

Drafting out the fourth aviation revolution

“It takes a village...”

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 OliverWyman

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“That we are demonstrating the practicability of aerial transport is due to the courage and the patience, the vision and the persistence of those who designed and built and flew the craft which have startled and inspired.”

-1920 Aircraft Year Book, Issued by Manufacturers Aircraft Association, Inc.

Executive Summary:

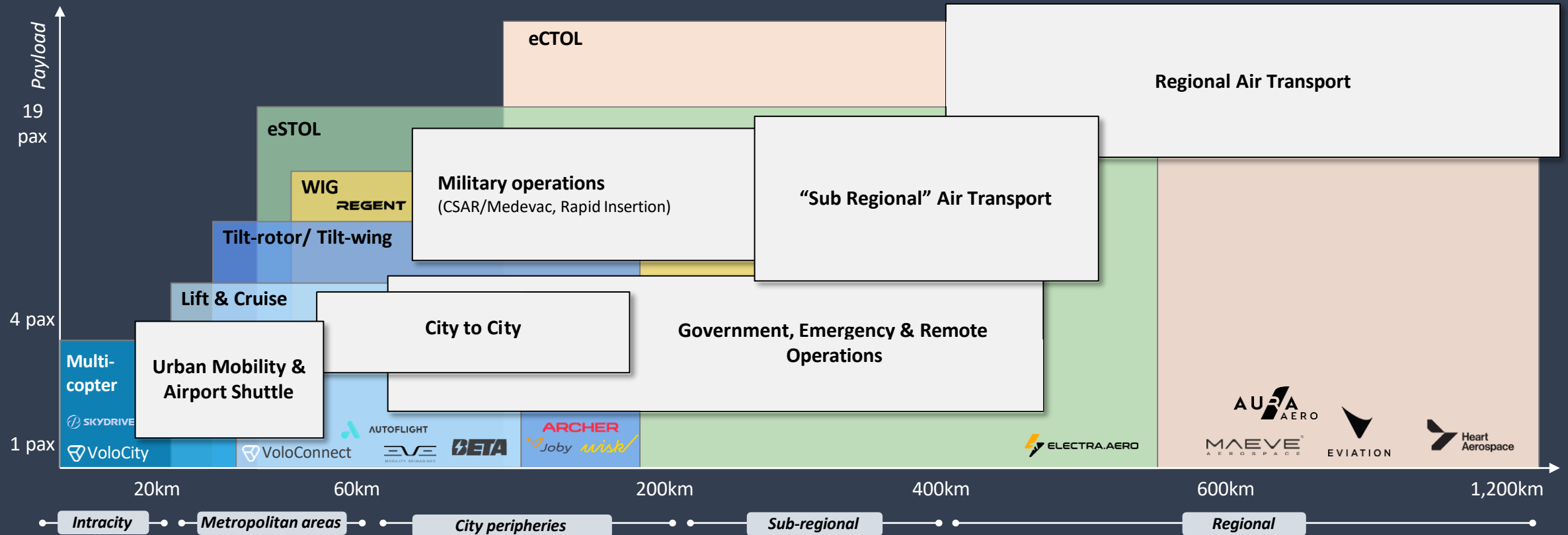
- AAM is nearly here, but as beta version 0.1
- Transformational – and capable – aircraft are a necessary first step to inspire the revolution...
- ...but the next 5-10 years will be paced by the development of the supporting ecosystem
- Continued coordination amongst investors, startups, and traditional aerospace is essential – especially in underappreciated areas (supply chain, MRO, fleet management)



Diverse AAM Market Paced by Aircraft Availability

Relevant market segments & passenger use cases for AAM

Distribution of vehicle types and example aircraft OEMs



Mission and aircraft profiles are general estimates for illustrative purposes only; logos shown are representative examples, not exhaustive
Source: Oliver Wyman expertise and analysis

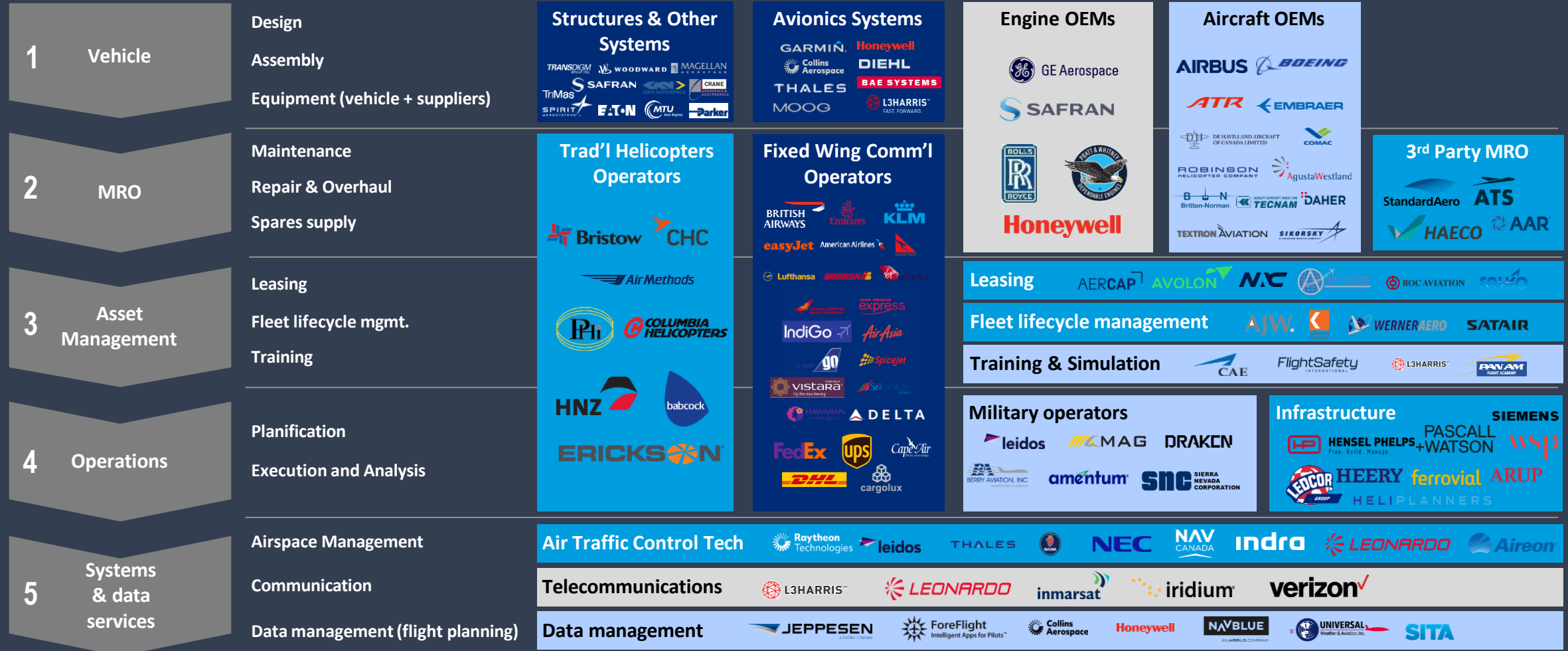


Existing Aerospace Value Chain

REVOLUTION.AERO DUBLIN

Aerospace Value Chain Components

Key players (illustrative and non-exhaustive)



Est. # of Companies 5 - 10 10 - 50 50 - 200 200+ Source: Oliver Wyman analysis

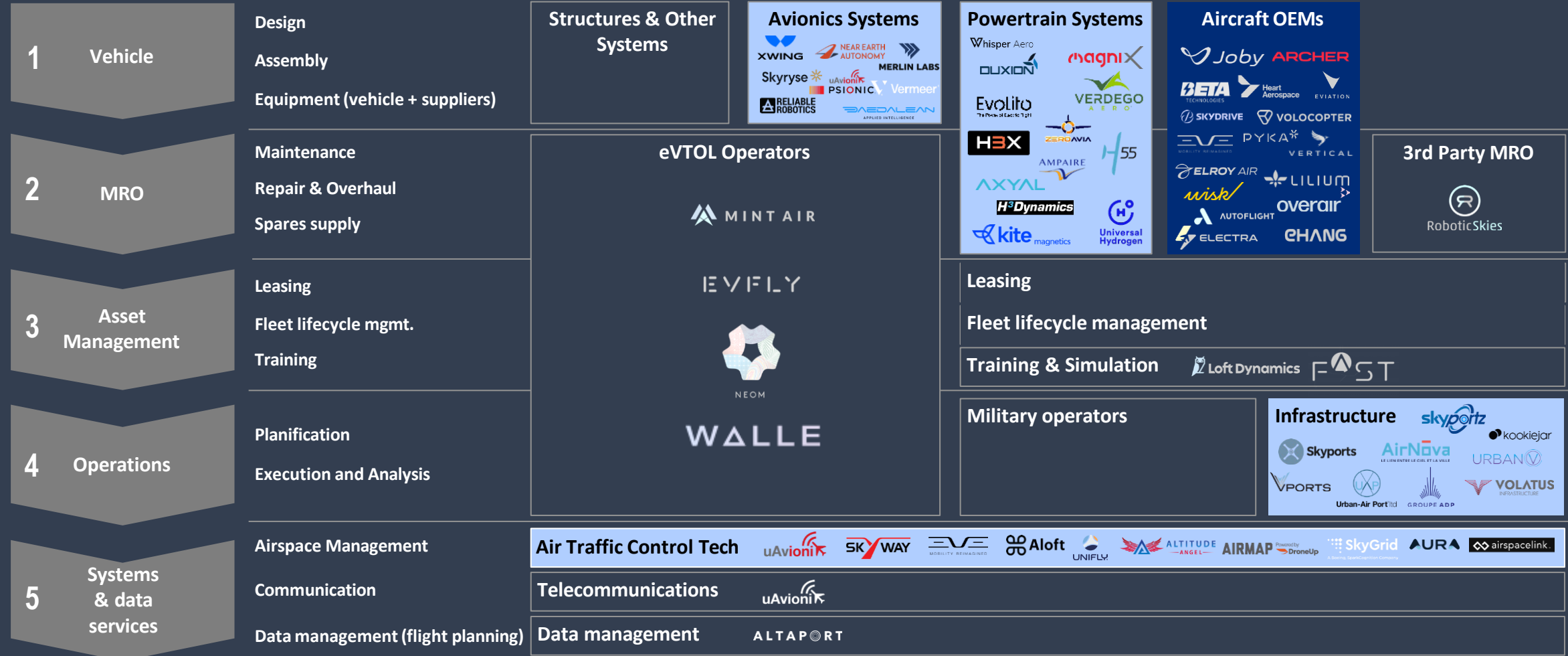


AAM Value Chain: Startups Stimulating the Market

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Value Chain Components

Key players (illustrative and non-exhaustive)



Est. # of Companies: 5 - 10, 10 - 50, 50 - 200, 200+

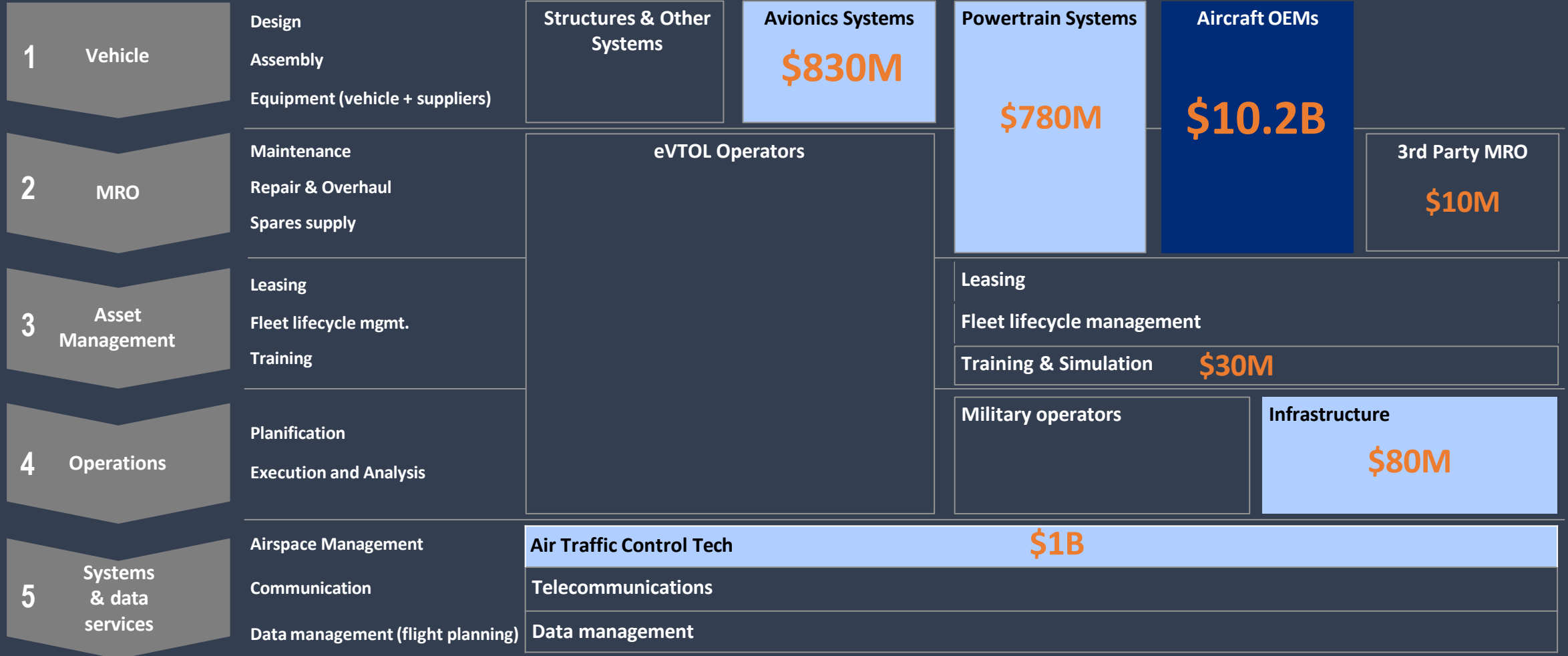
Source: Oliver Wyman analysis



AAM Value Chain: Startup Investment Totals

Value Chain Components

Key players (illustrative and non-exhaustive)



Est. # of Companies: 5 - 10 (grey), 10 - 50 (light blue), 50 - 200 (medium blue), 200+ (dark blue)

Source: Oliver Wyman analysis, public investment information

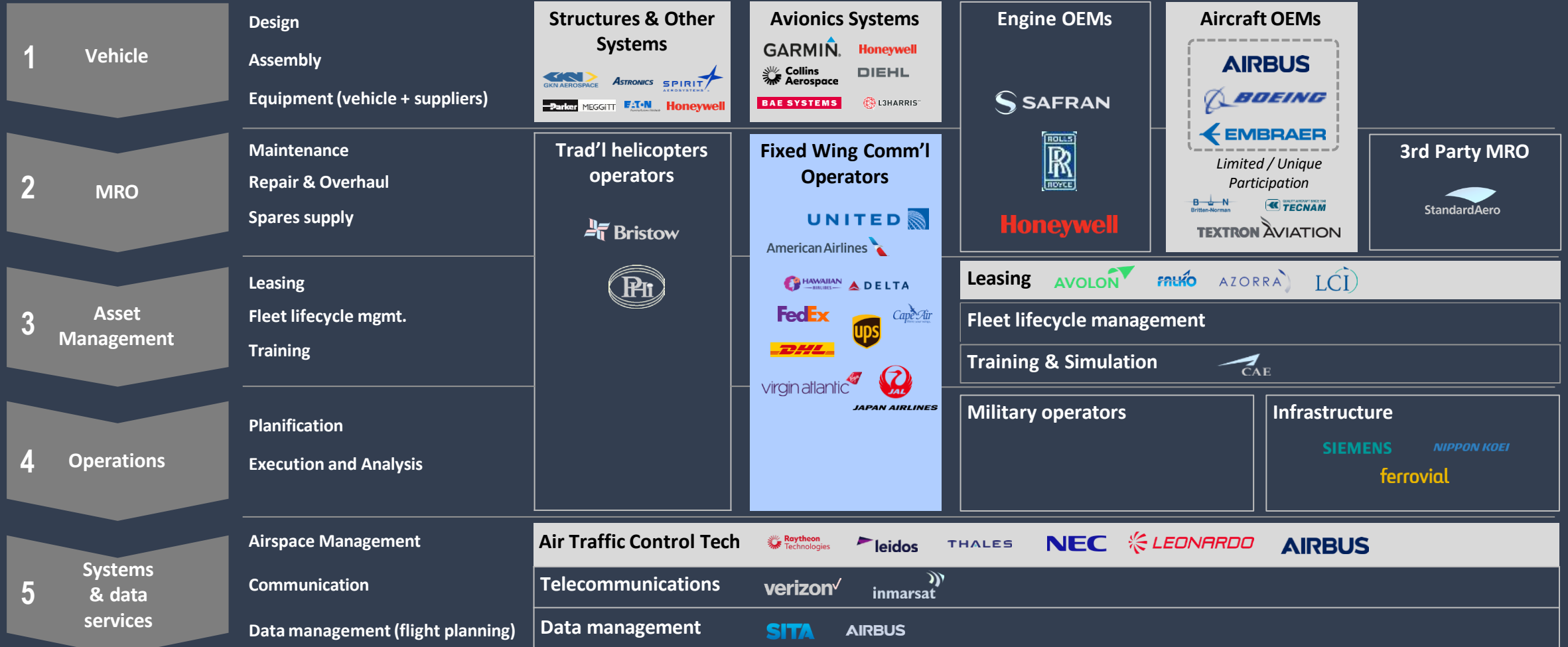


AAM Value Chain: Trad'l Stakeholder Participation

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Value Chain Components

Key players (illustrative and non-exhaustive)



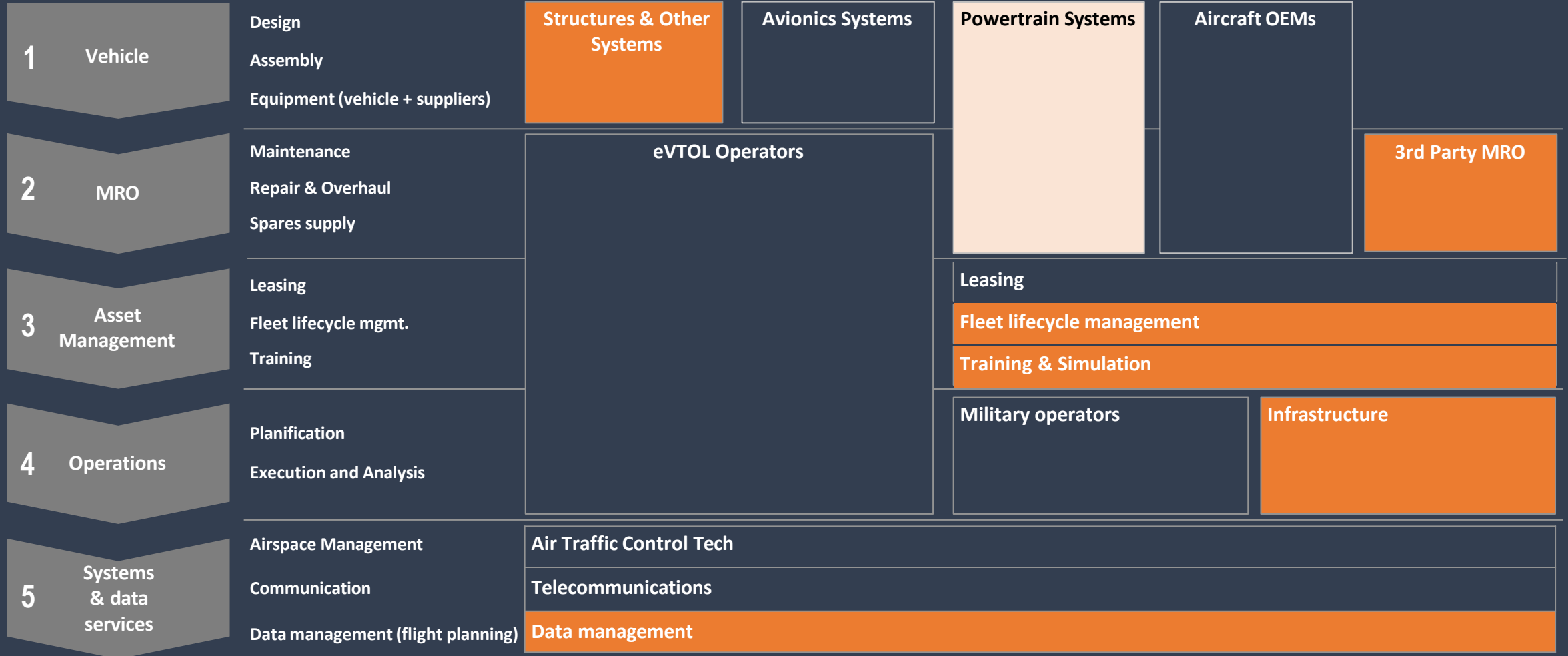
Est. # of Companies 5 - 10 10 - 50 50 - 200 200+



AAM Value Chain: Areas Requiring Attention

Value Chain Components

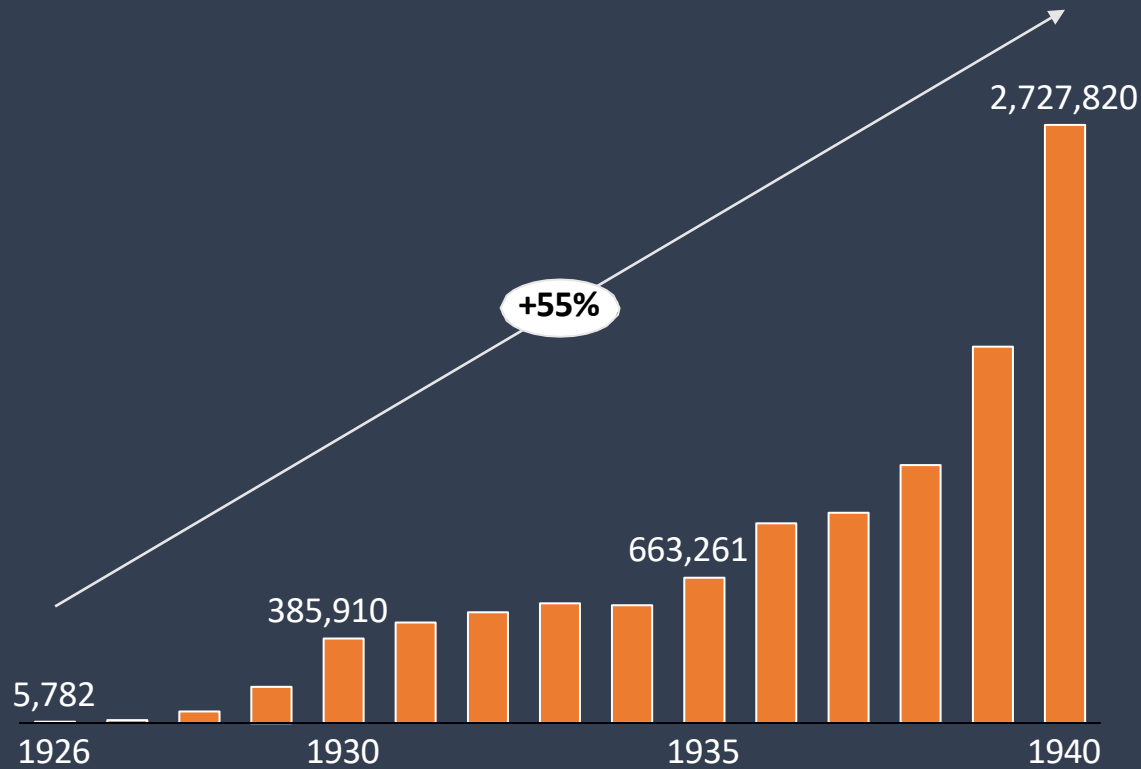
Key players (illustrative and non-exhaustive)



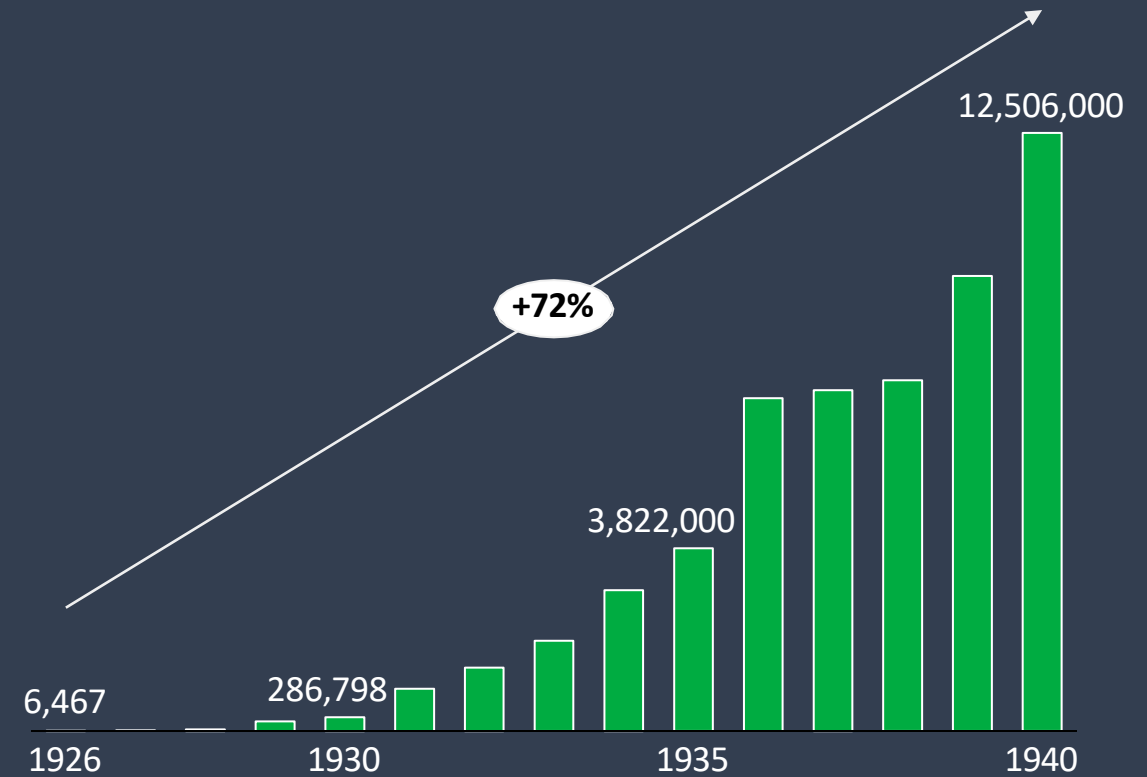


Explosive Growth is Achievable – but requires patience

Passengers Carried by U.S. Airlines: 1926-1940



Express Mail Carried (Pounds): 1926-1940





Key Takeaways

- Early market growth will depend on not only successful aircraft, but also capable supporting ecosystems
 - Stakeholders must consider the degree of ecosystem customization that is required to unlock diverse AAM opportunities (by geography, mission, aircraft type, etc.)
- Startups and traditional aerospace both have essential roles to play
 - Collaboration will accelerate the industry's evolution