



Hyundai UAM

Urban Air Mobility

March, 2021

Hyundai Motor Group

New technologies and new business models make UAM possible



UAM has clear applications that will transform the way communities connect and move

Passenger transport



Movement of goods



Public Use



Liberation from traffic congestion



Congestion

Cars on the road forecast to double from 2015-30

Pollution

Cities contribute 70% of emissions from 2% of the land area

Seamlessly integrated mobility will give back time to people to enhance quality of life

Democratization of urban air mobility



Too noisy
Over 85dB @ 500ft

Unaffordable for public
\$1,800 for Manhattan to JFK (8 minutes one-way ride)

Urban Air Mobility market is projected to grow to \$ 1,500B by 2040+

UAM market forecast

* Morgan-Stanley



* Other forecasts

BCG \$ 20-300B
McKinsey \$ 30-90B

Porsche \$ 32-74B



HYUNDAI
MOTOR GROUP

More than 250 companies are working on vehicle development

JOBY

SureFly



astro

LIFT
AIRCRAFT

AUTONOMOUS
FLIGHT

VIMANA™



CART!VATOR



JAUNT
AIR MOBILITY

XTI
AIRCRAFT

CHANG

JETOPTERA



VOLOCOPTER

SkyDrive.

EMBRAER

PAL-V

PIPISTREL

ZAPATA

MAXWELL
INNOVATIONS



Aurora
FLIGHT SCIENCES
A Boeing Company

KAREM
AIRCRAFT, INC.



VERTICAL

JETPACK
AVIATION

EVIAION

hop flyt

LILIUM

moller
MOLLER INTERNATIONAL



NEVA
AEROSPACE

OPENER

AIRBUS
HELICOPTERS

DELOREAN AEROSPACE



HYUNDAI
MOTOR GROUP

Hyundai UAM has unique strengths with comprehensive capabilities

Cost effective, high-quality mass production

37 in
10 countries

Manufacturing plants

100
million +

Cumulative sales

Diverse capabilities of HMG affiliated companies

Parts

MRO

Infrastructure

Financing

Unique technological edge

Electrification



Fuel cell



Integrated mobility solution provider

Seamless experience with
Ground + Air mobility solution

Our goal is supported by 4 pillars and 4 cornerstones

4 Pillars



Safe



Quiet



Affordable



Passenger centered

4 Cornerstones

Design with utmost safety and quieter than acceptable noise level from Day 1

Flight tests in relevant environment and / or real applications

Design with manufacturability and maintainability from Day 1

Design with passenger comfort and aesthetic beauty from Day 1

We target a No.1 player in UAM market

Thrust

1

Build a family of vehicles



Air Cargo

Market enabler & pathfinder



UAM

Quickly transport people from suburbs to city centers



RAM

Extend UAM range to reach adjacent cities

Thrust

2

Develop game-changing technology

Design for Manufacturability

Produce aircraft in large numbers and more cost effectively than aviation OEMs can right now

Hydrogen Fuel Cell Powertrain

Extend vehicle range / efficiency beyond what batteries can support

Thrust

3

Build UAM Eco-System

Partnership

Work with partners to support vehicle development, open a new market and accelerate growth for HMG

Policy / Regulation

Shape industry standards and influence development of certification methods

Public Acceptance

Engage directly with stakeholders on their concerns and the benefits UAM can bring to their communities

Future Cities – much more livable with cleaner air

