



2018
World ATM Congress

Presenter
Alexandre Piot



SESAR
walking
tours

AIRBUS



#PoweredBySESAR

Stand 890



Clear Air Situation for uas

Tracking and Surveillance for

U-space

Enables

- Deconfliction
- Assistance for Separation management
- Dynamic Geofencing
- Protection of restricted areas

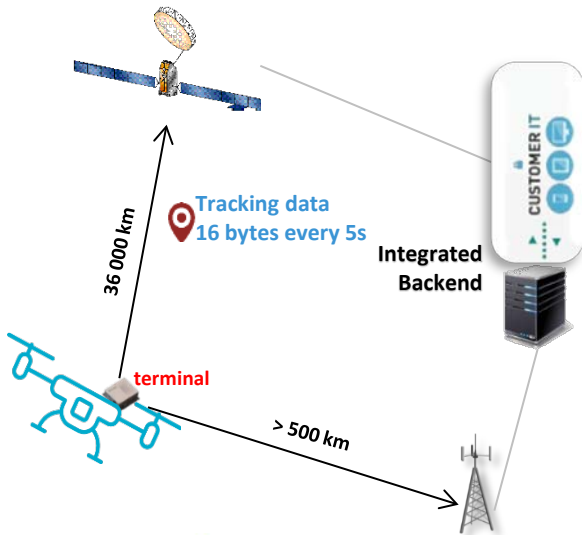
Tracking

AIRBUS



Drone Identifier and Tracker

Ultra Narrow Band technology



Kunnskap for en bedre verden

Data Fusion

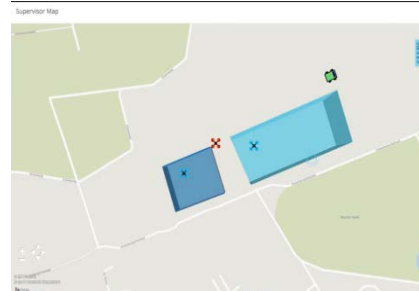
Fuse Cooperative and Non-Cooperative tracks

Gamekeeper 16U

Take on drone spotting:
Stare not scan

Situational Awareness and Alerts

Real Time Monitoring



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Drone Flights

- Aveillant Test Facility, Deenethorpe Airfield, UK
- In July 2018
- At least 6 scenarios from ENAC analysis
- Drones operated by ENAC
- To collect data for the tuning of Cooperative/Non-cooperative Data Fusion



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Rogue Drone Scenario

- Two drones flying in close formation
- The first one is authorised for ILS calibration
- The second hiding behind the first one.



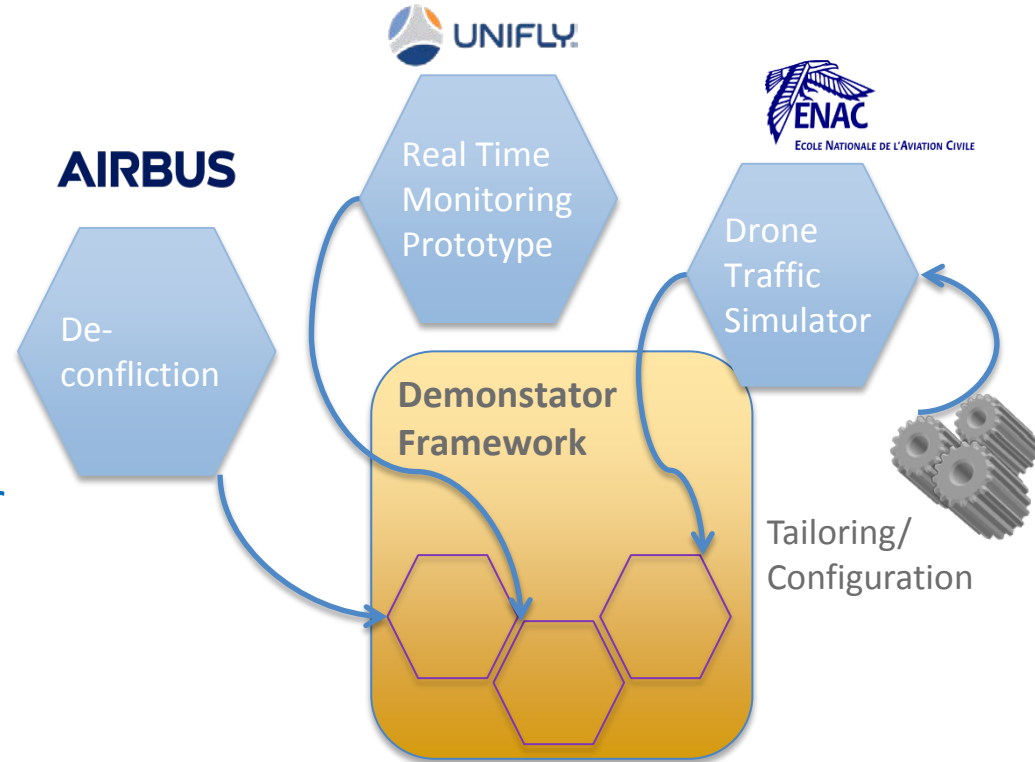
Ground Based Deconfliction

Airbus Experience from ATM

- ERATO
- TESLA (SESAR PJ-10)

Assessment of Drone deconfliction

- Need to simulate conflicts
- interface with the ENAC Simulator



CLASS will deliver valuable requirements to build up U-Space Services

