



supernal

ASA / AFRA Conference

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## Global Population

10 billion people by 2050

2/3 in urban environments

## Pollution

cities account for 2% of the land area

but contribute 70% of emissions

## Congestion

cars on the road forecast  
to double from 2015 - 2030



# Advanced Air Mobility Use cases and benefits

Urban Air Mobility  
(UAM)

Regional Air Mobility  
(RAM)

Non-commercial Services



# Our focus is on addressing the needs of this diverse group of stakeholders

## What are stakeholders' concerns?

funding // public acceptance // regulation // demand  
conflicting timelines // roles & responsibilities

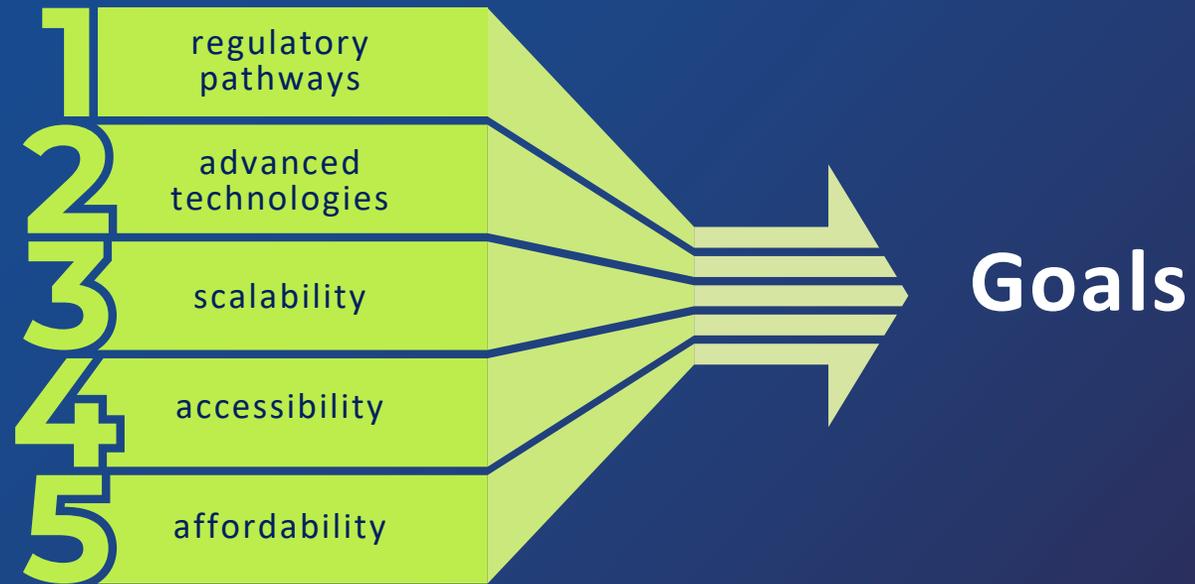
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## What is the value proposition?

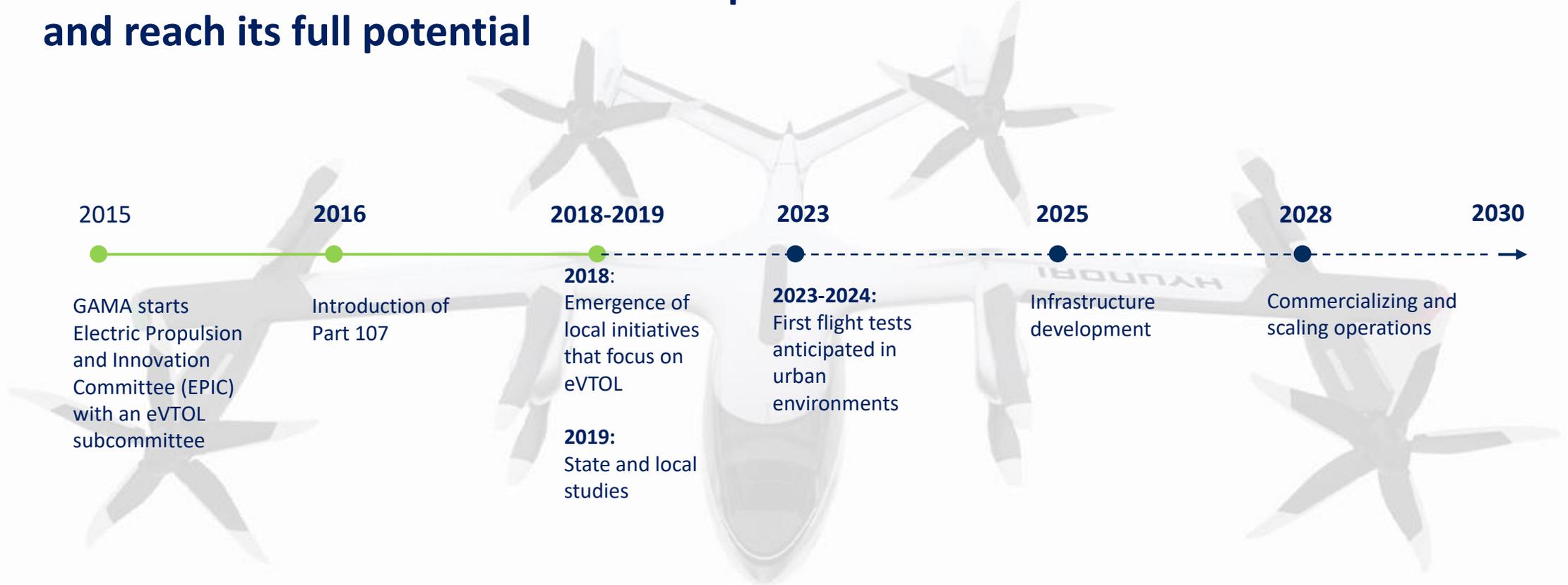


We will achieve our goals through collaborative partnerships

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# AAM market will take time to develop and reach its full potential



## Despite progress in the industry, we need:

A clear pathway for infrastructure development

Public awareness and acceptance

Multi-jurisdictional governance & coordination

A roadmap for multimodal integration



# Many players are vying to lead this new era of mobility

JOBY

SureFly



astro

LIFT  
AIRCRAFT

AUTONOMOUS  
FLIGHT

VIMANA™



CARTIVATOR



JAUNT  
AIR MOBILITY

XTI  
AIRCRAFT

EHANG

JETOPTERA



VOLOCOPTER

SkyDrive.

EMBRAER

PAL-V

PIPISTREL

ZAPATA

MAXWELL  
INNOVATIONS



Aurora  
FLIGHT SCIENCES  
A Boeing Company

KAREN  
AIRCRAFT, INC.



VERTICAL

JETPACK  
AVIATION

EVIATION

hop  
flyt

LILIUM

moller  
MOLLER INTERNATIONAL



NEVA  
AEROSPACE

OPENER

AIRBUS  
HELICOPTERS

DELOREAN AEROSPACE



# Hyundai possesses the commercial engine to make AAM/UAM ecosystems a reality

Cost effective, High-quality mass production of vehicles



Diverse capabilities for UAM infrastructure and financing



Unique technological edge & partnerships



BostonDynamics



aptive

The result of these unique strengths and capabilities is a fully integrated mobility solutions provider well positioned to build AAM markets



# Supernal is making a long-term commitment to develop the market

## Mission

Connect communities and enable passengers to save time by offering seamlessly integrated intermodal mobility solutions

## Vision

Create progress for humanity by delivering people-centered mobility solutions that are safe, accessible, and sustainable



# Our intermodal transportation model will seamlessly integrate all aspects of the ecosystem



**1. Personal Air Vehicle (PAV)**

eVTOL mobility solution that enables urban air travel

**2. Skyport**

Located on top of the Hub, connects PAV to the Hub

**3. Hub**

New mobility space connecting air-based UAM and ground based PBV

**4. Purpose Built Vehicle (PBV)**

Eco-friendly urban vehicle that offers customized service in transit (i.e. coffee shop, medical clinic)

**5. Docking Station**

Located on ground floor of the Hub, connects PBV to the Hub



## A word about Safety

Supernal is voluntarily implementing a Safety Management System that meets or exceeds industry best practice and anticipated regulatory requirements

In addition, we are committed to supporting partners' SMS implementation, creating interfaces to enable a holistic approach

We are working to exhibit leadership in information sharing and collaborative initiatives to enhance safety throughout the industry

Beyond SMS, we are exploring the implementation of voluntary safety programs such as

- Aviation Safety Action Program
- Flight Data Monitoring
- Voluntary Disclosure and Reporting Program
- Line Operations Safety Audit

