National Aeronautics and Space Administration

NASA Advanced Air Mobility (AAM) Mission

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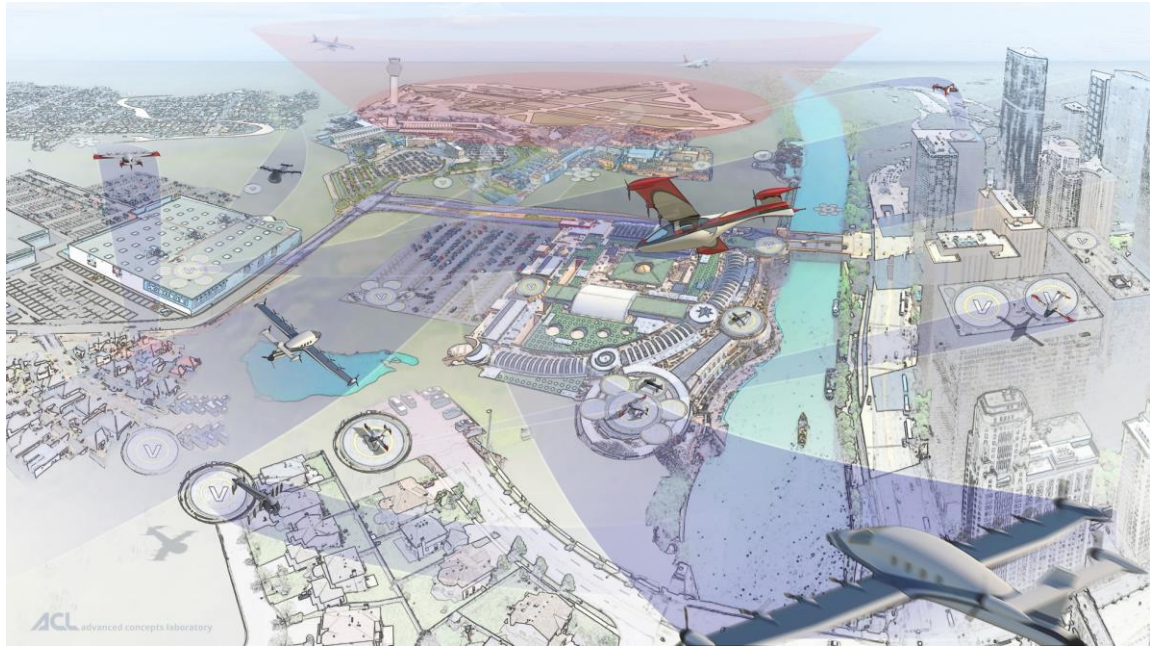
Advanced Air Mobility (AAM)

Safe, sustainable, affordable, and accessible aviation for transformational local and intraregional missions

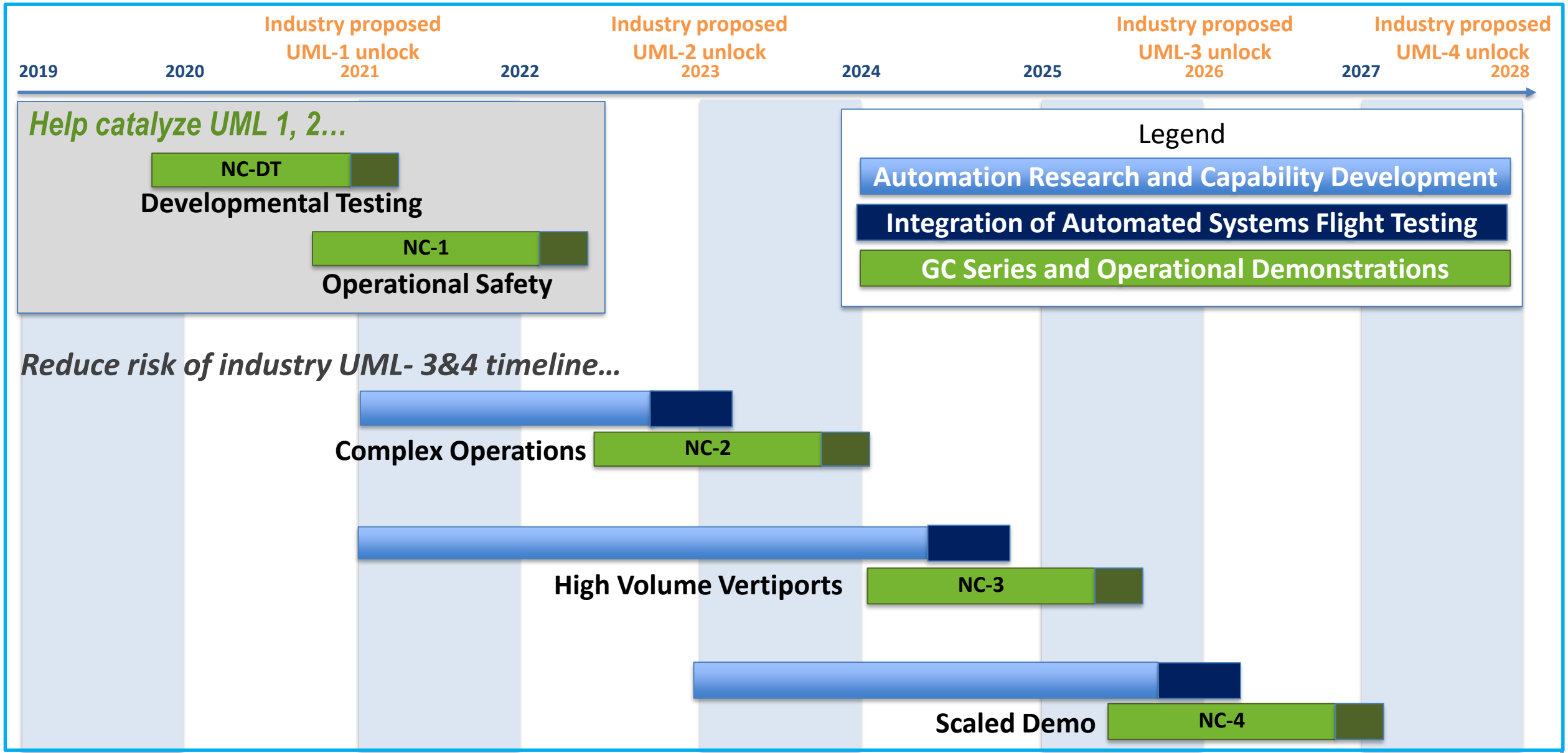
- Includes “rural” and “urban” applications
  - cargo transport, pax-carrying, aerial work, etc.
  - eVTOL, sUAS, eCTOL, hybrid-electric, etc.
  - Urban Air Mobility (UAM) as a challenging use-case with high benefit
- Enabled by electrification and scaled through automation
- Does not include:
  - Supersonic or hypersonic transport
  - Existing hub-and-spoke air service with large transport aircraft



Advanced Air Mobility (AAM) Mission

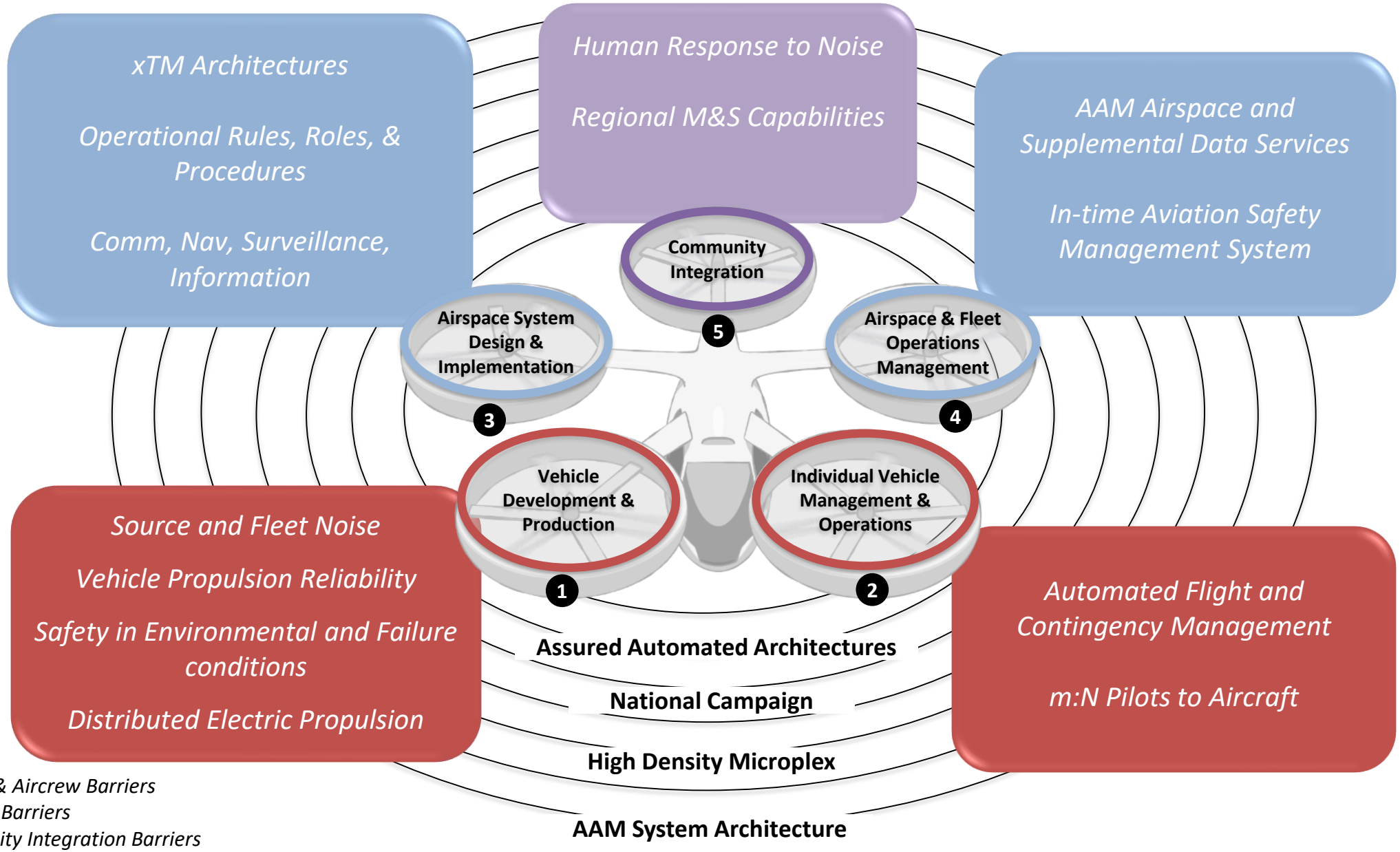
Develop validated AAM System Architectures that define a safe, certifiable, and scalable system

NASA Research to enable National Campaigns



UML "unlocks" based on a range of publicly available industry projections; not a consensus view

NASA AAM Mission Priorities



Aircraft & Aircrew Barriers
Airspace Barriers
Community Integration Barriers
 # Pillar number