

BURDI demonstration

U-space Digital Sky Demonstrators, Brussels, 24 October 2025

The USSP platform at work

Our customer



INFRABEL



HELICUS



FLYING-CAM
Airborne Intelligence



DRONEMATRIX
DRONE SERVICES



Skyports

The USSP platform at work

Our customer



Geozone
information

GAS

***Our
USSP
platform***

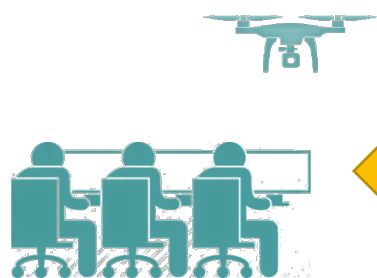


sCISP

Powered by
UniFLY
enabling autonomous aviation

The USSP platform at work

Our customer



Flight plan
authorisations

FAS

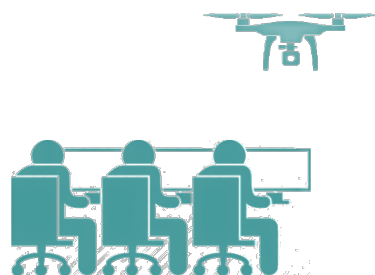
*Our
USSP
platform*



Powered by
UniFLY
enabling autonomous aviation

The USSP platform at work

Our customer



Own identification
& location data

NIS

***Our
USSP
platform***

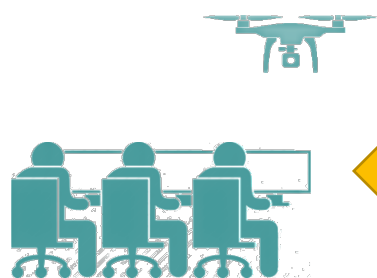


RoW

Powered by
UniFLY
enabling autonomous aviation

The USSP platform at work

Our customer



Traffic information

TIS

*Our
USSP
platform*

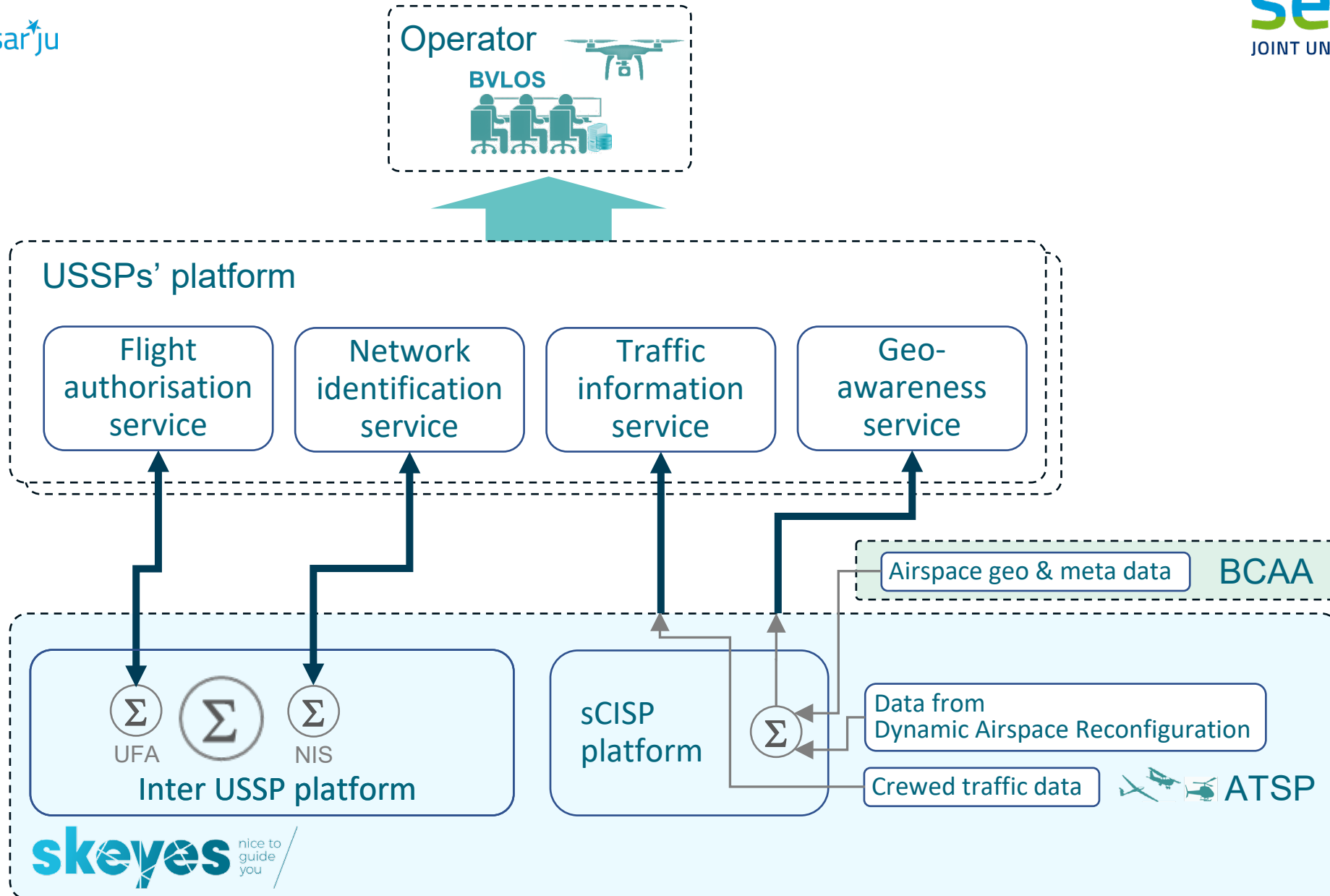


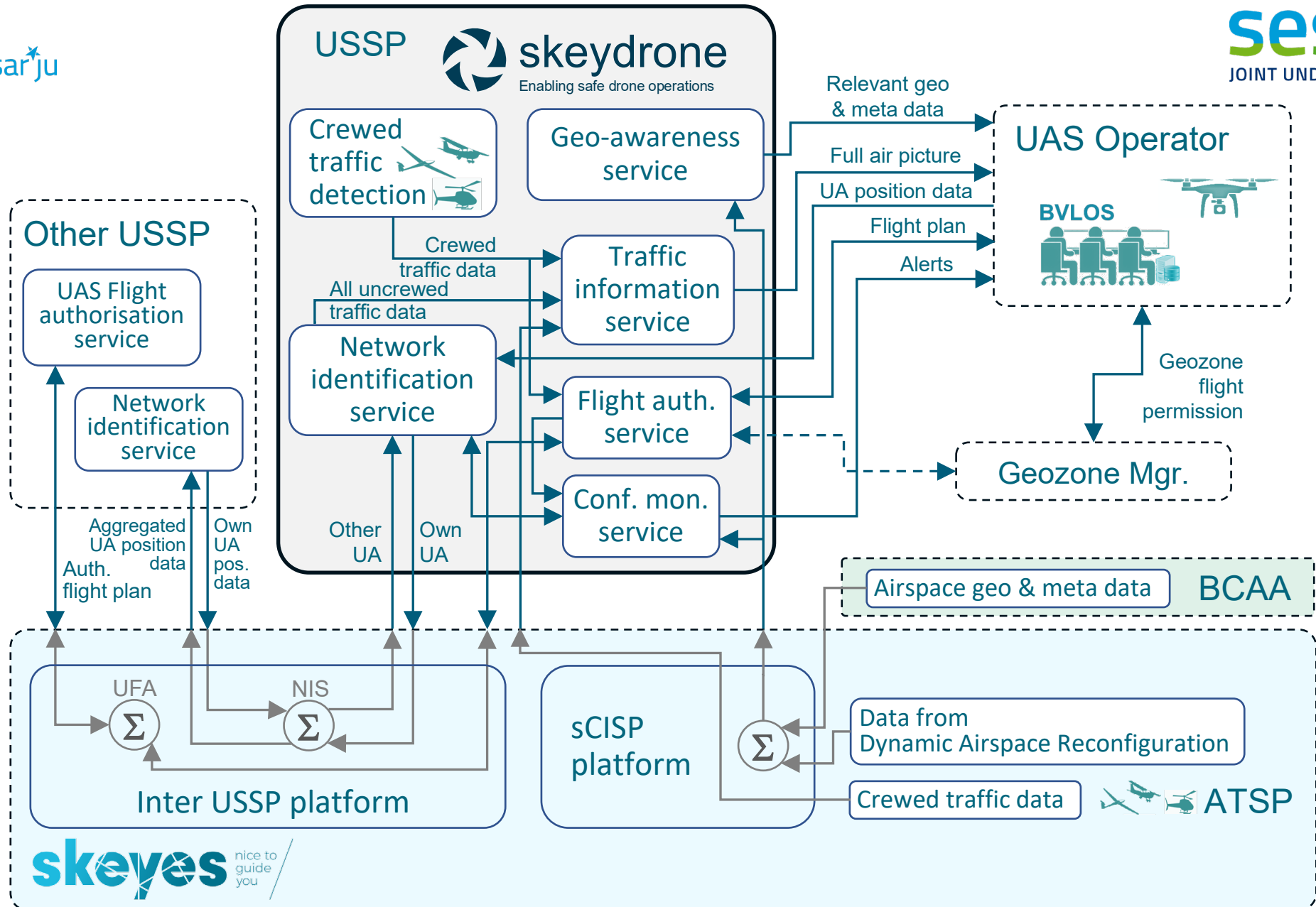
Powered by
UniFLY
enabling autonomous aviation

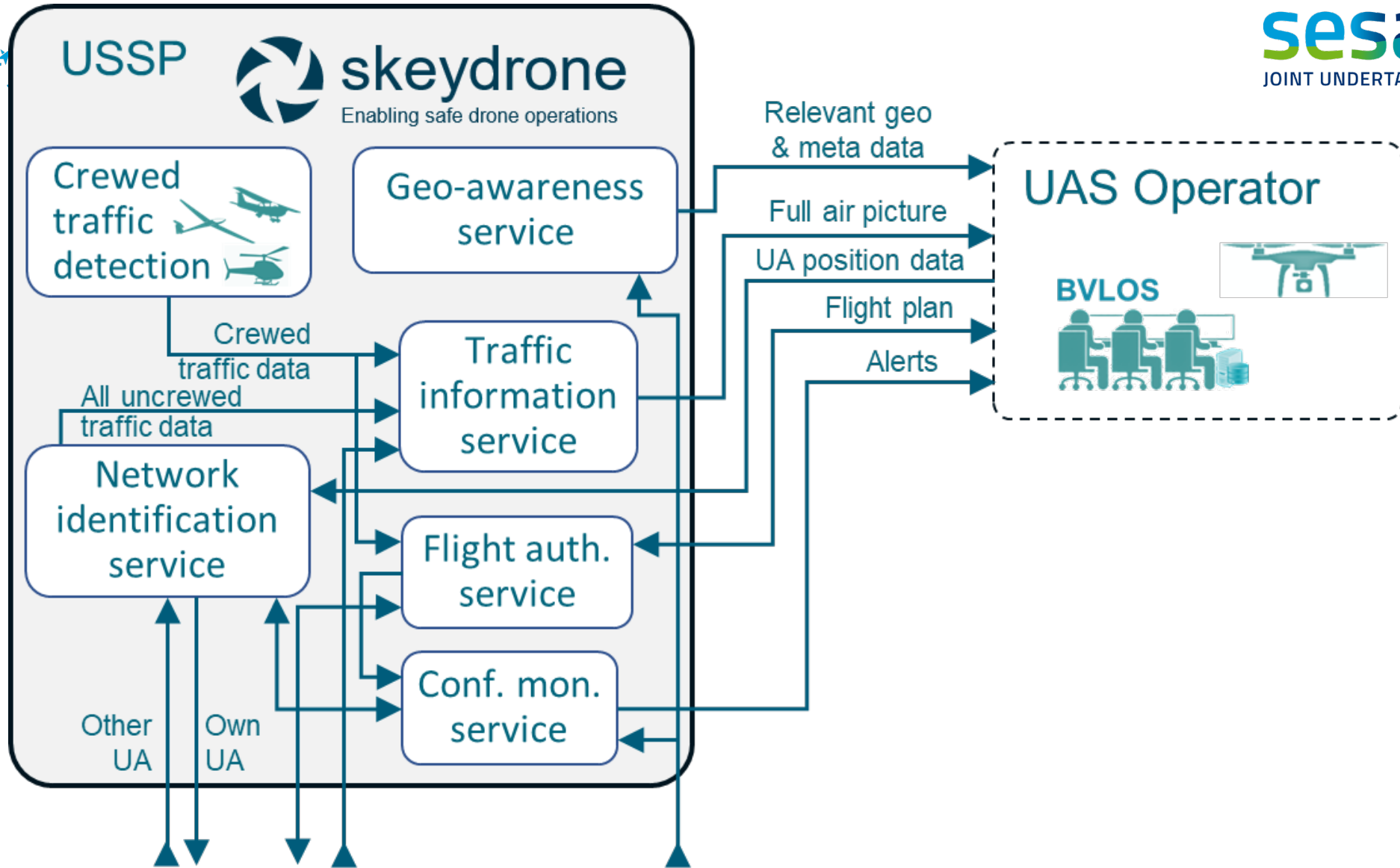
sCISP
Controlled
airspace

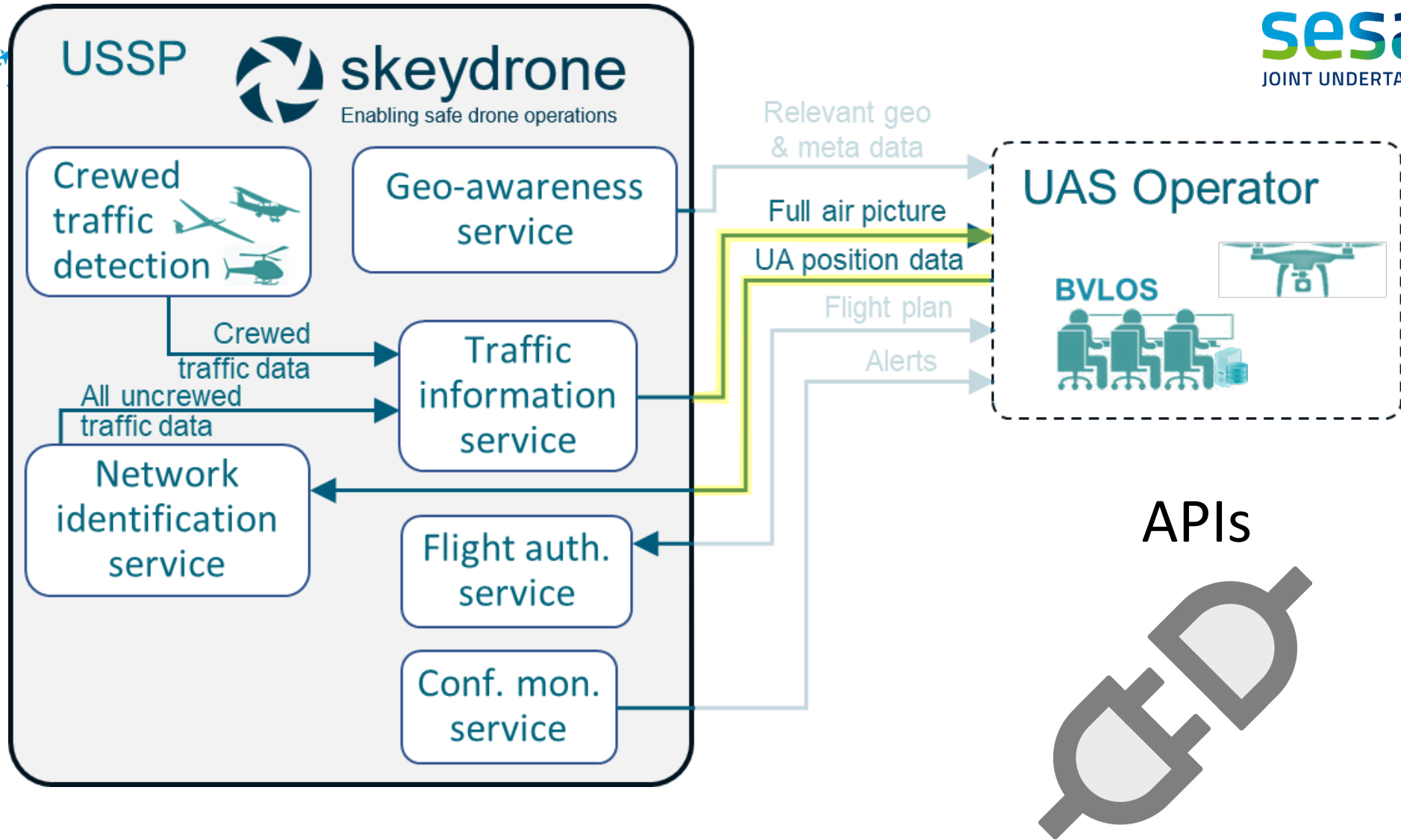
Own infra

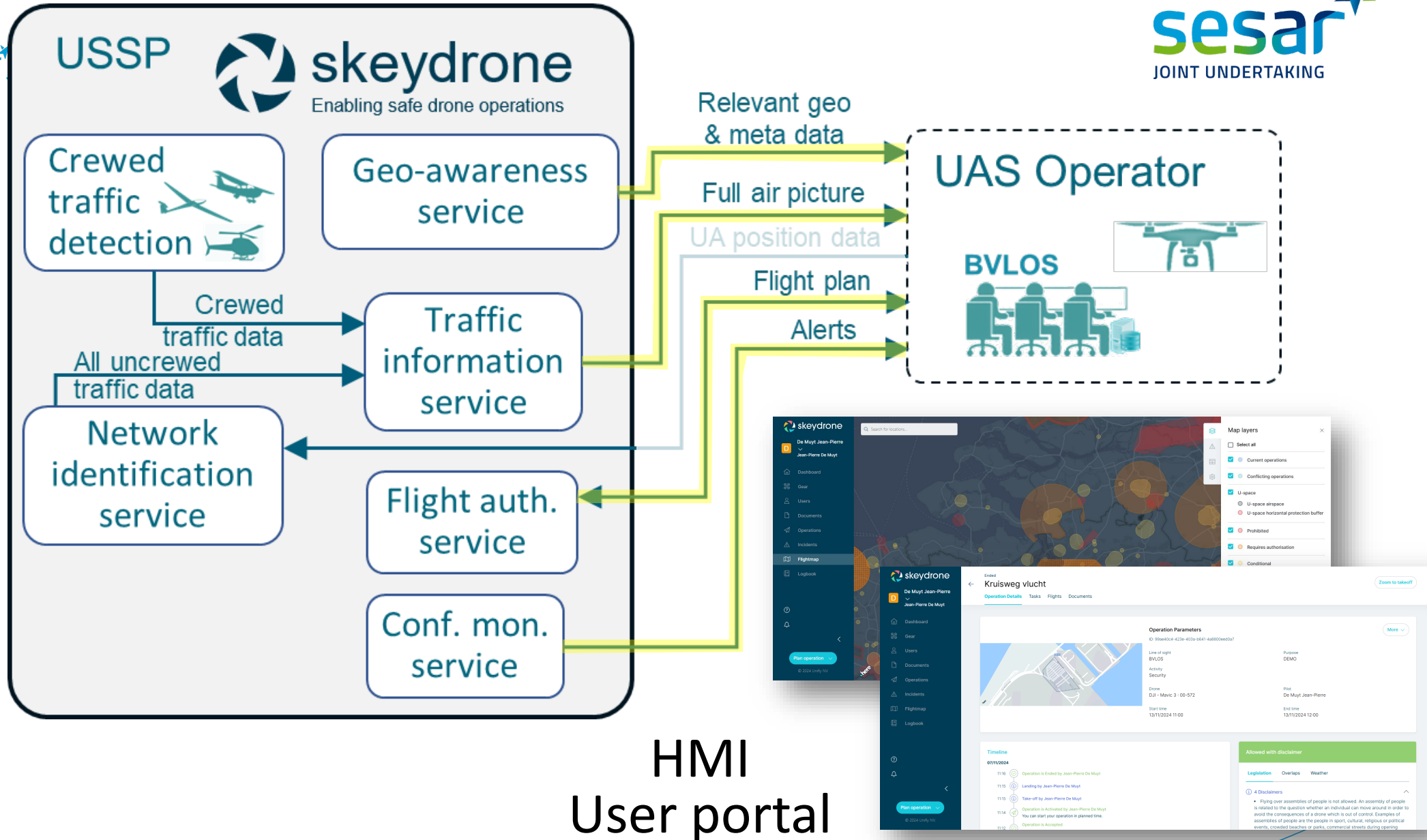
Other
USSPs













D

De Muyt Jean-Pierre

▼

Jean-Pierre De Muyt

Dashboard

Gear

Users

Documents

Operations

Incidents

Flightmap

Logbook

?

Plan operation ▼

© 2024 Unify NV.

Search for locations...

X

Selected Location

Ghent-Gothenburg, 9000 Ghent, Belgium

51.164475°, 003.791838°

GHENT HARBOUR (R55)

Geozone type

Restricted airspaces

Lower limit

GND

Upper limit

304.8 m AMSL

Restrictions

Restriction type

Prohibited

Address

Address

Unify

Postal

2100

City

Antwerp

Contact

First name

John

Mobile

+3234460100

Email

info@unify.aero

URL

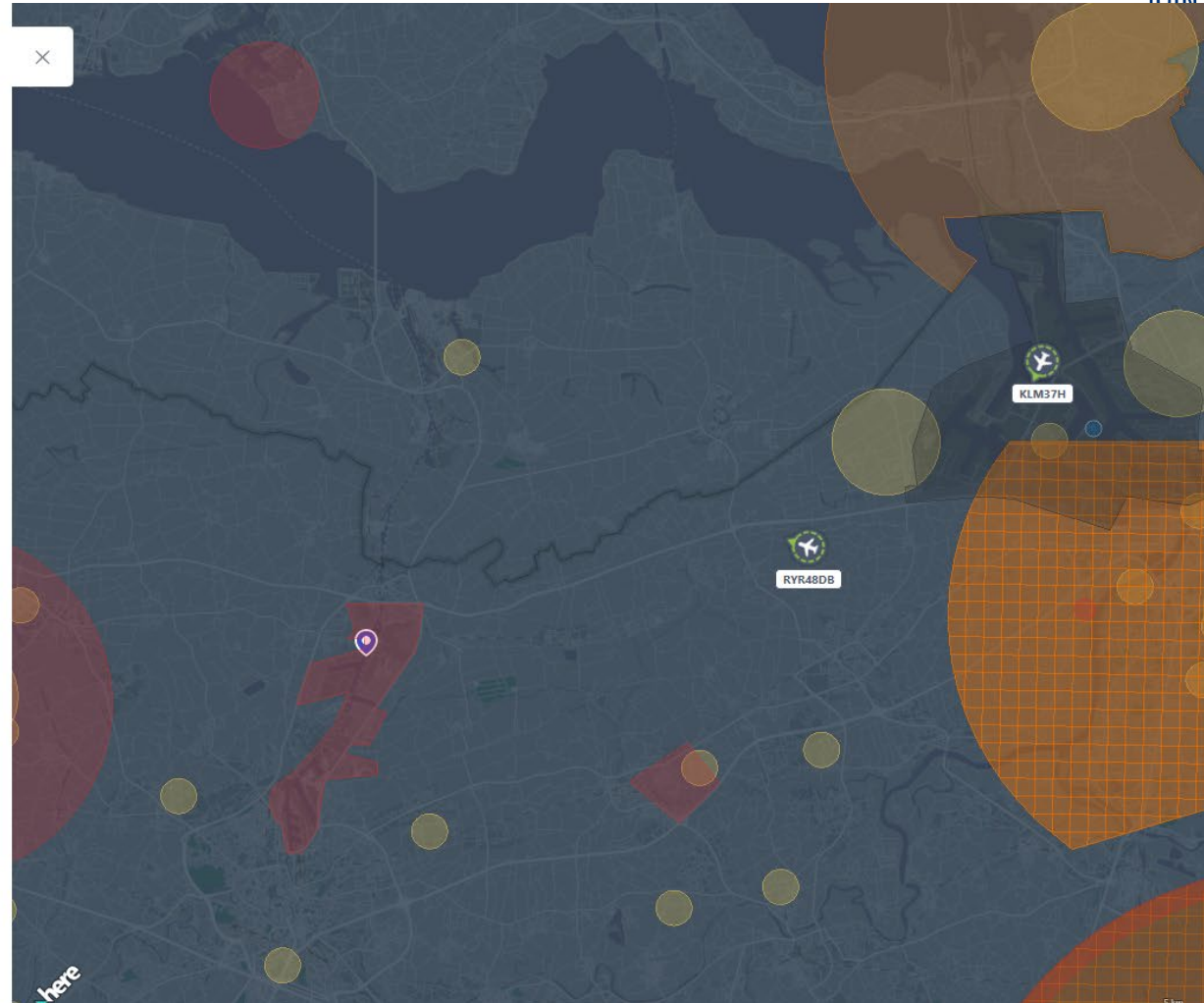
https://www.unify.aero

Last name

Smith

Phone

+32444333222



De Muyt Jean-Pierre
Jean-Pierre De Muyt

- Dashboard
- Gear
- Users
- Documents
- Operations
- Incidents
- Flightmap
- Logbook

Plan operation

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Ended

Kruisweg vlucht

Operation Details Tasks Flights Documents

Operation Parameters

ID: 99ae40c4-423e-403a-b641-4a8800eed0a7

Line of sight
BVLOS

Activity
Security

Drone
DJI - Mavic 3 : 00-572

Start time
13/11/2024 11:00

Timeline

07/11/2024

- 11:16 Operation is Ended by Jean-Pierre De Muyt
- 11:15 Landing by Jean-Pierre De Muyt
- 11:15 Take-off by Jean-Pierre De Muyt
- 11:14 Operation is Activated by Jean-Pierre De Muyt
You can start your operation in planned time.
- Operation is Accepted

Purpose

Kruisweg vlucht

Search for locations...

Selected Location
Melkschoor 20, 2030 Antwerp, Belgium
51.273786°, 004.328524°

Kruisweg vlucht

Operation details

Operation name	ID
Kruisweg vlucht	99ae40c4-423e-403a-b641-4a8800eed0a7
Pilot name	Pilot phone #
De Muyt Jean-Pierre	+32475573002
Purpose	Drone
Demo	DJI - Mavic 3 (JPDMs Mavic 3)
Activity	Operation status
Security	Ended
Upper limit	Start time
20 m AGL	13/11/2024 11:00
End time	Operator name
13/11/2024 12:00	De Muyt Jean-Pierre
UAS Operator Registration Number	Horizontal deviation threshold
BELj5li3y5o2ruih	250 m
Vertical deviation threshold	
75 m	

13/11/2024 11:00 - 13/11/2024 12:00

13/11/2024

07:00 08:00 09:00 10:00 11:00 12:00 13:00 14:00 15:00

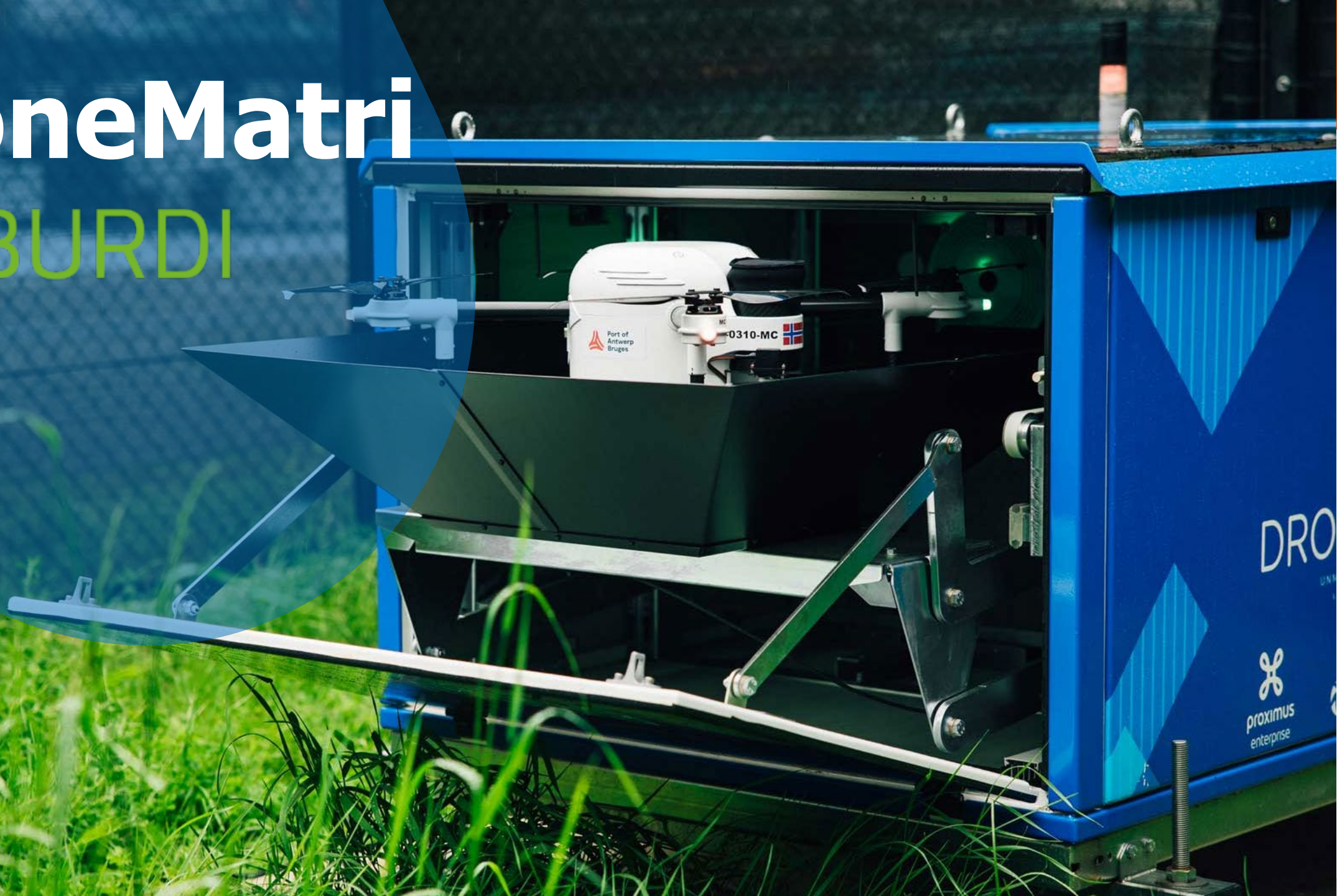
Tactical flight activation request

POAB BVLOS ecosystem

Helicus demo

DroneMatri

x BURDI





DRONEMATRIX™

PART OF NU GROUP

DIAB: Revolutionizing Drone Operations



Made in Belgium

Belgian company
(Hasselt/Diepenbeek)

Founded in 2015 (RiskMatrix group)

Deep roots in security sector



Intelligent, automated drones

Models like YACOB and YETI represent state-of-the-art capabilities. Paired with our ARWS platform, we bring oversight and efficiency.

= accessibility to clients.



Integrator = flexibility

Robust solutions tailored for various industries.

In-house capability to provide unique solution in challenging demands.



D-HIVE



**Port of
Antwerp
Bruges**



Drone-as-a-service

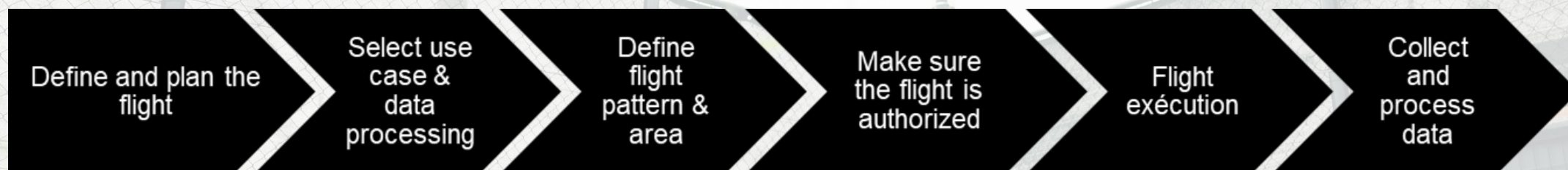
- **Infrastructure installation:** DroneMatrix can install any infrastructure and equipment necessary.
- **Operations:** DroneMatrix operates the drones on day-to-day missions as requested by the customer.
- **Maintenance:** DroneMatrix provides all maintenance for the drone and related equipment, ensuring customers receive their drone-as-a-service capability as and when it is needed.
- **Authorisation:** It can be complex to achieve the authorisations required for day-to-day drone operations. DroneMatrix arranges all authorisation necessary, addressing any regulatory and certification requirements.
- **Realized in 2023** in partnership with SkeyDrone & Proximus



D-HIVE

Operating model

- **End to end solution** (6 YACOB installations in the Port of Antwerp Bruges)



- **Worry free:** Planned and on demand flights, easy to use booking and flight request platform for customer. Safe, secure and efficient flight execution. Always ready.



- **End to end solution** truly automated
- **Automatic approval**
- **USSP integration**
- **UTM integration**
- **Worry free:** live feedback & confirmation

AR-WS

- **Fleet & flight management platform**
- **Data storage**
- **Flight requests**
- **Flight planning**
- **Flight execution**

USSP integration

- **Client request flight**
- **Pilot verifies and approves**
- **After approval, the flight is automatically requested to the USSP via the API**
- **Status monitoring**
- **Starting the flight activates the flight plan at the USSP**

Flight request workflow

1. Client uses AR-WS to request flight
2. Pilot receives request, verifies it and plans its execution
3. When reaching the planned time slot, pilot performs the flight

Client request

- 1. Select the desired area**
- 2. Select the desired flight plan**
- 3. Indicate time window for flight**
- 4. Add additional information for the pilot**
- 5. Save**

Pilot approval

1. Edit request
2. Verify area and flight plan
3. Select time to execute the flight
4. Approve

Flight execution

1. Open flight plan
2. Pre-flight checks
3. Launch drone
4. Monitor flight
5. Post-flight checks

Get in touch

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DRONEMATRIX™

<https://www.dronematrix.eu>

THANK YOU FOR
YOUR ATTENTION