



Airbus Movilidad Aérea Urbana

...y más (oportunidades para Latino América)

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Head of Latin America UAM

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2030: up to 5bn people will live in cities, 60% of the world population

CURRENT AND FUTURE MEGACITIES 2015 - 2030



Current megacities
 ● 2015 population
 ● 2030 population

Future megacities
 ● 2015 population
 ● 2030 population

Source: World Urbanization Prospects: The 2014 Revision


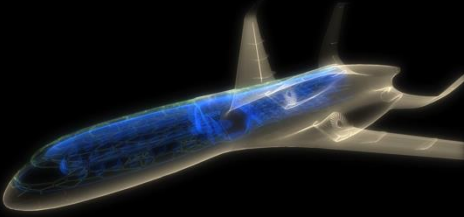

*Lima Metropolitan +10m (E) manually added

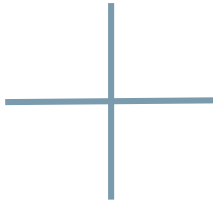


Digital ride sharing platforms created transportation giants all over the world



A series of new technologies and business models will allow us to rethink aerospace radically

Distributed electrical propulsion	
New structural concept	
Advanced avionics / autonomy, ATM	



Infrastructure	
Connected passenger	
Advanced business model	

Latin America: In São Paulo it takes 2h from airport to city vs. 10min by helicopter



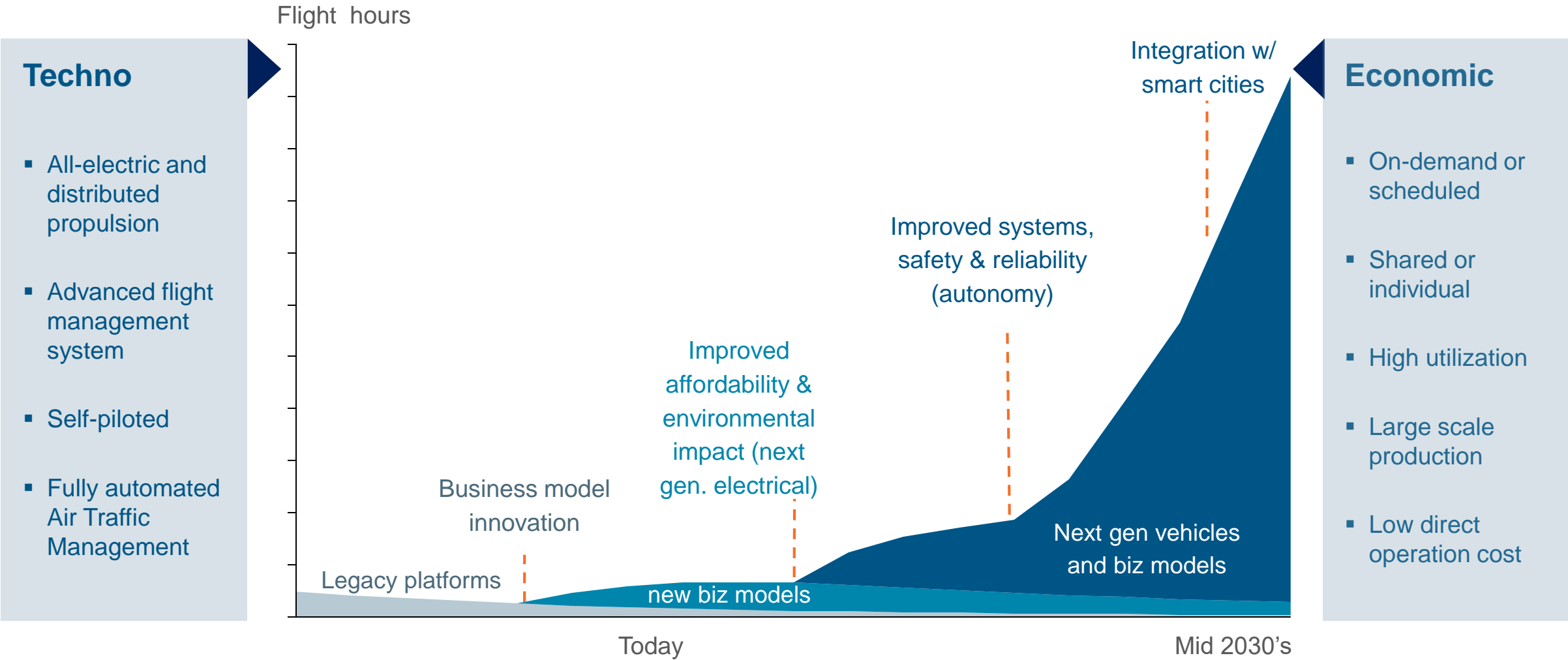
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Urban Air Mobility is one part of the solution



Techno-economic evolution will shift UAM from premium to a mass market solution

illustrative



Urban Air Mobility is more than just a vehicle... it's about the value chain!

Urban Aircraft	Support & Service	Flight Operations	Air Traffic Management	Ground Infrastructure	Passenger Solution
					
<p>Design, Development and Production</p>	<p>Maintenance, Repair, Overhaul Spare parts</p>	<p>Operation of the Urban VTOL Acquisition or leasing of VTOL</p>	<p>Develop and operate ATM solution for Urban VTOL</p>	<p>Installation and maintenance of VTOL pads</p>	<p>Booking application for flight trips</p>

The Vahana – a self piloted eVTOL demonstrator



The CityAirbus demonstrator

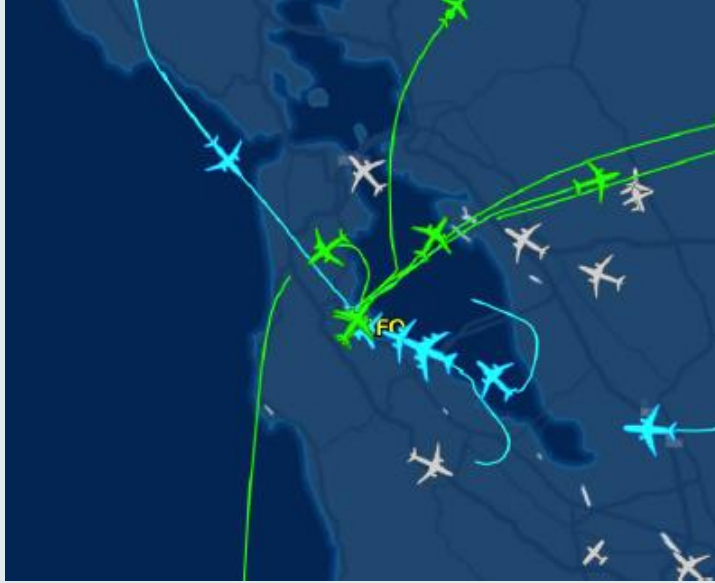


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Aviation: Outstanding safety despite a century of unprecedented growth

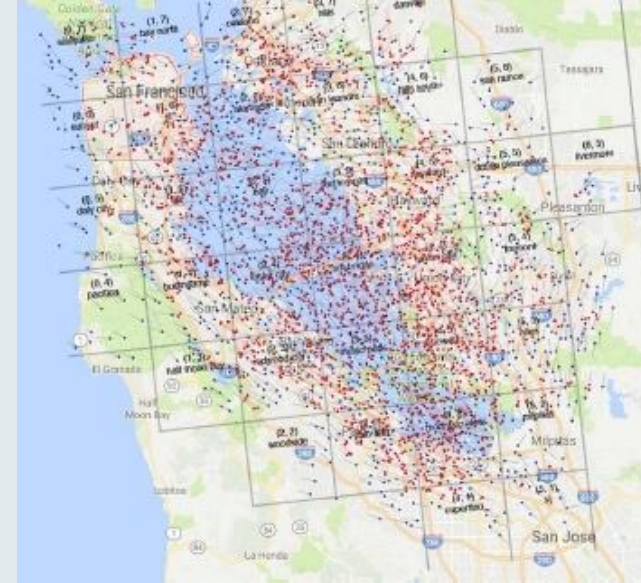


ATM: urban traffic density could increase significantly



TODAY

Traffic over the SF Bay Area (11am pacific, typical Thursday)



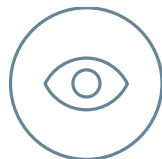
2035

Projected UAS traffic over the SF bay area in 2035; ~ 5.000 vehicles flying at any given time of day

Current limitations and constraints



Nominal urban operations not allowed



Only VFR



No regulatory framework

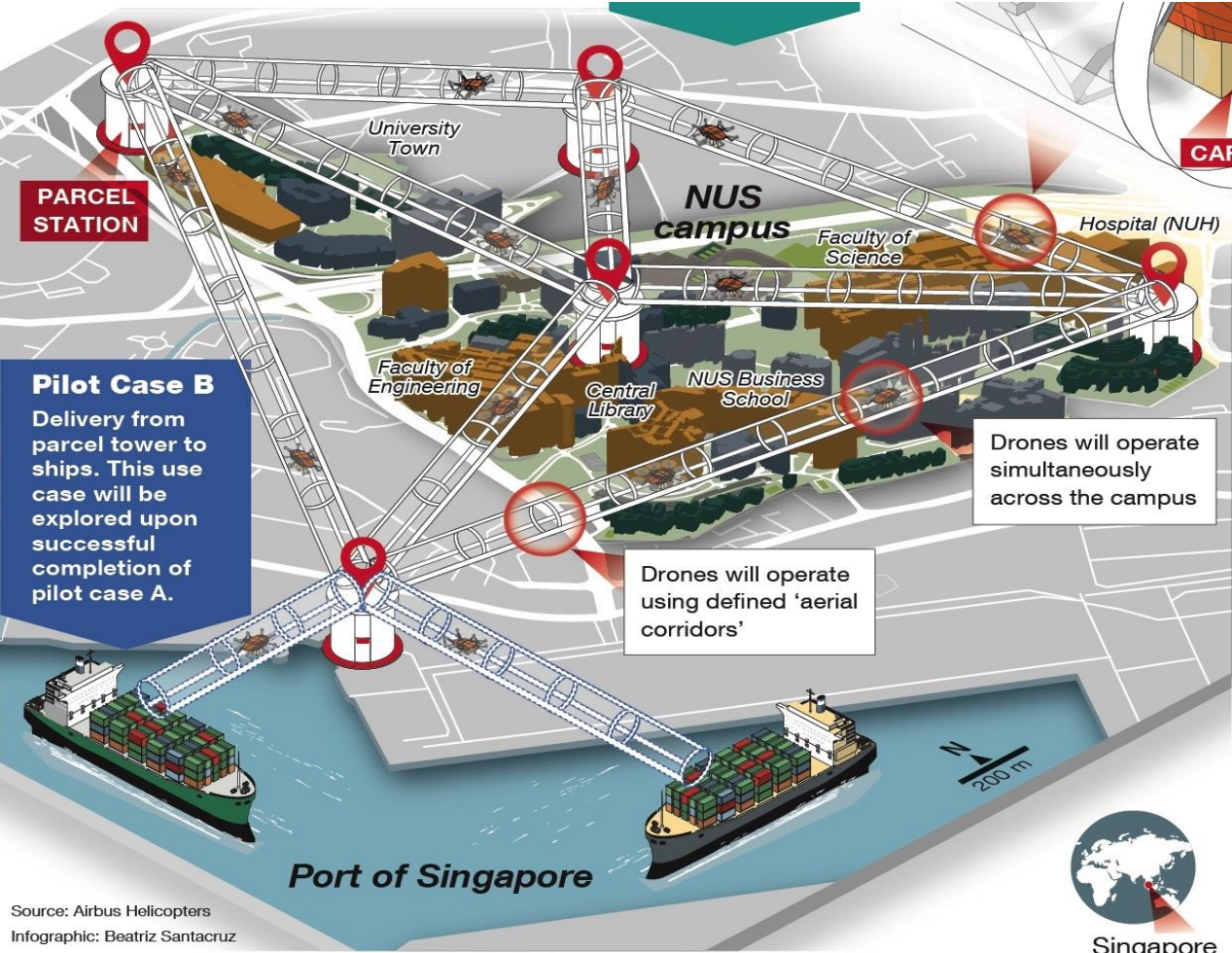


Drone operations not allowed in urban areas



Limitations on air & noise pollution

Project Skyways is a system of systems, with an aerospace grade drone, operating BVLOS, incl. the required operating system



Source: Airbus Helicopters
Infographic: Beatriz Santacruz

Airbus Voom combines traditional helicopter air taxi with innovative business model

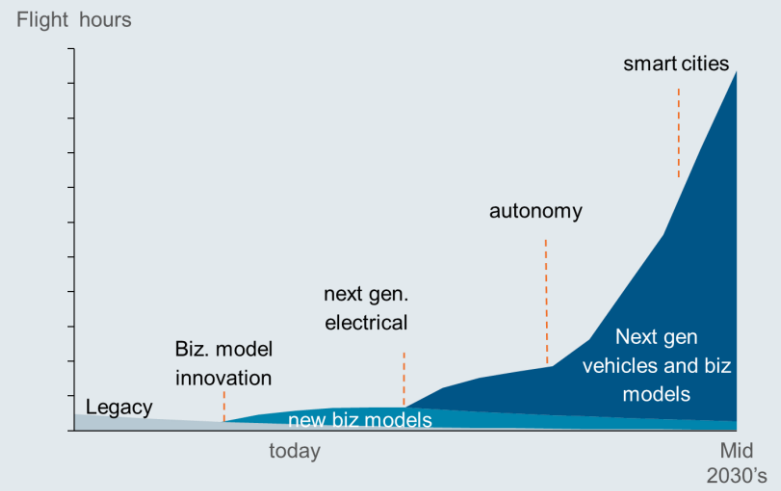


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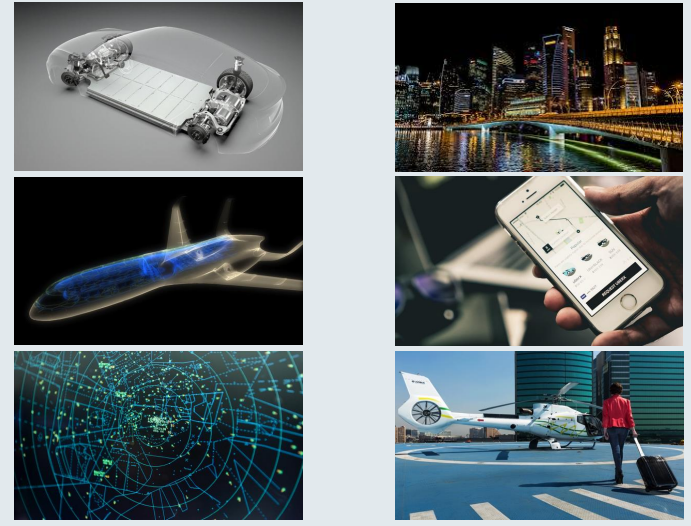


Una gran oportunidad para construir el futuro juntos

A strong market need



Technology



Manageable projects

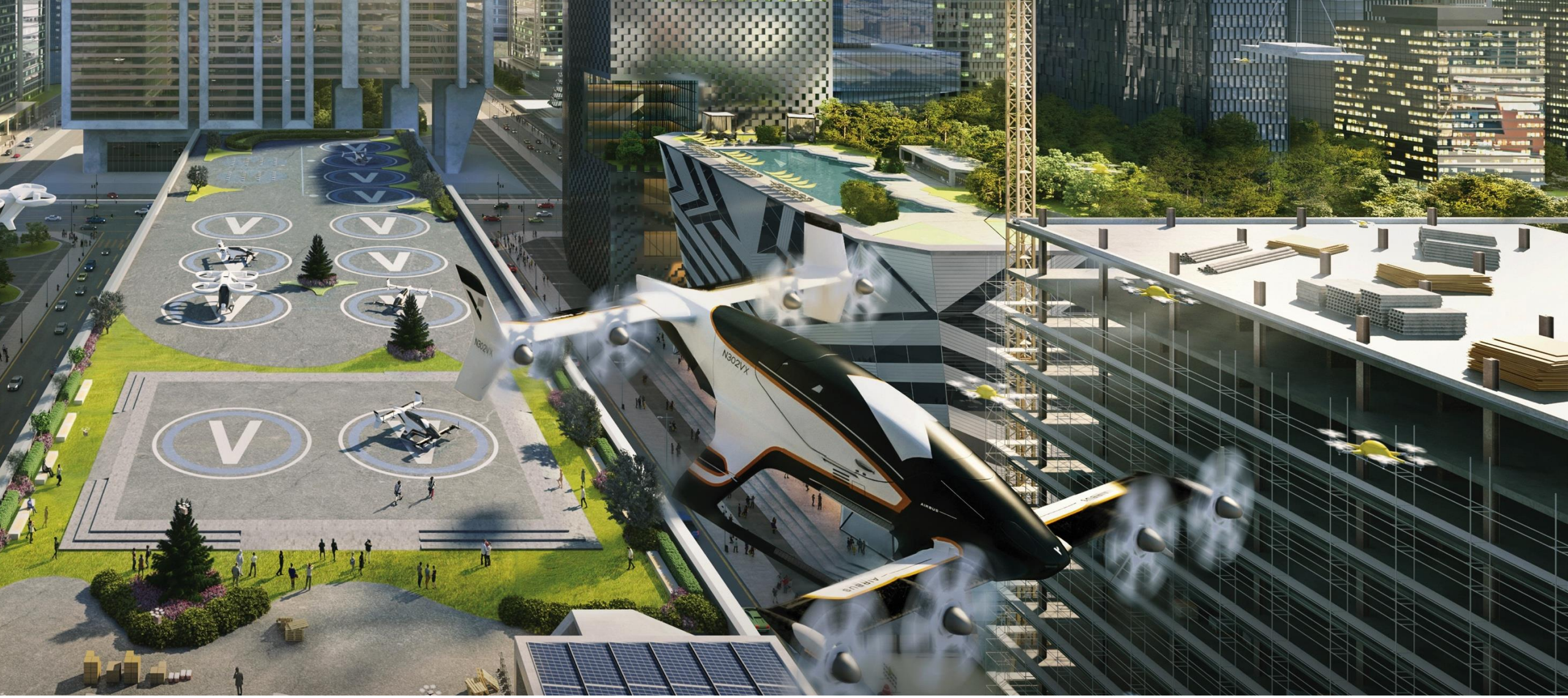


An ecosystem approach engaging with partners and authorities early on



Oportunidades para América Latina





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Muchas gracias!

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