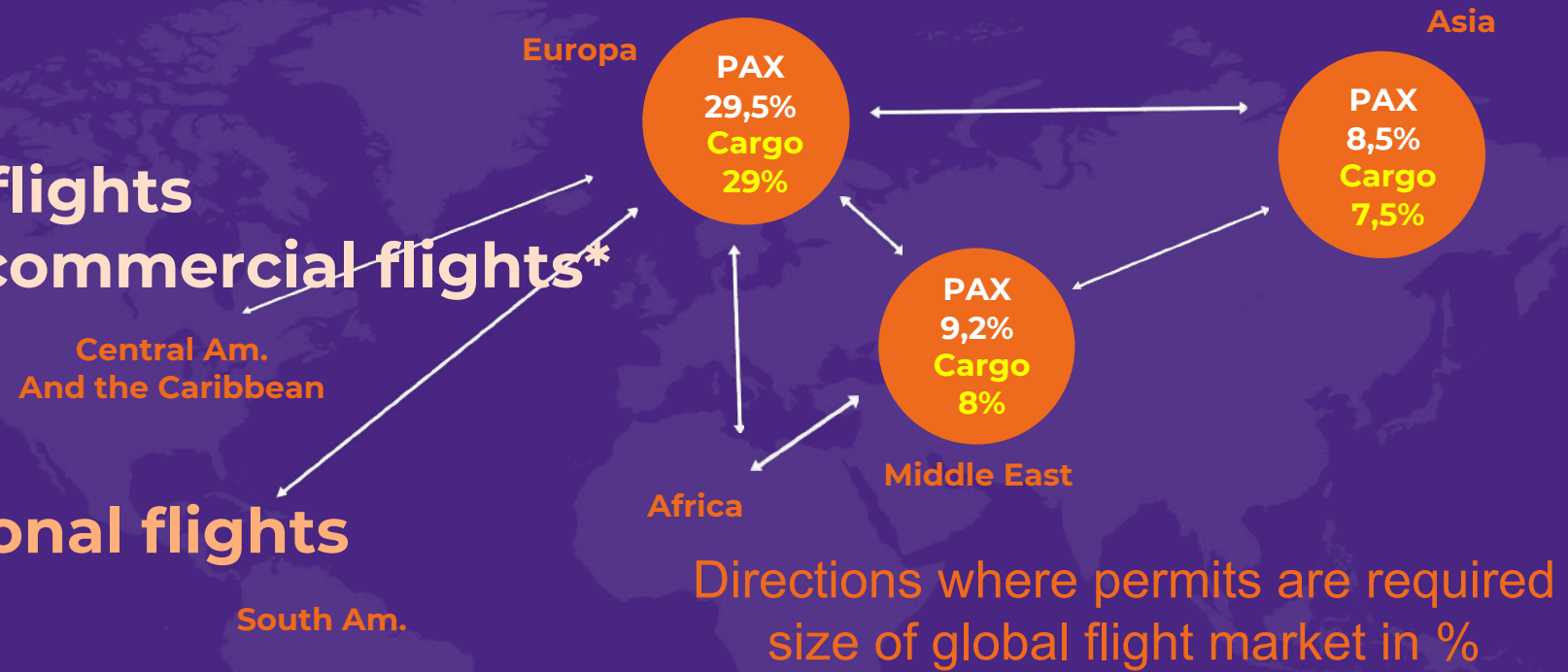
number of flights – per day



TAM
200 000 flights
100 000 commercial flights*

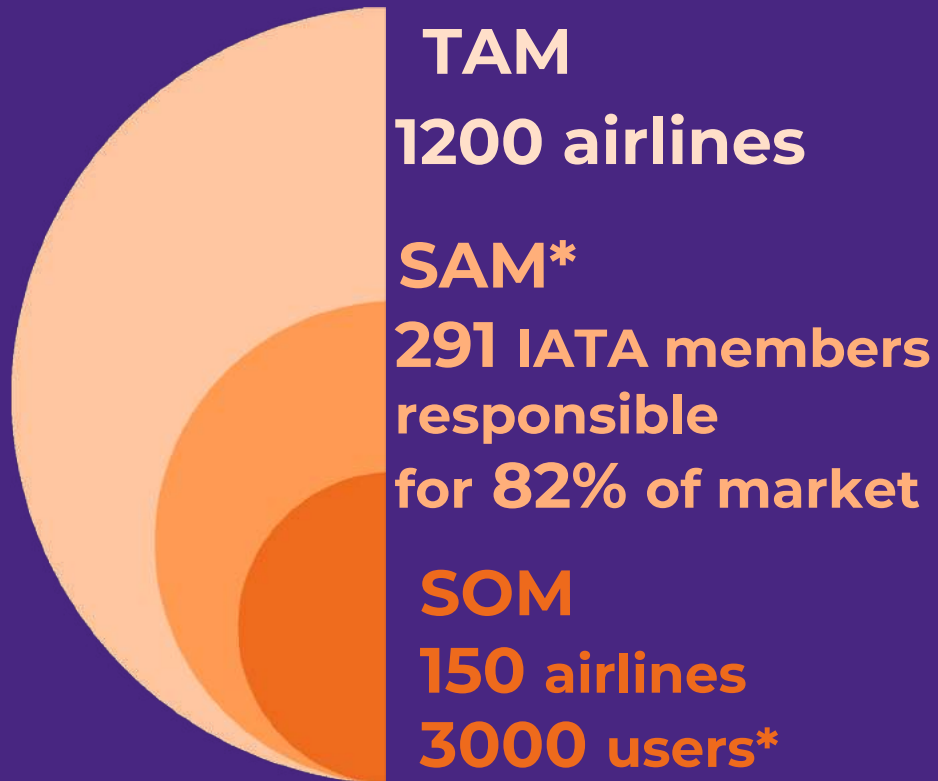
SAM
64 %
international flights

SOM
250 000 permits



*number of flights :2019-39mln, 2018-38mln, 2017-36mln www.statista.com airlines-industry-number-of-flights

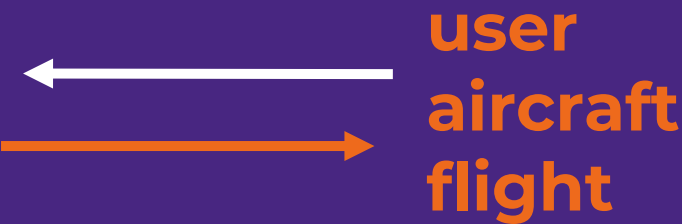
Market



* www.iata.org Economic Performance of the Airline Industry, 2021 End-year report, 2019 Mid-year report * flights and aircrafts market will be presented during the presentation

Business Model

SaaS



user
aircraft
flight

35mln € revenue in 2027

64% gross margin



Competition - indirect



Employees
manual process

Agencies
manual process

0,12€

1,2 - 3,8€

6 - 200€

2 min

30 - 360min

30 - 60min

Communication



**INTERNATIONAL
ORGANISATION**

**DIRECT MEETING
on/off line**

EVENT FARE



**EXPERT
GROUPS**



SOCIAL MEDIA



WWW

**channels
of business
communications**

Sales contacts



Time to market



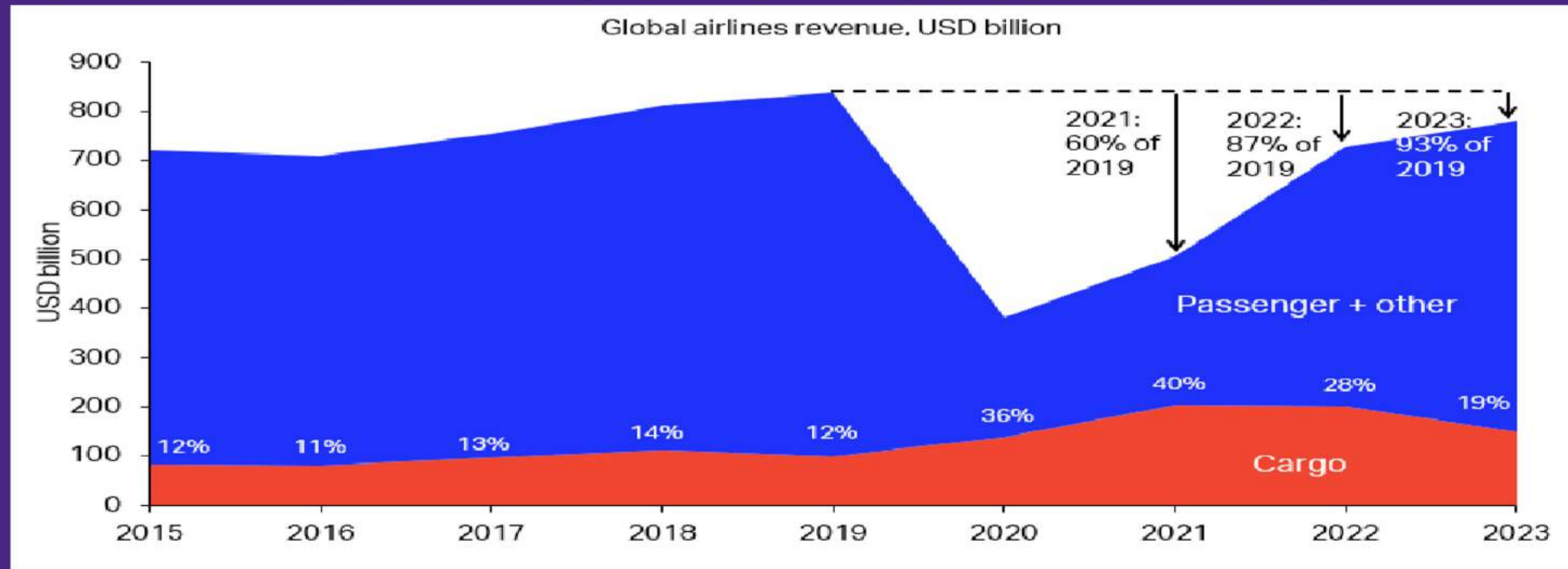
COVID19 impact, attempts to restore size of market and labour shortage of the operational personnel

COVID19 redundancies **4.8mln** aviation market

IATA Economics' Chart of the Week

16 December 2022

2023 to bring further pax recovery but softer cargo



Source: IATA Economics

Time to market

next steps for  **PERMITS** to Fly

DRONE industry needs permit to fly

We look at top-down forecasts for drone deliveries and expenditure and analyse the drivers for more complex services supported by UTM systems across the world. We take a deep dive into the regulations and standards, identifying where and how these are accelerating UTM deployments or, in many cases, holding them back.”

The global UAS traffic management (UTM) market during 2023-2027 will be worth USD2.6 billion, with annual expenditure rising from USD263 million in 2023 to USD827 million in 2027, according to the latest edition of *Unmanned Airspace's The Market for UAV Traffic Management Services – 2023-2027*. This is a considerable increase to *Unmanned Airspace's* previous forecast of USD1,999 million, for the years 2022-2026, published in July 2022

Read More at: <https://www.unmannedairspace.info/latest-news-and-information/new-unmanned-airspace-report-delays-to-utm-implementation-threaten-uam-business-plans/>

BUSINESS AVIATION industry needs permit to fly

The global connected aircraft market is projected to grow from \$3.45 billion in 2022 to \$16.58 billion by 2029, at a CAGR of 25.14% in forecast period

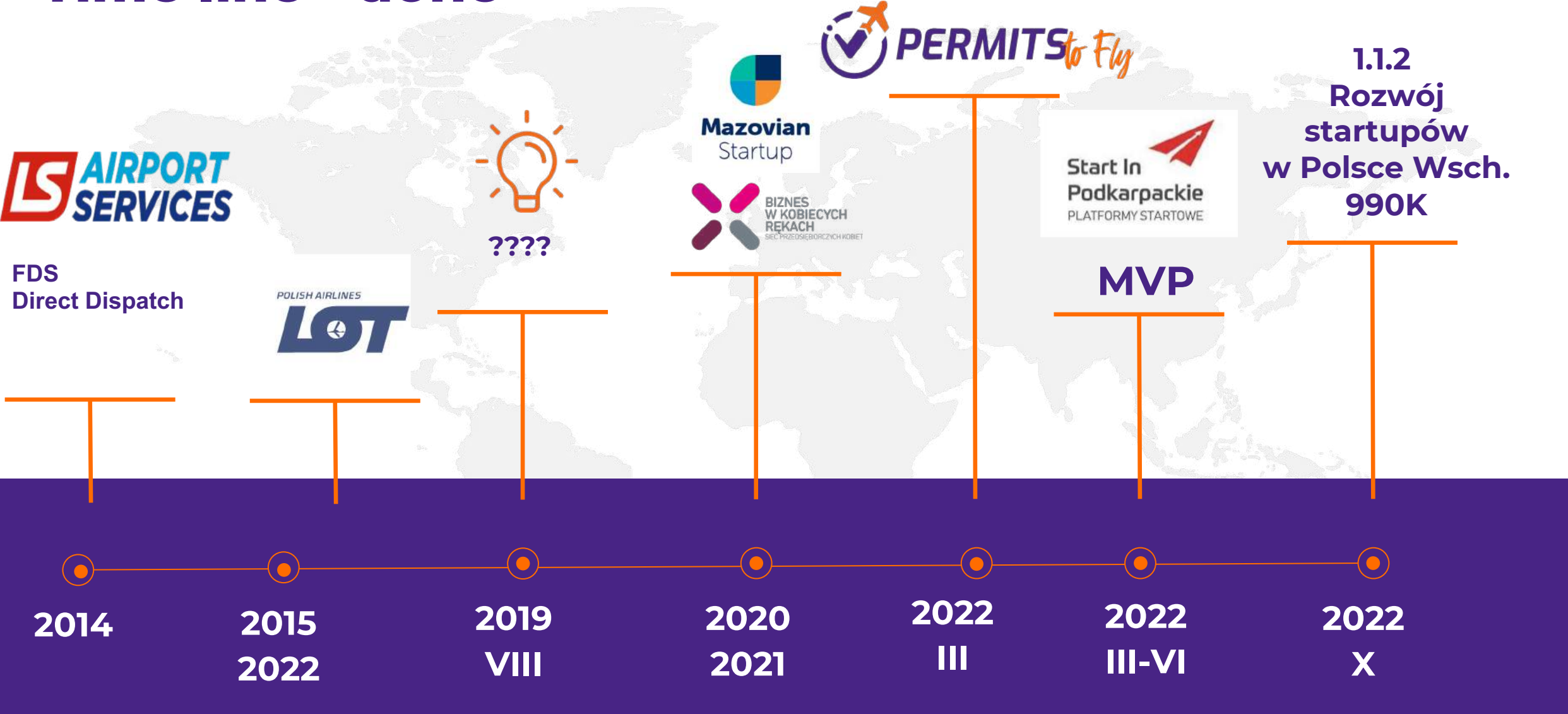
Read More at: <https://www.fortunebusinessinsights.com/industry-reports/connected-aircraft-market-101954>

GENERAL AVIATION industry needs permit to fly

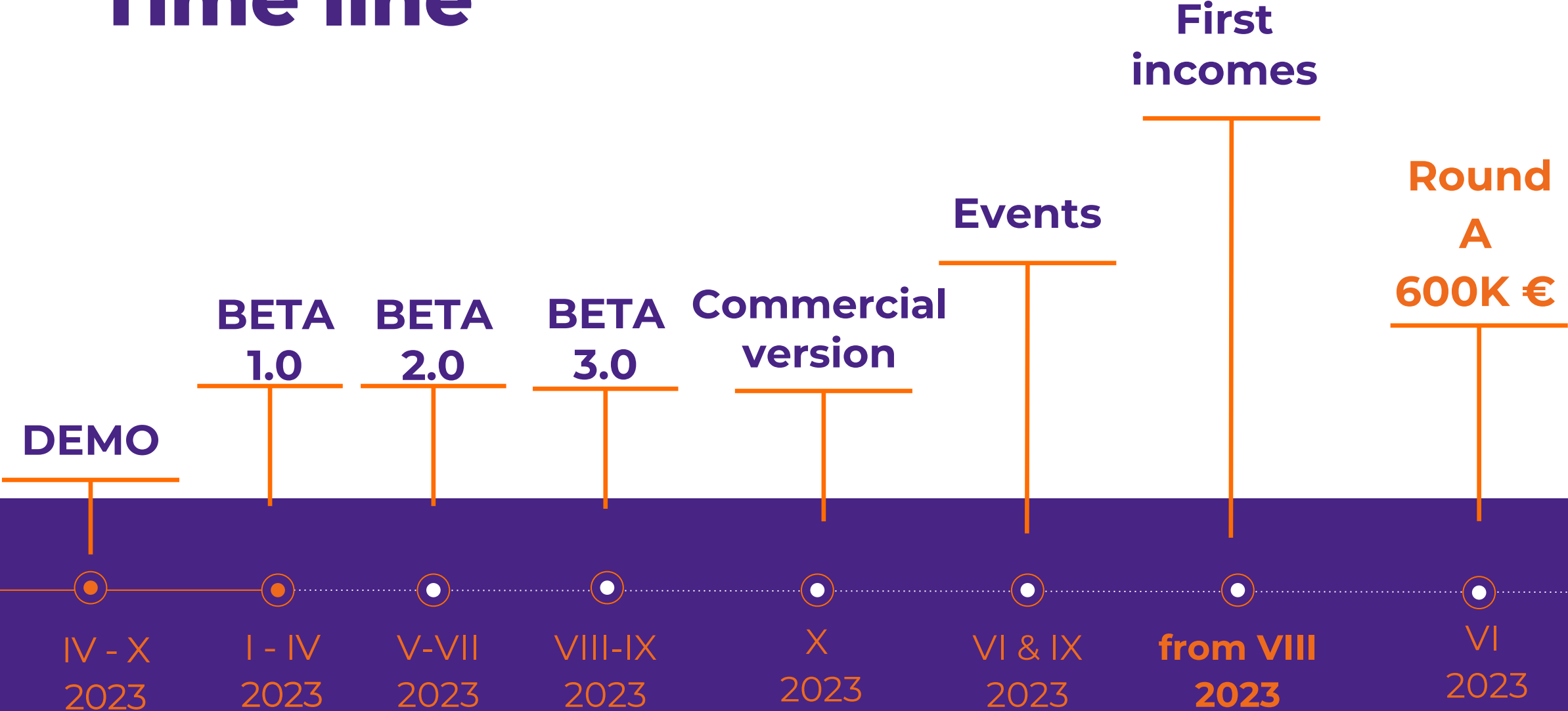
In sheer numbers GA/AW is impressive: Approximately **350,000 aircraft and 700,000 pilots** are involved in these activities worldwide. On balance, roughly 60,000 aircraft and 400,000 pilots are employed in commercial air transportation (including cargo and charter).

Read More at: <https://www.iaopa.eu/what-is-general-aviation>

Time line - done



Time line



Team - we are the aviation



FOUNDER

CEO

Ewelina Szawlis

experience

8 years aviation

16 years business



CTO

Joanna

Kaczanowska

experience

17 years aviation

4 years IT



PM IT

Paweł Sudorów

experience

10 years IT

SALE AGENTS

Marketing team

Legal support

Accounting

**Mentors IT, managing,
finance**

IT team

- 3x backend developer
- 2x full stack developer
- 1 x frontend developer
- 1 x mobile developer
 - 1 x QA tester
- 1 x project manager
 - 1 x architect

Name of program is the best keywords for process

The screenshot shows a Google search for "permits to fly". The search bar contains "permits to fly". Below the search bar, there are several "People also ask" questions:

- What is the validity period of a permit to fly?
- How do I get CAA permission?
- Can I fly my own plane to Europe?
- What is included in the certificate of airworthiness?

The search results include:

- <https://www.ulc.gov.pl> › 4348-tempo... › Translate this page
Temporary permit to fly by a foreign aircraft with
Temporary permit to fly by a foreign aircraft without a valid Certificate of Airworthiness. Concerns: Permission to enter and conduct non-commercial flights
- <https://www.ulc.gov.pl> › 433-tempor... › Translate this page
Temporary Permit to Fly - FPR - Urząd Lotnic
Temporary permit to fly by a foreign aircraft without a valid Certificate of Airworthiness. 20.10.2022 ...
- <https://en.wikipedia.org> › wiki › Flight_permit
Flight permit - Wikipedia
Flight permits are permits or permission required by an aircraft to make a technical stop in any country's airspace.

The search results also include a snippet from <https://www.pprune.org> › ... › Private Flying ›
EASA permit to fly conditions? - PPRuNe Forums
Oct 24, 2015 — Private Flying - EASA permit to fly conditions? - Does anyone know what the typical wording for the permit conditions on an EASA enduring ...

Related searches:

- permit to fly easa
- ferry flight permit
- caa permit to fly
- certificate of fitness for flight
- permit aircraft flying abroad
- permission to fly drone
- overflight permit
- easa form 37

At the bottom, there is a Google logo and navigation links: Previous, 7 8 9 10 11 12 13 14 15 16, Next.



**Registration mark
018721444 – 14/10/2022**

**Patent pending EU
11/08/2023**



www.permits.aero

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**Fundusze
Europejskie**
Polska Wschodnia



**Rzeczpospolita
Polska**

Unia Europejska
Europejski Fundusz
Rozwoju Regionalnego



SFL Sp. z o.o. realizuję projekt pt., PERMITS to Fly - innowacyjne oprogramowanie wspierające przemysł transportu lotniczego”.

Celem projektu jest wdrożenie na rynek innowacyjnego oprogramowania automatyzującego przygotowanie i wysyłkę dokumentacji do uzyskania zgód przelotu i lądowania.

Całkowita wartość projektu: 1 229 730,19 PLN Wysokość dofinansowania z Funduszy Europejskich: 990 813,55 PLN