

TECHNOLOGY TRANSFER INNOVATION FORUM: OVERVIEW

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AMP SoCal Advanced Manufacturing
Partnership for Southern California Forum



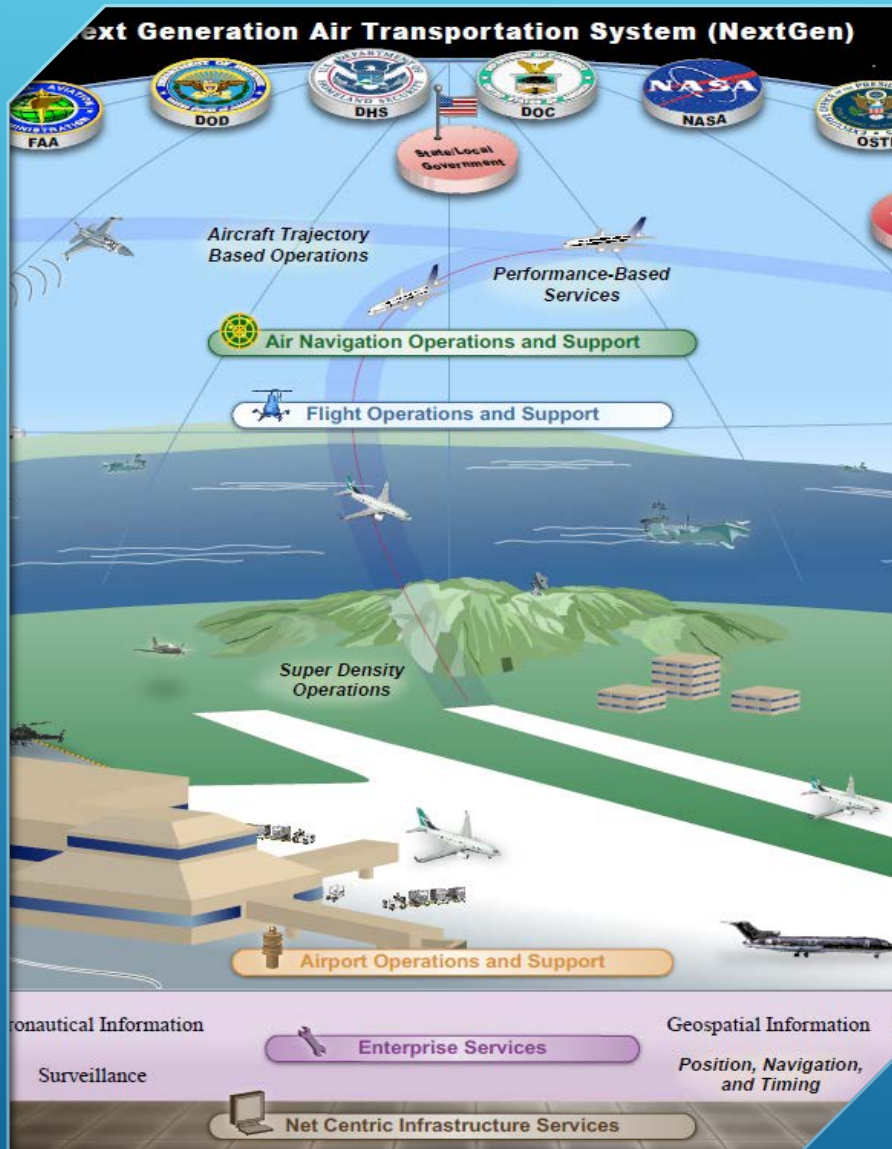
TECHNOLOGY NEEDS FOR A NEW ERA OF AEROSPACE

- Different Scale of Platforms
- Different Design, Operating Systems, Requirements
- Lower Costs/Increased Efficiency
- More Automated, Robust, Connected Systems
- Reduced Carbon Footprint, Eco-Friendly



WHAT TECHNOLOGIES NEEDED?

- Composite and Hybrid Materials
- Batteries and Biofuel
- Electronics and Communication Systems
- Sensors and Cloud-based Data Collection/Storage
- Secure Systems/CyberSecurity



ENTIRELY NEW INTEGRATED DESIGN AND SYSTEMS: NEXGEN

- -NASA and FAA for airspace integration
- -FAA and TSA for airport control and systems speak
- -DoD and NASA for new aircraft design and security
- -DOE for new alternative fuels and reduced toxins
- -DOC and EDA for Infrastructure and Financing



WHAT YOU WILL SEE TODAY?

- Mix of research institutions (Research Universities, State Universities, and National Labs)
- Different Technologies for Licensing
- Different Applications (platforms, materials, etc.)
- Opportunities for Partnerships/Collaborative Research and Licensing