

Headquarters U.S. Air Force

Integrity - Service - Excellence

Office of the Assistant Secretary (Acquisitions) Office of Transformational Innovation



Workshop with Industry Applying Digital Engineering To Reduce Acquisition Cycle Time

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Need for Change

- **AF leadership is committed to maintaining global vigilance, reach and power today and for decades to come**
- **Weapon system costs are escalating and development times increasing at an unsustainable rate**
- **AF strategy calls for “strategic agility” in all acquisition activities**
- **Air Force Acquisition Enterprise directive to become the most agile and effective acquisition force in government**
- **Office of Transformational Innovation (SAF/AQ-OTI) and Bending the Cost Curve (BTCC) Initiative formed to spur dialogue, innovation, and action**





Office of Transformational Innovation (OTI)

- OTI goal is to identify, demonstrate and execute changes within Air Force acquisition *processes* to deliver better capability, faster and cheaper
- “Transformational” Innovation:
 - Causes a fundamental paradigm shift in an activity or organization
 - Requires as much effort to reverse as to enact
 - Engages new stakeholders and/or old stakeholders in a new way
- OTI Office:
 - Improve internal AF acquisition processes
 - Enhance interactions with industry throughout acquisition lifecycle
 - Expand competition among traditional and non-traditional industry partners



Crawl



Walk



Teleport

Visit www.transform.af.mil



Example OTI Projects

- **Worked with Air Force Materiel Command to establish protocols to engage industry early in the requirements development process**
- **Working with Air Force Global Strike Command to establish a financing plan to re-engine the B-52**
- **Developing a publicly-available artificial intelligence (“cognitive computing”) platform to help navigate the DoD acquisition process**
- **Worked with Air Force Lifecycle Management Center to develop and implement a reimbursable service to provide airworthiness assessments for non-defense military aircraft (NDMA)**
- **Working with the Digital Twin/Digital Thread effort with focus on wind tunnel testing in an effort to reduce wind tunnel campaign timeframe and overall DT&E timeframe through the use of improved model-based engineering.**