

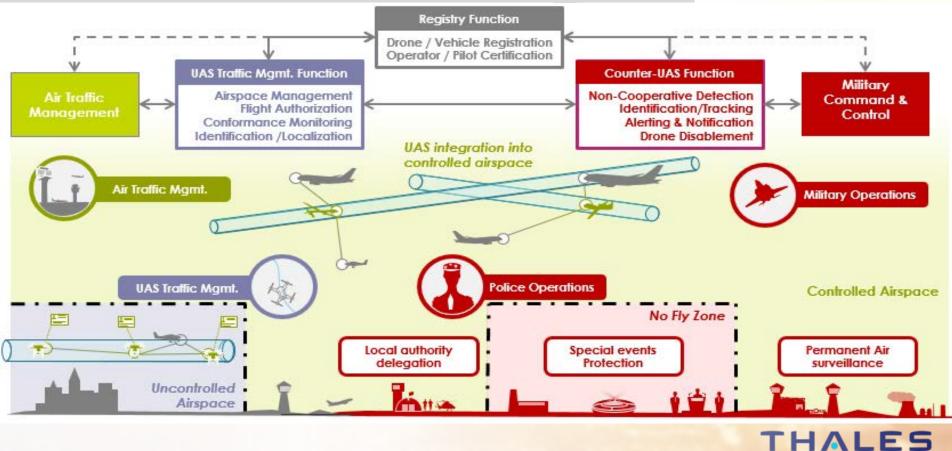
Low-Altitude Airspace Management

Drone Enable 2018 Brenden Hedblom





UAS Operating Environment



As density & risk increase, so does the need for structure and controls

Low Density & Low Risk



- Limited Regulation
- Limited Enforcement

High Density & High Risk



- Structured Access
- Mandated Rules
- Vehicle Standards

(ex. Lanes) (ex. speed limits)

- (ex. tail lights)
- Enforcement (ex. traffic cameras, police)
- Centralized Control

(ex. traffic lights)

THALES

Operational Density & Risk

Need An Incremental, Pragmatic and Feasible Approach

High density low-altitude airspace management

End-State

Limited Operations (U.S. Part 107) Segregated Test Sites



Operator Driven Model

- Highly autonomous
- Decentralized

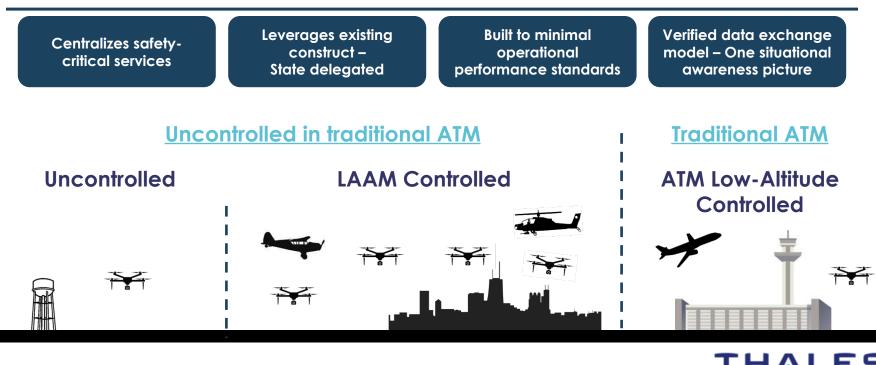
Need An Incremental, Pragmatic and Feasible Approach



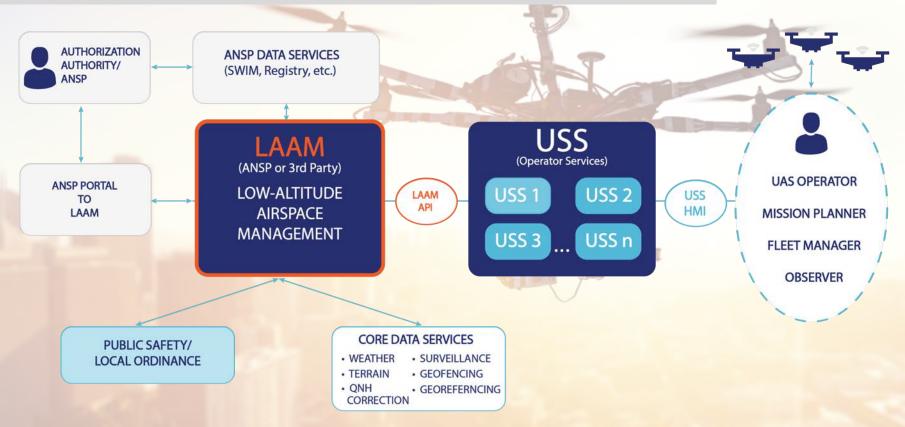
Providing Structure through Low-Altitude Airspace Management

Low-Altitude Airspace Manager - LAAM

Single manager for delegated airspace – centralizing safety-critical functions and safely facilitating operations and separation of UTM service suppliers and manned aviation



Low-Altitude Airspace Management



LAAM – An Incremental step in the Evolution of ATM

