EURODRONE – PIONEERING FUTURE AEROSPACE

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Eurodrone

Presentation from Airbus – Didier Plantecoste

3DEXPERIENCE Conference

DEFENCE AND SPACE

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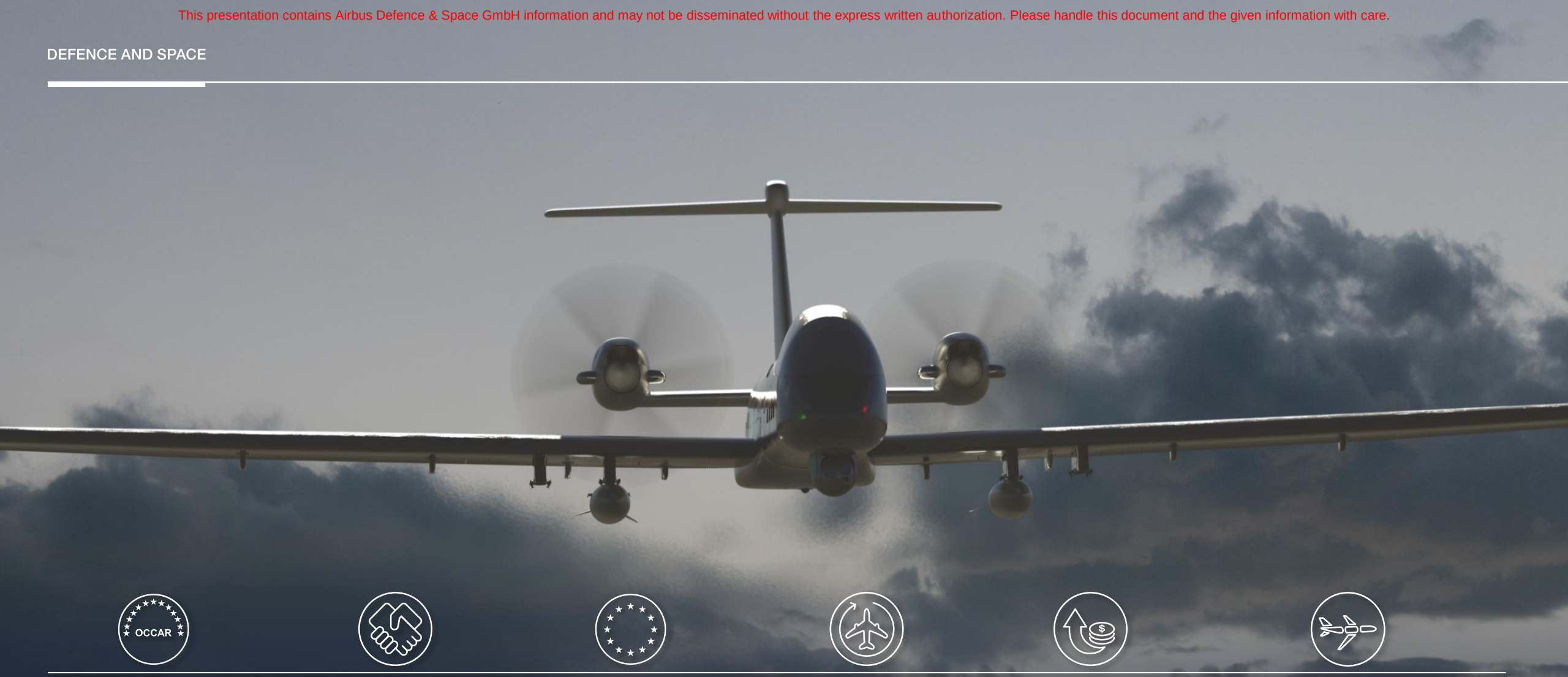
Eurodrone Video Intro



- Development based on a Definition Study
- One Contracting Authority – one Prime Contractor
- Full industrial and operational sovereignty
- Integration into civil airspace with minimal restrictions
- Advanced commercial setup
- Full Digital Design, Manufacturing and Services (DDMS) tool landscape

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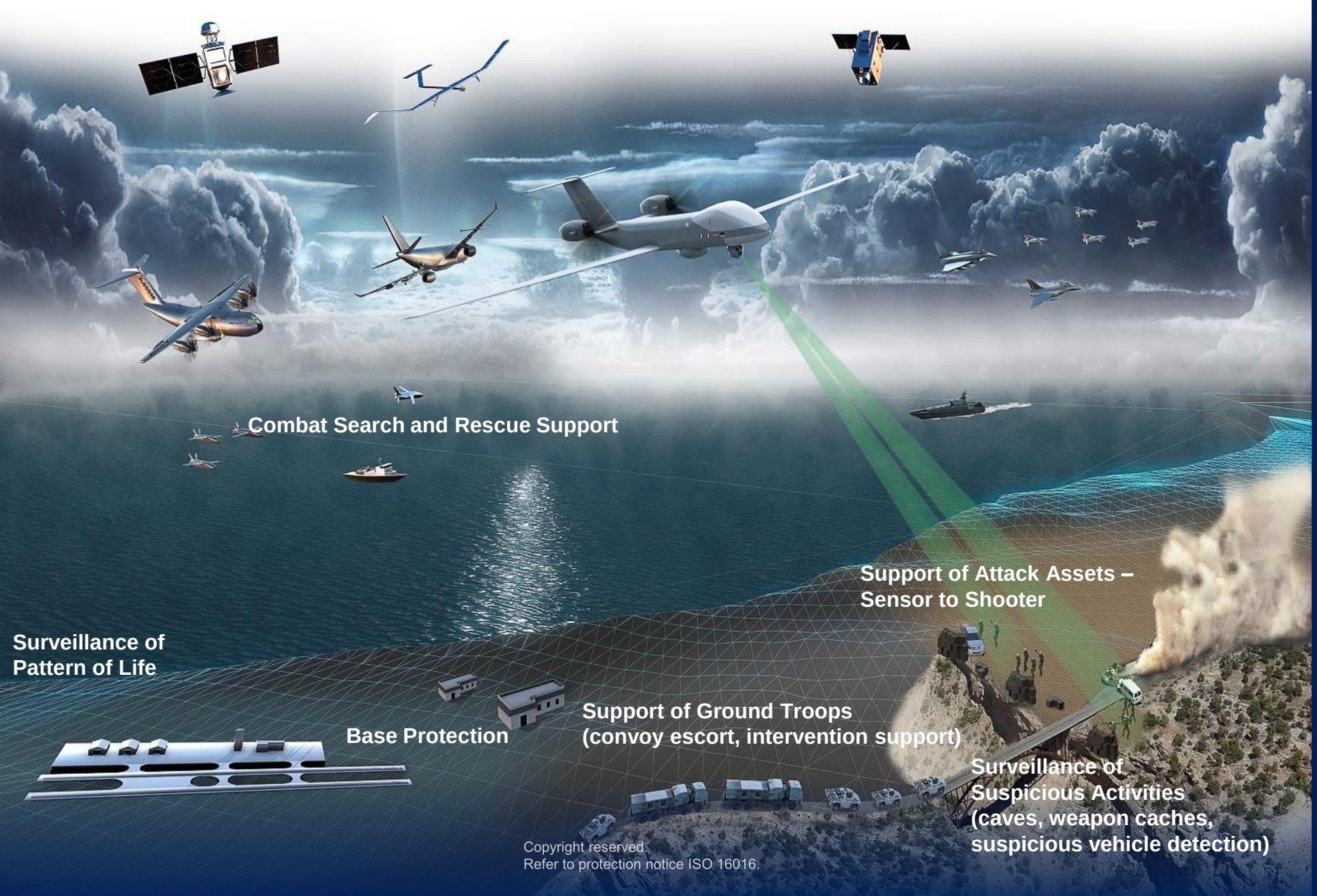

EuroDrone

- Persistent ISTAR (Intelligence, Surveillance, Target Acquisition, Reconnaissance)
- Immediate and Precise Weapons Engagement
- Worldwide in a Joint and Combined Environment

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EURODRONE is the key defence European aerospace development programme
EURODRONE one of the most advanced Unmanned Aerial Systems in the world
EURODRONE will ensure European sovereignty and independence

About Eurodrone – System Data

ENDURANCE
18h – 40h

OPERATIONAL CEILING
45.000 ft.

Highest safety: TCAS 2L, lightning protection, deicing systems

HIGHEST PAYLOAD
2.300 kg / Multi-payload capability

+25 % HIGHER SPEED
(~500km/h)

30% BETTER SENSOR TECHNOLOGY

Lowest noise emission: 67% less noise

Most precise navigation (GPS and GALILEO)

1,5 times better radar than existing MALE; 2x bigger maritime radar capacity

CERTIFICATION
into civil airspace

Longest Endurance

Highest payload capacity

Multi mission capable

Certified for Civil Air Space

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System Features

Overall length:

16m

Overall height:

6m

Wingspan:

~ 26m

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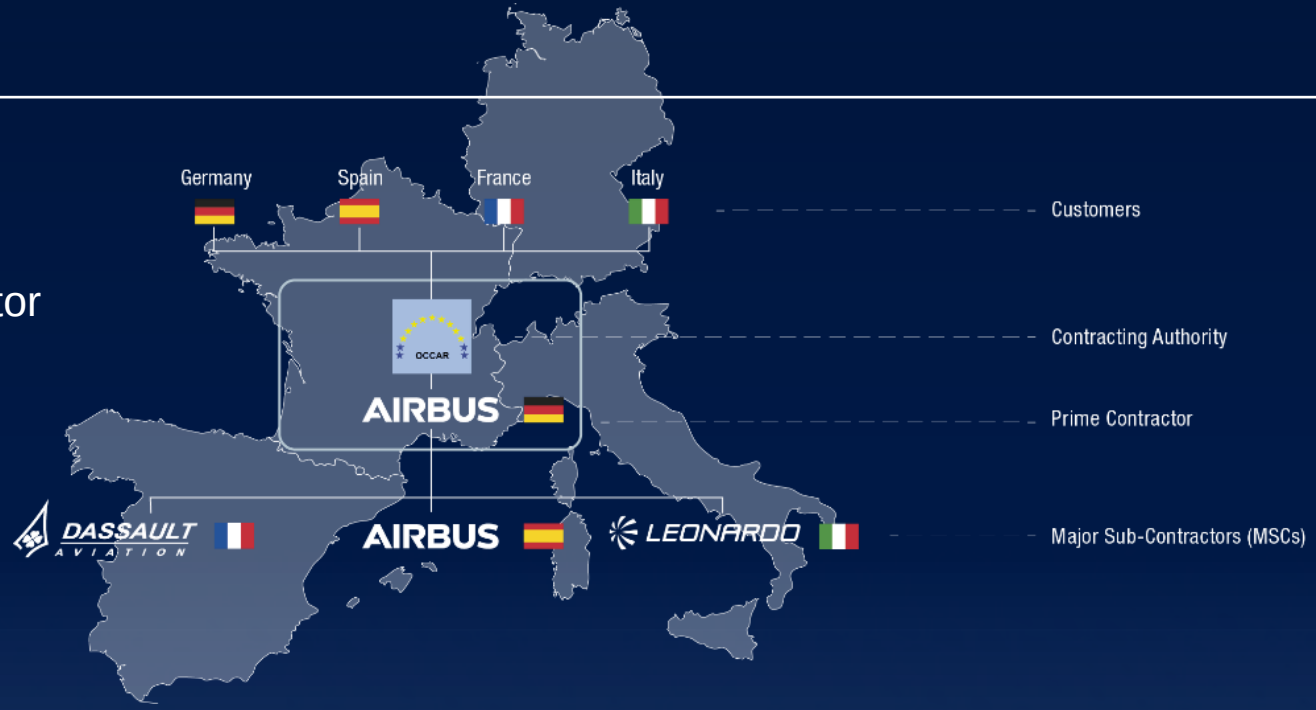
Contractual setup

One contract authority - One prime contractor



Industrial setup

Airbus

- Flight management and airspace integration system (FMAIS)
- Landing gear
- Ground control station (GCS)
- Final assembly line (FAL)

Airbus

- Fuselage, Empennage design & production
- Ground safety critical control system
- Safety related / tactical communication
- Propulsion & Fuel systems

Dassault Aviation

- Safe flight and landing system (SFLS)
- Mission communication
- Air central maintenance system
- Ground & mobile central maintenance systems

Leonardo

- Wing design & production
- Airborne electrical & environmental control system
- Airborne mission system
- Airborne armament system

Across all Europe to the Final Assembly Line in Manching

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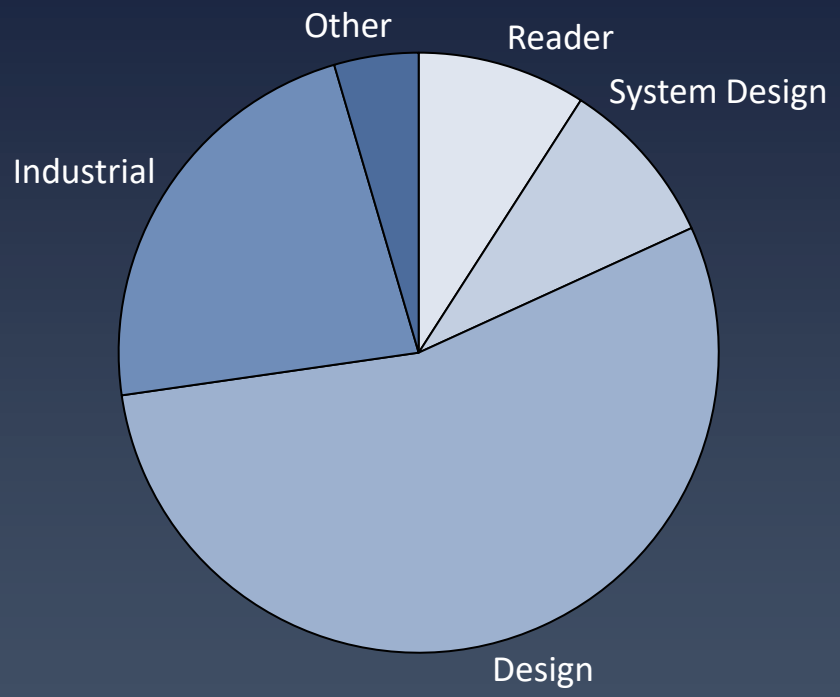
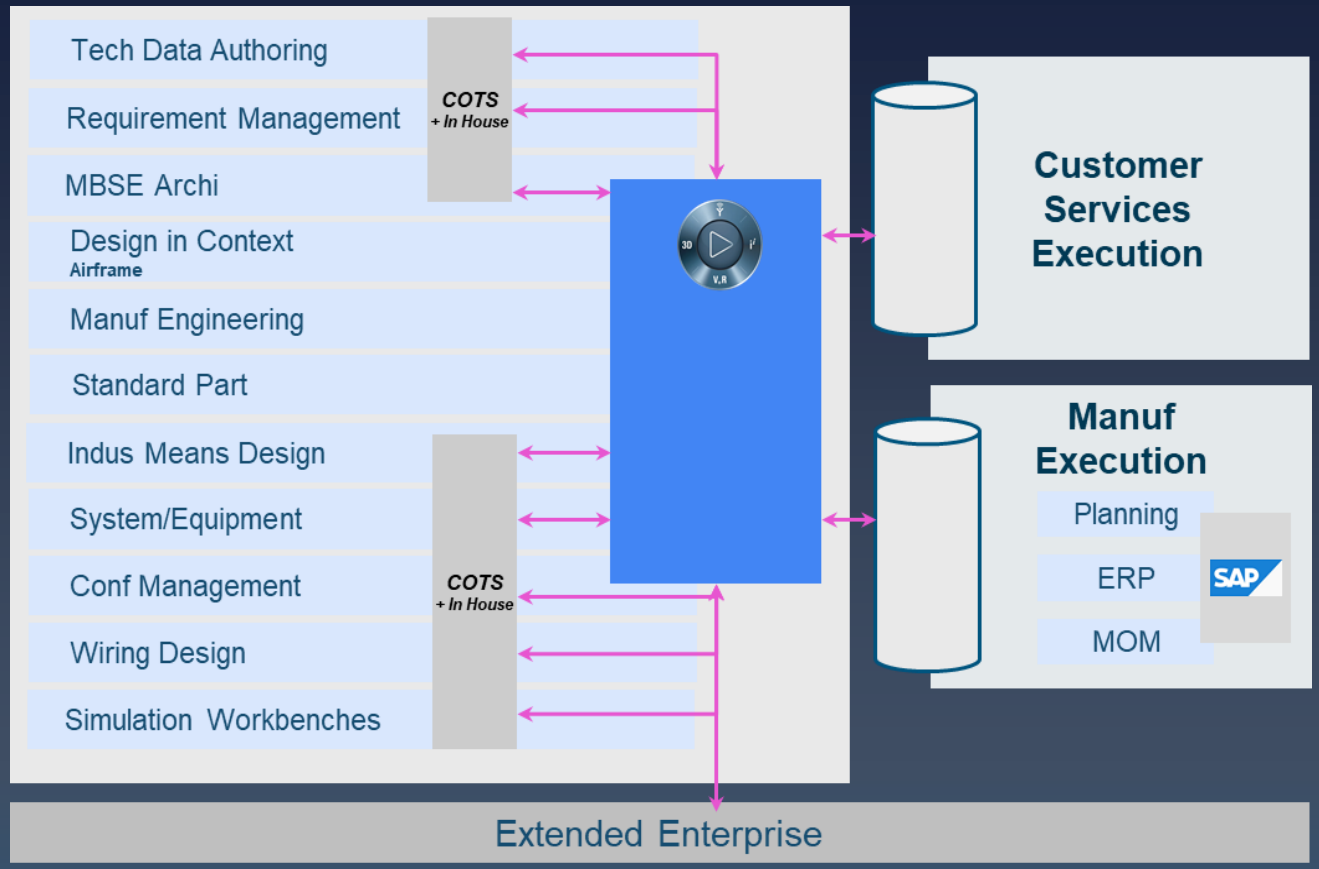
How 3DEXPERIENCE is used on ED





Declared User Community > 500

3DX use as Backbone PLM for ED

EuroDrone is engaging CDR phase → number of users will be increased soon (x3)

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Next steps and challenges

3DX Backbone maturity is critical to secure next EuroDrone milestones

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THANK YOU for your attention!