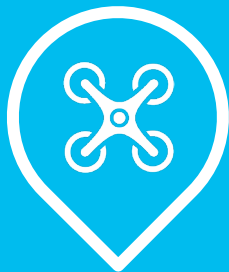
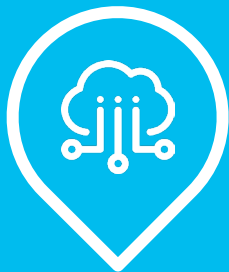


# DRONEMATRIX

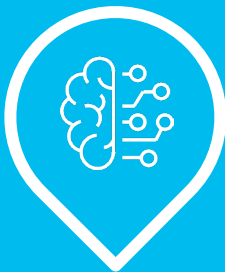
UNMANNED AERIAL SOLUTIONS



Autonomous  
Network drone



Cloud service  
platform

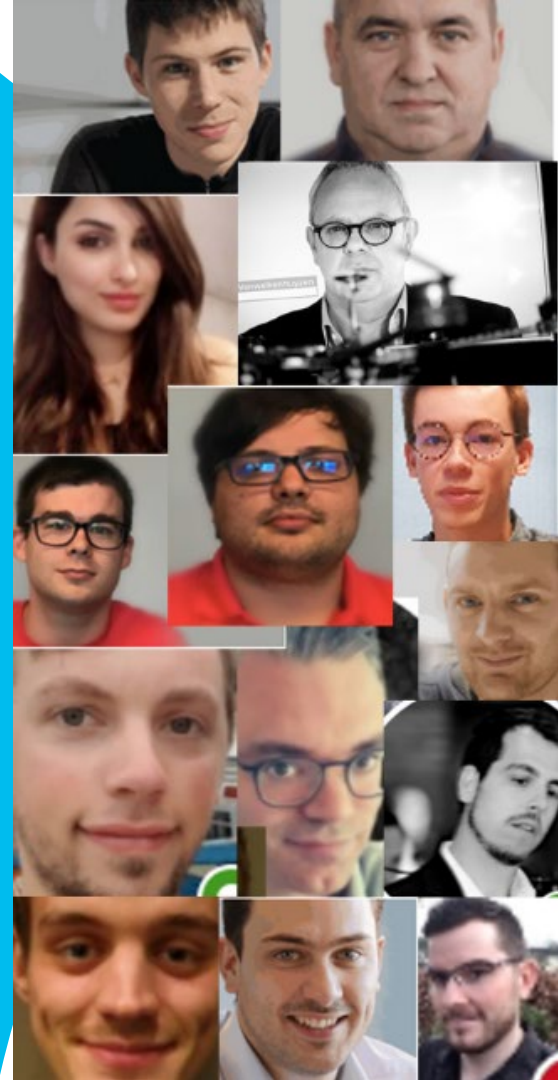


A.I.



# DroneMatrix

- Belgian company (Hasselt / Diepenbeek)
- Founded in 2015
- Part of the Nordic Unmanned Group
- Focus on intelligent, automated drones
- Active in Europe, Middle East and Asia
- Driver of the 6th NeTWork



# The Company



2015  
FOUNDED



DRONEMATRIX  
ADVANCED AERIAL SOLUTIONS

2022  
PARTICIPATION

NORDIC  
UNMANNED



2017

AWARD OF 3DSAFEGUARD  
FIRST INTERVENTION BY AUTOMATED DRONE



2018

AWARD OF MIRRADOR  
FIRST "DRONE IN THE BOX"

2019

AWARD OF D4ANTWERP  
AUTONOMOUS FLIGHTS ABOVE CITY OF ANTWERP



2020

PORT OF ANTWERP  
AUTONOMOUS FLIGHTS ABOVE PORT OF ANTWERP



2021

6th NeTWork  
AIR SPACE MANAGEMENT ABOVE BELGIUM



2023

D-HIVE & INFRABEL – PRIME CONTRACTOR



# Expansion by group membership



DRONEMATRIX

ADVANCED AERIAL SOLUTIONS

Scandinavia - Germany – Polen – France – Spain - Italy  
Middle East (KSA & OMAN)  
Nord America  
Singapore – Vietnam - Cambodja



# “Made in Belgium”



- QRM certified
- Smart factory: assembly
- High tech engineering
- Cooperation with Belgian partners
  - Hardware unit assembly
  - Component production
- Assembly of components
- Software
- A.I.



# DroneMatrix drone - in - a - box

**YACOB**

Automated  
drone-in-a-box  
driven by A.I.





# YACOB



# YACOB installation





# The sixth.network project

**Because  projects are difficult to master:**  
various stakeholders, administration,  
authorizations, fragmented  
capabilities and specific  
technologies

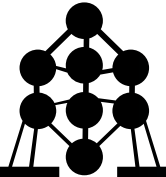
# The sixth.network project

Consolidating all **end-to-end services** and **stakeholders** for drone projects in **one single solution**.

Mainly addressing “out of sight” drone flights (BVLOS\*) and in the u-space.

\*beyond visual line of sight

Country side



Railways

City side

Industrial side

Airport side



Manned  
aviation  
airspace



u-space

# The 6th NeTWork

## Drones as a service

End-to-end  solution

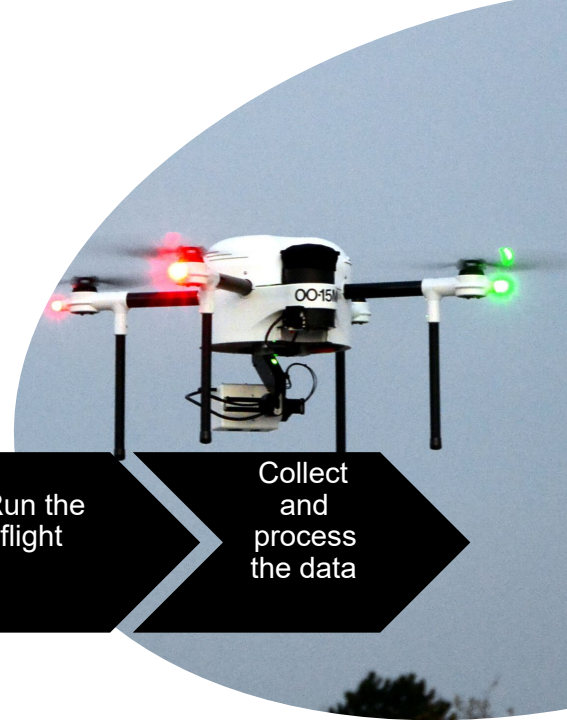


### Online drone platform

- Safe, secure and efficient operations
- Fast data collection and processing
- Customised end products

### Drone as a service

- Shared network of fully automated drones
- Ready to fly on demand



# All drones connect to AR-WS solution



## Aerial Robotics Work System

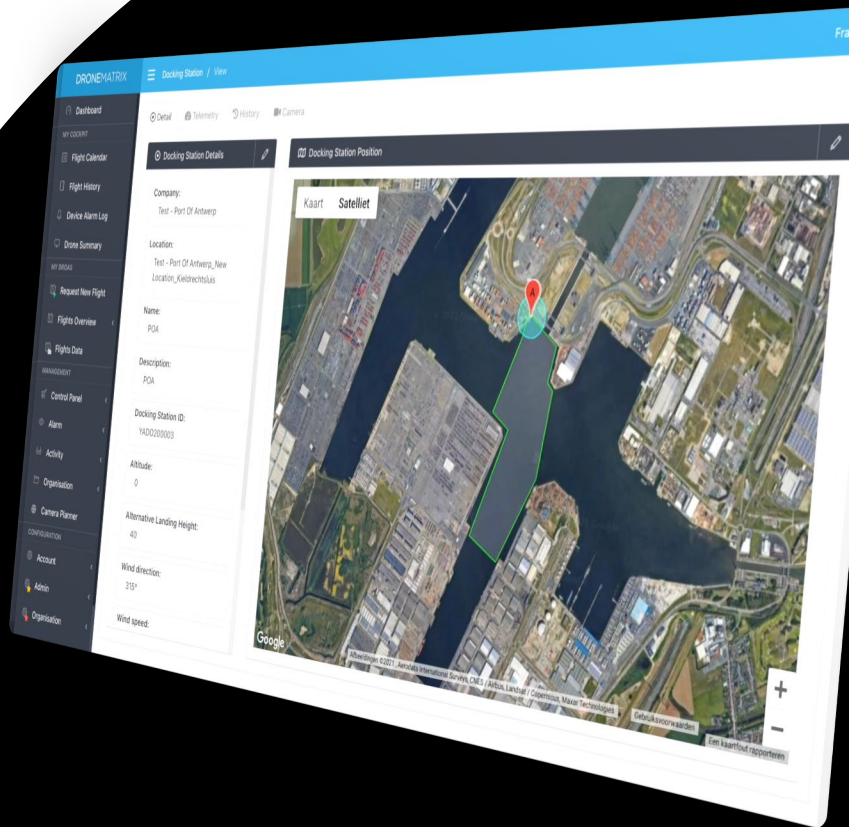
- Flight planning and execution
- Fleet management
- Integrations





# Online platform

- For preparation and implementation
- Tailor-made output
- User-friendly
- Accurate information (real - time) for missions and flight control
- Deconfliction management: flight planning taking into account other planned missions
- Host and show the result of the mission: photos/video, data analysis, smart reporting, ...



# Flight planning



3: Waypoint

Wpt type: select

Latitude: 50.90454995824371

Longitude: 5.43020609094619

Altitude (m): 36

Heading (°): 30

Stay time (s): 0

Camera tilt (°): -50

Speed (km/h): Speed (km/h)

Zoom: 2

Autotrack: person, car

Autofollow: ☒

Hold at wpt: ☐



Camera control

Reconnect

Camera view

Day camera Off

Ir camera Off

Detections Off

Clock Off

Altitude visible Off

Zoom visible Off

Position visible Off

Orientation visible Off

Ir color Default

Vibration compensation Off

Horizontal flip Off

Vertical flip Off

Exposure compensation

Zoom

Opacity

# Our focus

Government , public  
services and military



Smart ports ,  
cities & regions



Industry



Construction & real estate



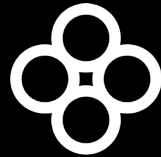
Warehousing



Transport & logistics



# Thank you !



DRONEMATRIX  
UNMANNED AERIAL SOLUTIONS



Winner of



Innovation Award 2021