

LONG DISTANCE
FLIGHT WITH
HEAVIER PAYLOAD

WE PROVIDE FUTURE MOBILITY



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UAS
UNMANNED
AIRCRAFT
SYSTEM



INTRODUCTION

AstroX Co.,Ltd.
UNMANNED AIRCRAFT SYSTEM

Heavy load/mid-to-long range aircraft Technology specialized company

It is our mission to send heavy payloads farther safely.

We will be at the center of future mobility and create a related service industry with stable supply everyone can enjoy future air mobility safely and inexpensively.



HISTORY

Specializing in large manned and unmanned aircraft POST X AstroX

2018

2018.01
Establishment of new corporation
(19th floor, Seo-gu, Incheon
Metropolitan City-Robot Tower)

2018.05
Venture business certification (No.
20180105697)

2018.06
Selected as a technologically
innovative start-up company

2019

2019.07
Army Intelligence School Combat
Experiment Agreement (KCTC)

2019.12
SPH Engineering UGCS
Joint development of swarm drones

2019.12
Selected as a leading aviation
company in Incheon Metropolitan City

2020

2020.01
Samsung Electronics Collaboration
(Giheung Hwaseong Campus indoor facility
inspection drone)

2020.03
Water-operated single-person personal aircraft
PAV development begins

2020.12
Selected as the sole operator of the Seoul
Metropolitan City testbed "PAV"

2021

2021.02
Selected as a special zone business
operator in the leisure PAV sector
in the Chungbuk Drone Special
Liberalization Zone

2021.12
Selected as a global IP
star company

2022

2022.06
Ministry of Land, Infrastructure
and Transport K-UAM Grand
Challenge Consortium Confirmed

2022.09
Seoul Metropolitan City
Testbed PAV Project Final
Success Judgment

2023

2023.03
Successful completion of UAM flight demonstration in
Incheon Metropolitan City

2023.04
Participated in heavy load drone flight demonstration
at Ministry of Land, Infrastructure and Transport drone
demonstration city

2023.06
Participation in the design and production of the
reconnaissance strike drone project

2023.10
Ministry of Land, Infrastructure and Transport K-UAM
Grand Challenge GC-1 demonstration in progress

AMPHIBIOUS ASX-PAV01

2020-2021
Korea's first award-winning PAV

2020-2021
Successful demonstration of PAV technology in Seoul
The only company in Korea to obtain safety certification

2022-2023
Incheon City UAM demonstration project
representative business operator

2023
K-UAM Grandchallenge Participant



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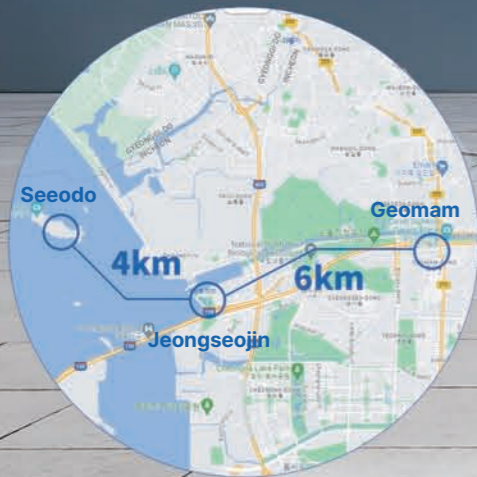



AMPHIBIOUS AX-80D

Logistics Transportation / LAST MILE

Secure profitability through regular shuttle flights
Cargo weight expanded to 300kg

- Expected annual sales per unit: approximately KRW 580 million
- 1Kg/1Km = 1,000 won, 80kg per time
- Operating 10 times a day, 365 days a year, based on a one-way distance of 20 km.
- 58 billion won per year when operating 100 vehicles nationwide



 Operating hours
30min

 Cargo maximum
80Kg

AMPHIBIOUS AX-80F

Disaster Response

Equipped with 6 times more fire extinguishing fluid than existing fire-fighting drones
A relay shuttle flying building fire prevention line

- Vertical lift type fire drone with improved effectiveness
- Loads 6 times more fire extinguishing fluid and extinguishes fires than existing fire-fighting drones
- In disaster situations such as large-scale forest fires, build fire prevention lines



LONG DISTANCE FLIGHT WITH
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Operating hours
35min



fire extinguishing module
60Kg

BUSINESS TARGET

MILITARY

Military manned and unmanned aircraft

Chungnam liquid hydrogen technology special aircraft (drone) developer [Developing a large-scale hydrogen hybrid VTOL with a mission range of 100 km]

Utilizing the developed single-person water PAV technology and commercializing military manned and unmanned aircraft



Entering the UAM market

Dominating the PAV market with two or fewer seats

The goal of PAV

- Maximum transport capacity 300kg (2 seats)
- Safe operating distance of 50km or more
- Maximum flight time 60 minutes
- Mass production line begins operation in 2025

More, farther, Transport safely

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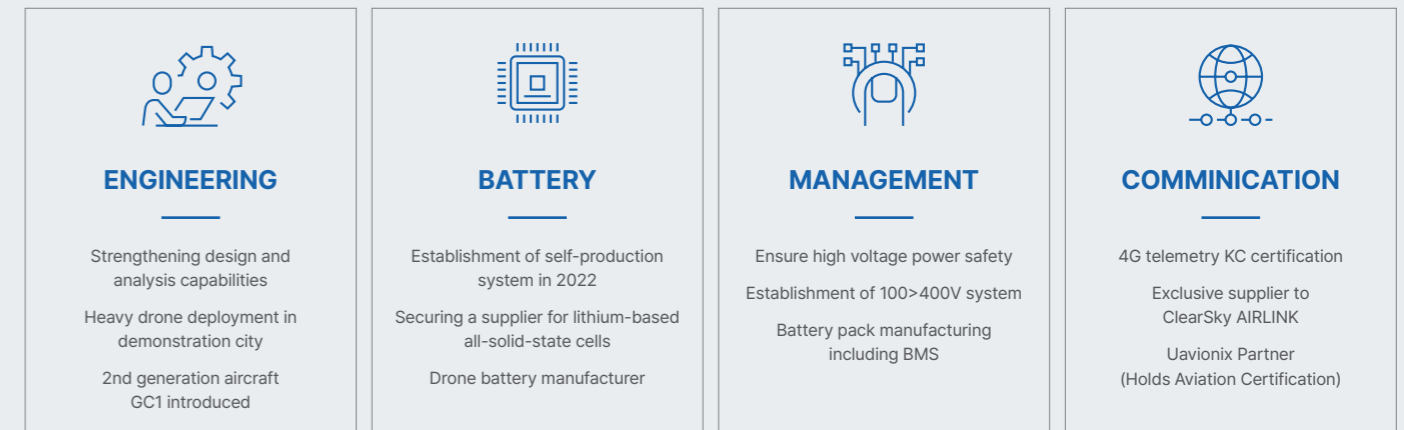
The flight time is up to 1 hour and 30 minutes, and it can scan approximately 200,000 pyeong in one flight. It is a multi-purpose vertical takeoff and landing drone that can be used for industrial and defense purposes depending on the payload (mission equipment), such as surveillance and reconnaissance, search missions, and surveying.

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2023 Years

UAM Grand Challenge, Drone Demonstration City, Super Gap Startup



Collaboration - KENCOA AEROSPACE

Mass production and commercialization

