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**National Research Council Canada**

# **INTEGRATED AUTONOMOUS MOBILITY**

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National Research  
Council Canada

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recherches Canada

**Canada**<sup>13</sup>

## The purpose of this slide deck is:

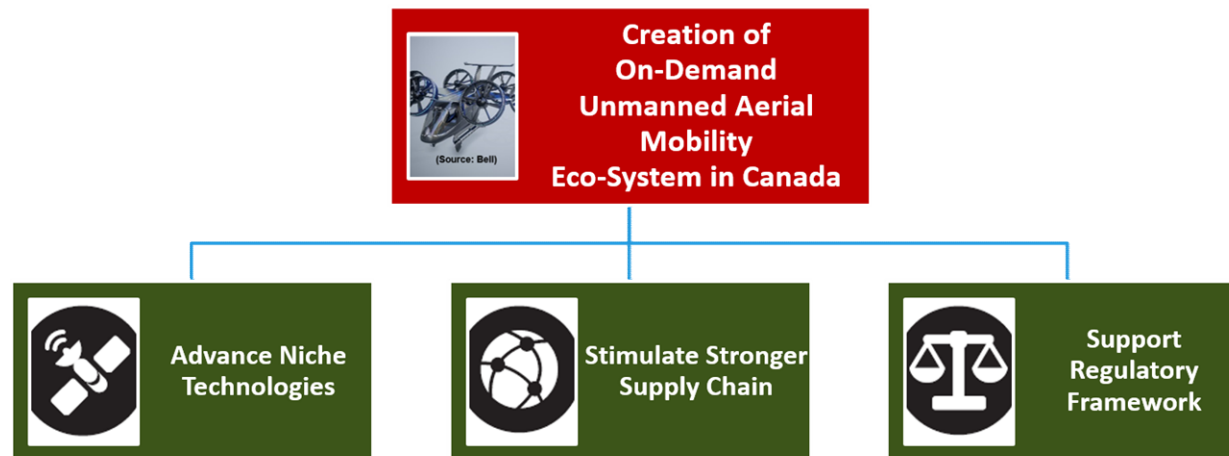
- to share the scope of a program being proposed at NRC,
- to obtain feedback from the research community on the focus areas, and
- to stimulate the involvement of the research community in the initiative

# Integrated Autonomous Mobility (*I AM*)

Addressing the technology challenges  
related to the wider adoption of  
**unmanned aircraft systems**

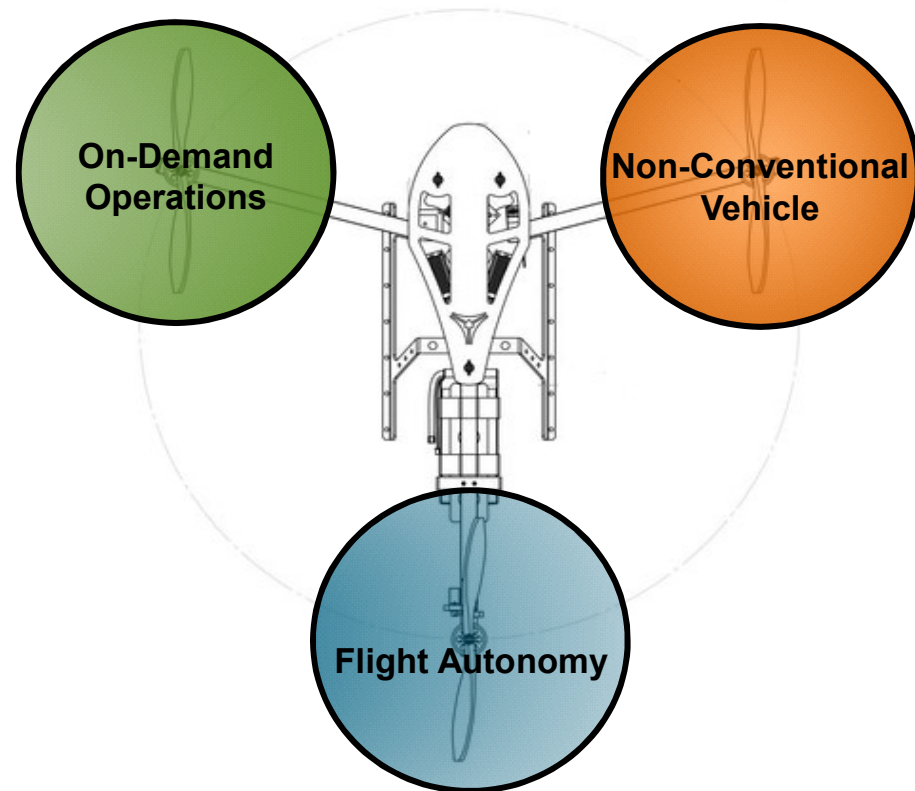


# Value Proposition of the *I AM* Initiative

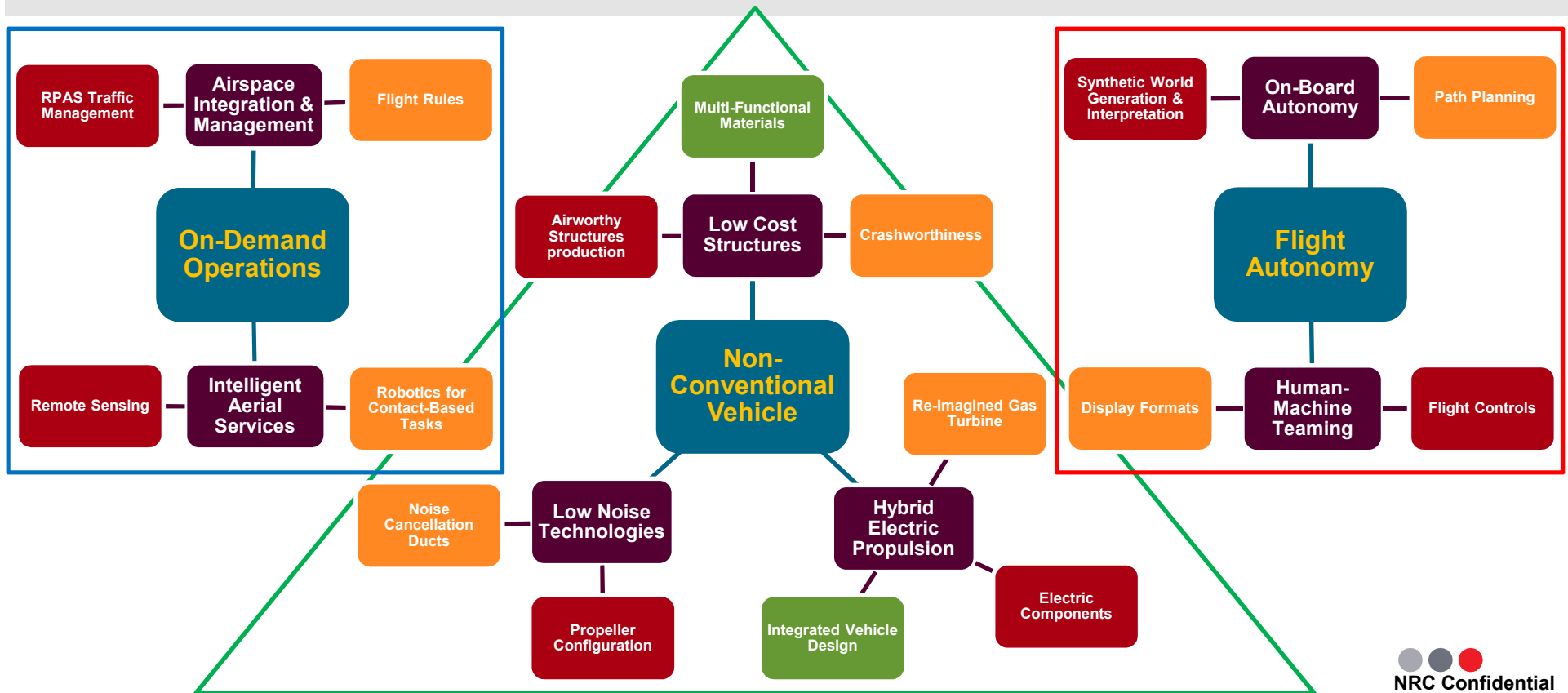


Foster a favorable ecosystem for Canadian industrial growth in on-demand unmanned aerial mobility market by drawing together Canada-wide multi-disciplinary expertise to accelerate technology development and to assist the development of certification and qualification standards

# Elements of the *IAM* Initiative



# Key Technology Focus



# Notional Platform of Commercial Interest



## IAM's Air Mobility VTOL

100~500 km range  
100~300 knots cruise speed  
1000~3000 kg MTOW (payload 50%)

Configurations: Lift+Cruise & Tilt Rotor

# Collaborations, Partnerships & Leveraging

Government (Research Centers & Regulators)

Industry

Unmanned Aerial  
Mobility  
Eco-System  
in  
Canada

Academia

International Partners



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