

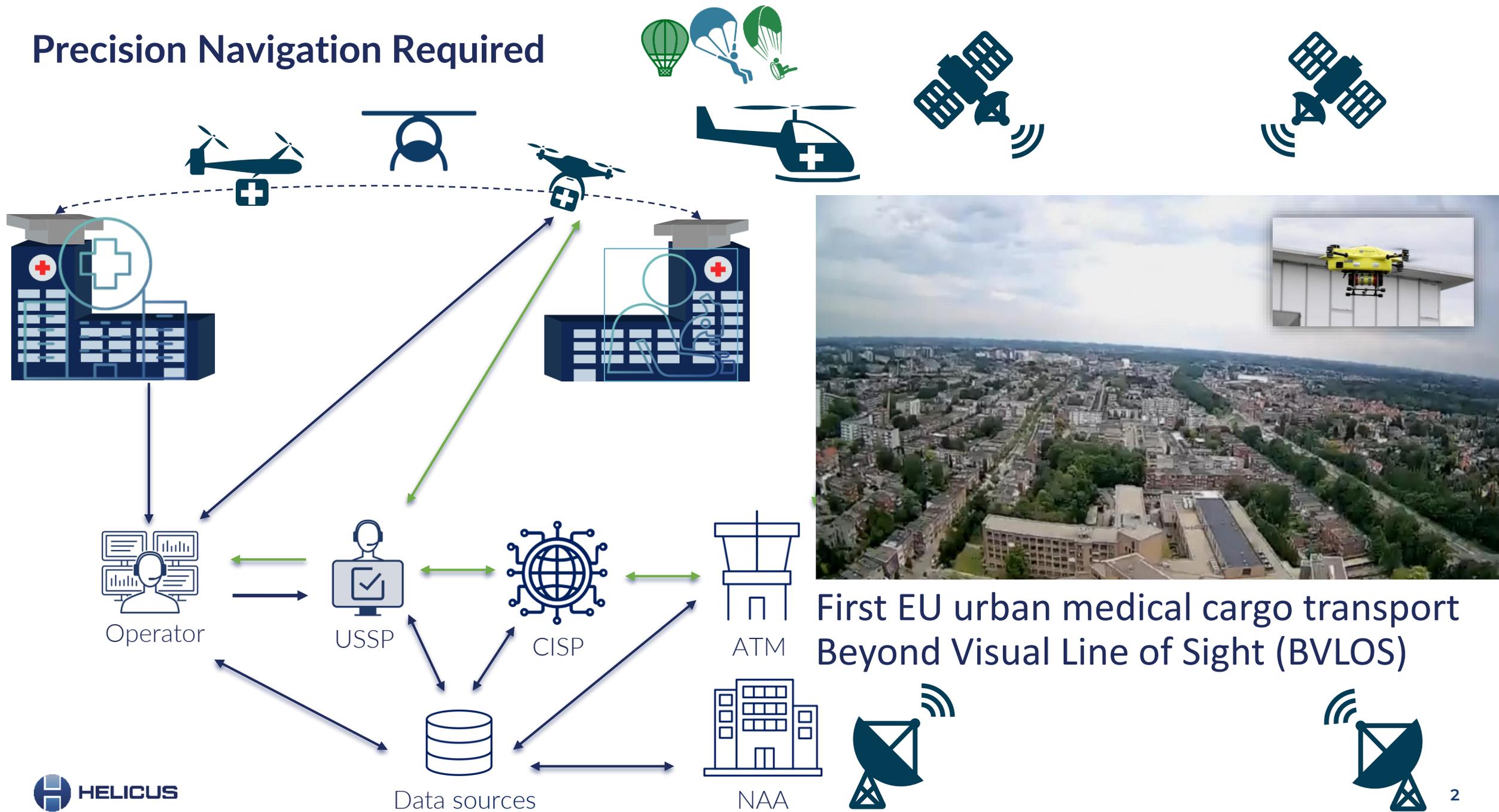


HELICUS - AUTOMATED MEDICAL DRONE TRANSPORT

ENABLING AUTOMATED & INTEGRATED DRONE SERVICES

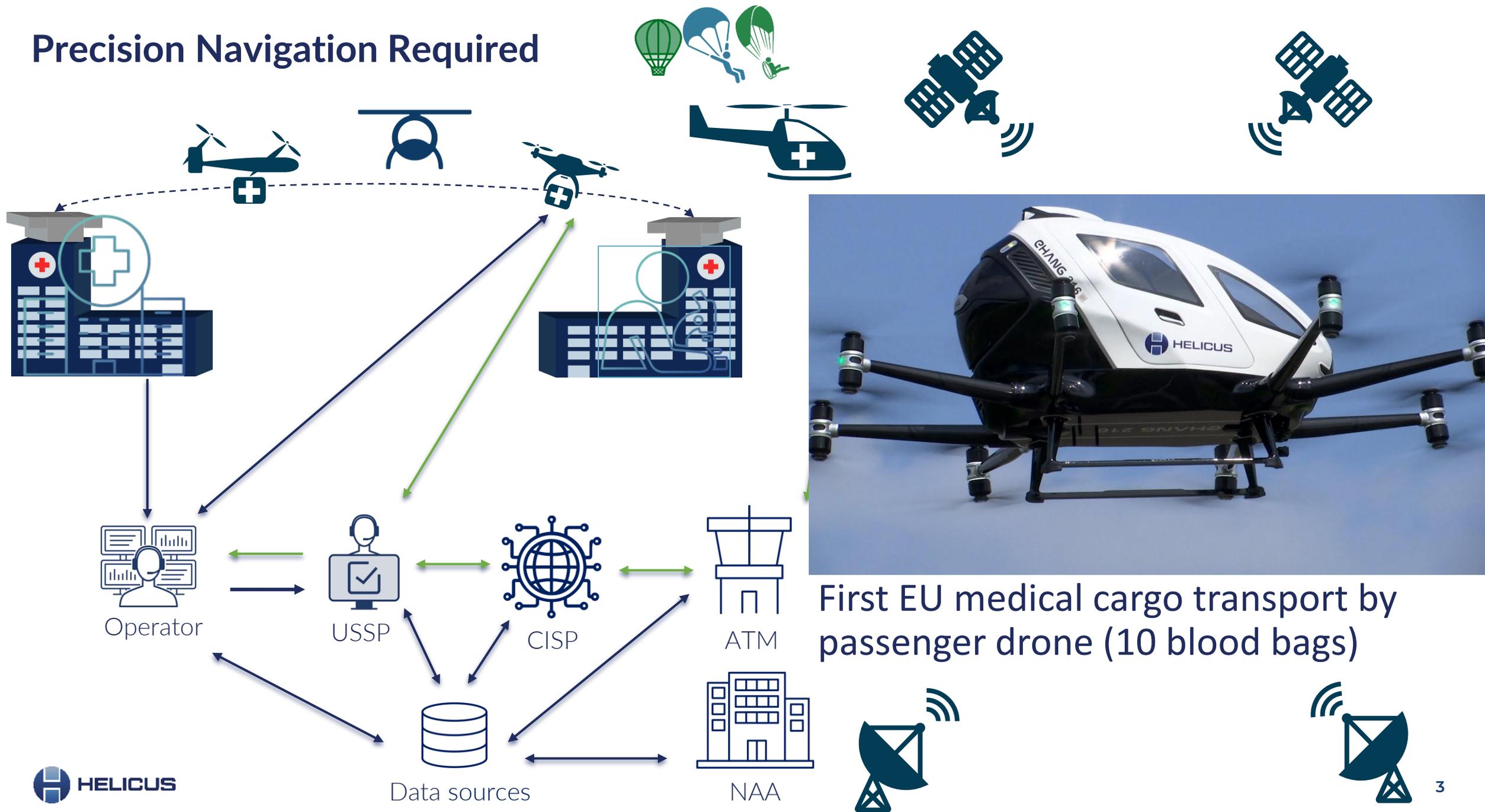


Precision Navigation Required



First EU urban medical cargo transport Beyond Visual Line of Sight (BVLOS)

Precision Navigation Required



OUR OFFERING: HELICUS MODULAR BUILDING BLOCKS



Drones

Integrating technology



Fleet mgt

State-of-the-art
Command and control
center



Ground
integration

Multi purpose
drone cargo port



Payloads

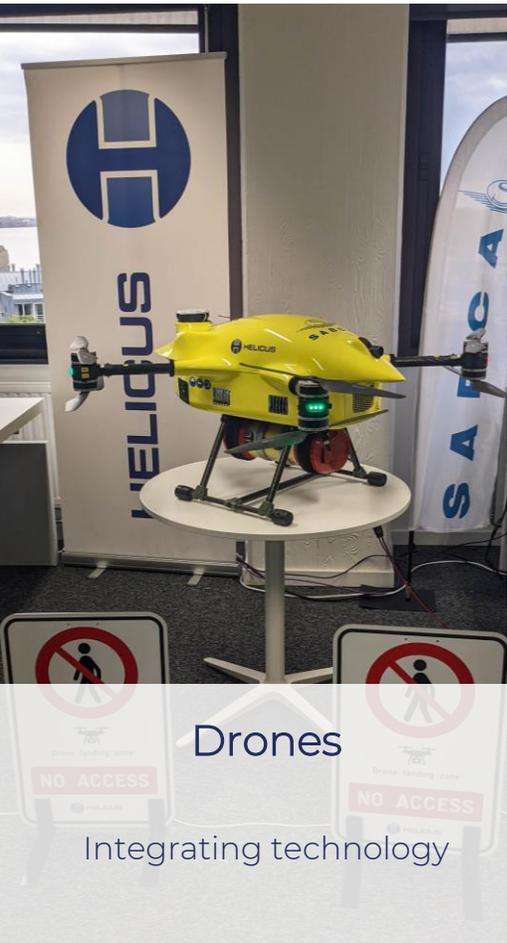
Covering use cases



Project
coordination

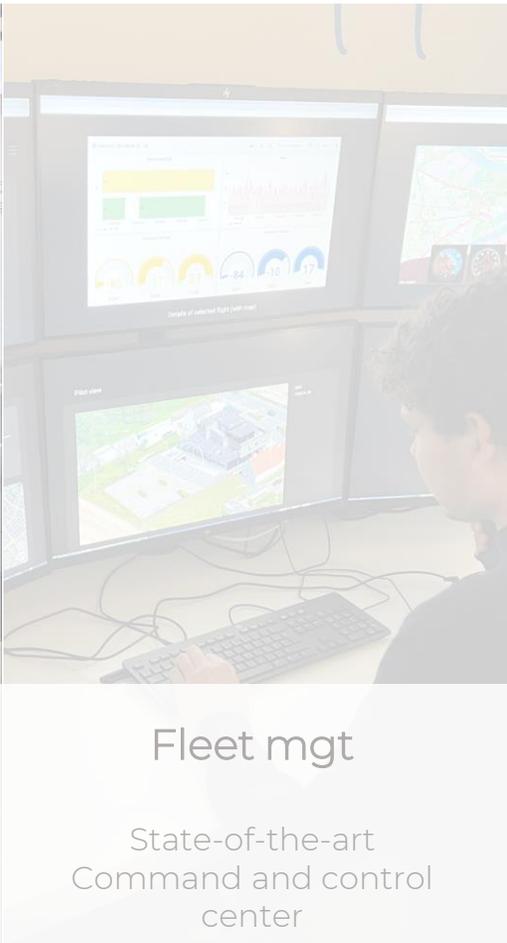
Network organization

OUR OFFERING: HELICUS MODULAR BUILDING BLOCKS



Drones

Integrating technology



Fleet mgt

State-of-the-art
Command and control
center



Ground integration

Multi purpose
drone cargo port



Payloads

Covering usecases



Project coordination

Network organization

OUR OFFERING: DRONE PLATFORMS INTEGRATION



End user
benefits
from drone
agnostic
set up

OUR OFFERING: HELICUS MODULAR BUILDING BLOCKS



Drones

Integrating technology



Fleet mgt

State-of-the-art
Command and control
center



Ground integration

Multi purpose
drone cargo port



Payloads

Covering use cases



Project coordination

Network organization

COMMAND & CONTROL CENTER (multi-operator)



Route planning and creation



Asset management (incl. UAV, DCP, payloads)



Automated pre-and post flight checks



Digital twin of the real world



Air traffic authority communication



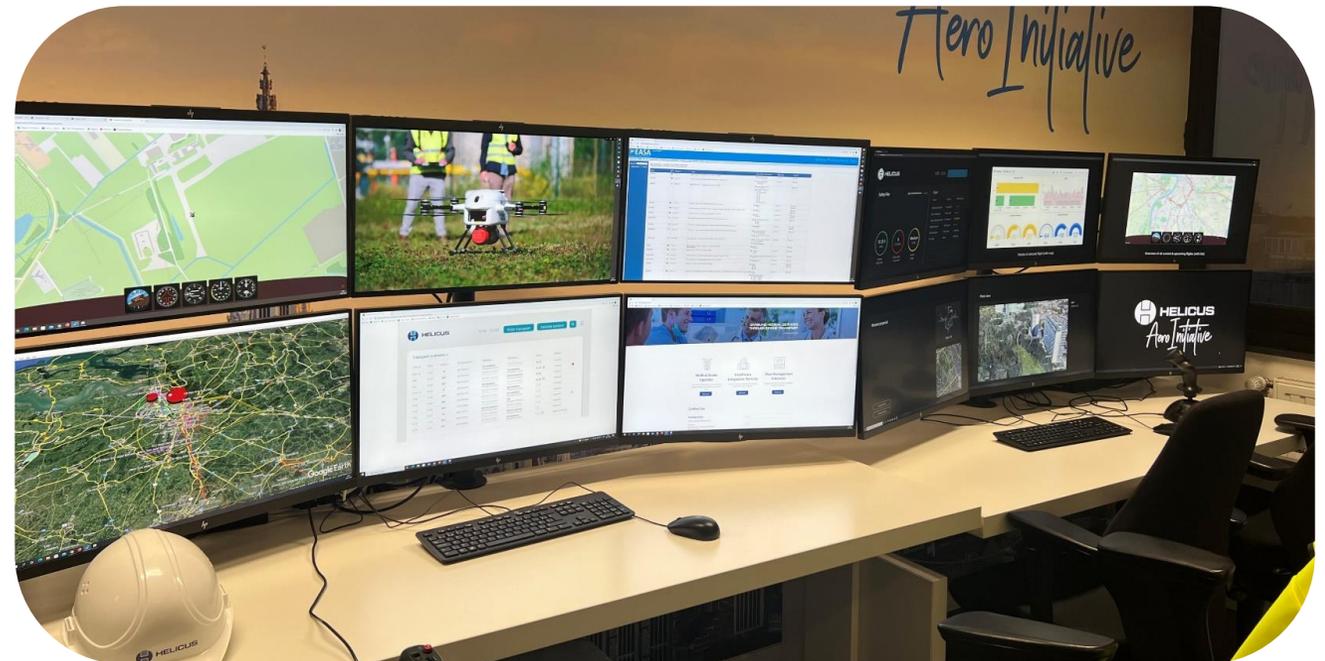
Automated flight approval



Remote pilot monitoring



Logistical tracking



OUR OFFERING: HELICUS MODULAR BUILDING BLOCKS



Drones

Integrating technology



Fleet mgt

State-of-the-art
Command and control
center



Ground integration

Multi purpose
drone cargo port



Payloads

Covering use cases

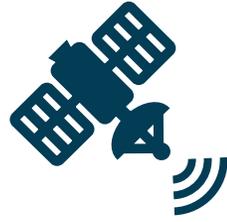


Project coordination

Network organization

Precision Landing Required

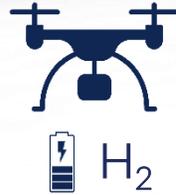
DRONE CARGO PORT (Multi drone, multi operator)



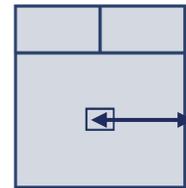
Automatic landing & take-off



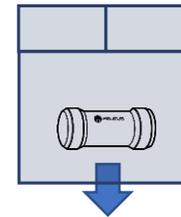
Drone Storage and protection



Drone Charging (Elec & H²)



Human-machine interface



Cargo handling (box and pneumatic tube)



Automatic payload swapping
Medical vs. legal

OUR OFFERING: HELICUS MODULAR BUILDING BLOCKS



Drones

Integrating technology



Fleet mgt

State-of-the-art
Command and control
center



Ground
integration

Multi purpose
drone cargo port



Payloads

Covering use cases



Project
coordination

Network organization

OUR OFFERING: SWAPPABLE PAYLOADS

Various use cases



OUR OFFERING: HELICUS MODULAR BUILDING BLOCKS



Drones

Maturing technology



Fleet mgt

State-of-the-art
Command and control
center



Ground
integration

Multi purpose
drone cargo port



Payloads

Covering use cases



Project
coordination

Network organization



SAFIR-Ready



Full Partners

CONFIDENTIAL Advisory Board Members



Now

GNSS / EGNOS - Navigational accuracy in all flight phases:

- Landing / take-off:
 - Confined landing spots (DCP & other Vertiports)
- Cruise flight:
 - Limited airspace volume available
 - Urban canyons

EUSPA project with EGIS: satellite data integration in Helicus C2C product

Outlook

GNSS / EGNOS

- Navigation health tracking:
 - Real-time constellation status
 - Forecast constellation status
- EGNOS v3

GNSS service integration partnering



Ready to collaborate with you

- Participate in and coordinate R&D project
- Sub-contractor to build and validate solutions (eg. satellite data as AMC)
- Drone Operator for medical and inspection use cases (to mature our solutions)
- BVLOS Fleet management (C2C)
 - Drone agnostic Operator business tool
 - Integrating; Customer, Drone, U-Space
- Automated ground infrastructure: Drone Cargo Port & vertiport management





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THANK YOU
ANY QUESTIONS?

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