

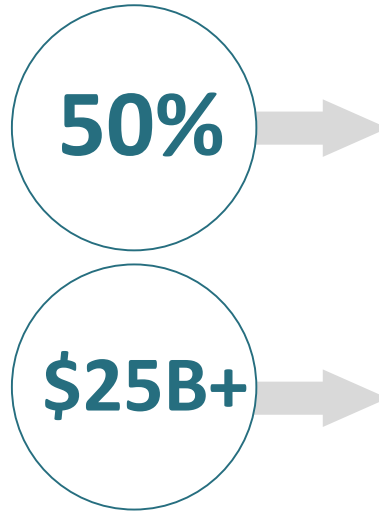
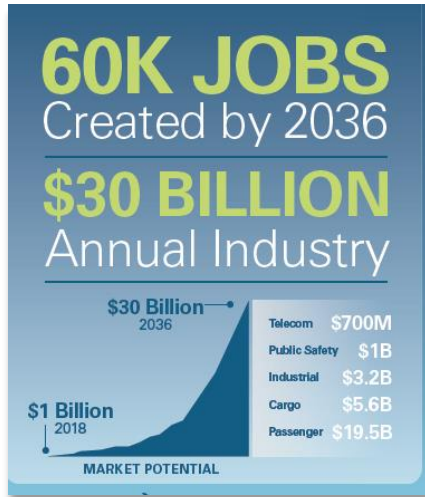
Achieving the promise of Unmanned Aircraft Systems (UAS) for Smarter Mobility

Presentation for DDC UAS Midwest Conference
August 7, 2019



AiRXOS
Part of GE Aviation

The drone industry in the U.S. has potential to soar to \$30B¹



By 2024, commercial UAS will drive **50%** of total UAS economic activity and continue to increase its share²

Package and Passenger delivery present **25B+** market opportunity. **750M** passenger trips and **500M** package deliveries annually by 2030³

Achieving the promise of UAS requires the right regulatory environment and investment at both the state and federal level

States are investing to prepare for growth and enable safety



POTENTIAL NEW OPPORTUNITIES/ROLES:



PLAN/ESTABLISH “CORRIDORS IN THE SKY”



MANAGE UAV TRAFFIC/CORRIDOR ACTIVITY



REGISTER/AUTHORIZE UAS USERS



SET POLICIES (TAKE-OFF/LANDING, NO FLY ZONES, ETC.)



PROVIDE ALERTS & ADVISORIES (EVENTS, CHANGES)



ENSURE PUBLIC SAFETY/ENGAGE COMMUNITY

UAS corridors open up new commercial opportunities

- Hospital logistics – medical supply, lab work, organs
- B2B supply chain – movement of parts, materials
- Public sector services (Public Safety/First Responders, DOT's own transport operations)
- Future: Package Delivery and Urban Air Mobility

What is needed to support UAS corridors?

VISIBILITY/SITUATIONAL AWARENESS: Integration w/ other USS, GCS, radar feeds, etc.

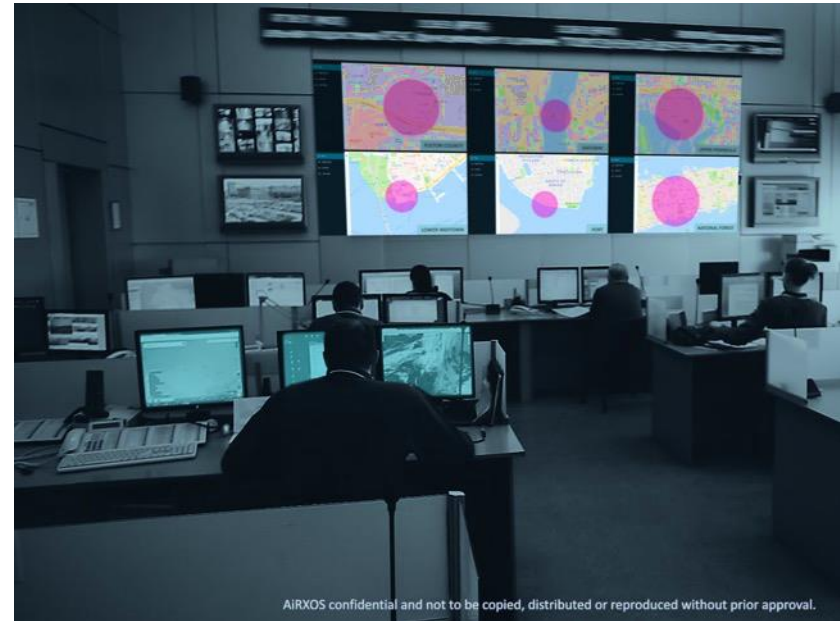
FLIGHT PLAN AUTHORIZATIONS: Based on policies/rules e.g., LAANC and other state/local -assigned altitudes, direction, no fly zones, etc.

CONFORMANCE MONITORING/airspace negotiation across USS's

AWARENESS OF ADVISORIES: FAA, State, local, FAA TFRs

REMOTE ID INSIGHT: Insight into UA/Pilot Remote ID and relevant data

APPROVAL SERVICES: To conduct advanced UAS operations on corridor



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Delivering services needed for UAS corridors



The opportunities are game-changing and life-changing!



Historic organ delivery by drone – AiRXOS & University of Maryland

Questions?

THANK YOU