DEFENCE AND SPACE

Connected Intelligence

Multi-Domain Combat Cloud
Collaborative Combat across all Domains

The Multi-Domain Combat Cloud (MDCC) will empower Multi-Domain operations. The networking of sensors, command and control (C2) elements and effectors offer a decisive advantage to forces in combat. With enhanced connectivity and exchange of information across all domains a more collaborative and agile operational environment for warfighting will become a reality.

The Multi-Domain Combat Cloud based on its system-of-systems design will be the strategic game changer of future warfighting, providing a holistic response to threats.

Multi-Domain Combat Cloud enables collaborative combat with manned and unmanned teaming assets across all domains, making military operations more efficient and effective.

With the Multi-Domain Combat Cloud operational missions can be achieved faster and more effectively.

Flexibility of mission stakeholders is significantly increased by a continuously updated and improved situational awareness.

This makes real-time re-tasking under continuously changing conditions possible with an 'Accelerated Mission Cycle'.

Multi-Domain Combat Cloud will digitalise operations across the mission cycle to maximise military power by:
- Providing end-to-end cross-domain collaborative engagement between manned and unmanned assets in land, air, and maritime domains under human supervision
- Merging data from various sources in a trusted way
- Sharing information promptly in order to provide decision superiority
- Turning data into actionable information thanks to the latest analytical and learning technologies

AIRBUS

Multi-Domain Combat Cloud
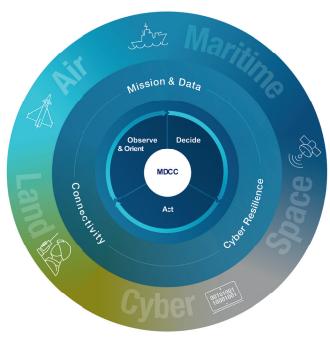## Enhancing defence power through information superiority

Multi-Domain Combat Cloud enables digitalised, collaborative operations for agile combat across all domains offering:

- Increased Mission Efficiency: Delivery of the right information with the right asset at the right time
- Shared Information Space for all Military Actors
- Engagement of multiple platforms
- Seamless connectivity and broadband across and within all domains
- Advanced application layers in all domains
- Distributed processing & seamless accessibility for close collaboration

Capabilities already available from Airbus for each Domain:

Domain	Capability
Air Domain	Future Combat Air System, connecting assets for next generation Air Power
Space Domain	Dependable and resilient satellite communications and space-based ISR
Land Domain	A connectable Land Combat Cloud based on an intelligent open service architecture
Cyber Domain	End-to-end encrypted protection and advanced cyber capabilities
Maritime Domain	Smart, seamless and secure ship-to-shore and ship-to-ship and inter-domain connectivity

Multi-Domain Combat Cloud key capabilities cater for the needs of digitalised, collaborative warfighting. Airbus is working together with its customers to guarantee improved interoperability, resilience and sovereignty thanks to affordable, adaptable and adequate solutions such as:

- Innovative communication solutions such as the Hybrid Networks, Deployable cyber resilient communication and information systems

- Intelligence, Exploitation, Surveillance and C2 Suite with superior growth potential for future applications

- Cutting edge Activity Based Intelligence (ABI) solution incorporating artificial intelligence and machine-learning techniques. Conducted through partnerships until involvement of non- traditional industry players

- Security-by-Design approaches guided by holistic security concepts which are continuously taken into account and implemented

Known for its competency in system of systems, Airbus together with its partners is able to develop flexible and cyber resilient architectures and solutions. As a key player in both the FCAS and AFSC programmes, Airbus is already shaping the future of C2 in a multinational or NATO framework. Ultimately, Airbus is the leading European defence company, both as architect and integrator, able to bridge nations and to set up industrial partnerships.