G3AM

Global
Association for
Advanced
Air Mobility

Global Standardization Platform

G3AM (Global Association for Advanced Air Mobility) is an international cooperation platform for standardization, pioneering the creation of a global ecosystem for the AAM industry.

About **G3AM**

G3AM is a de-facto standardization organization developing and maintaining new standards in various fields such as AAM information sharing systems, traffic management and traffic control, and essential navigation performance, ensuring interoperability and compatibility between these standards.

Established by key members the UAM Korean team participating in the Korean government-run K-UAM Grand Challenge*, G3AM is developing standards based on data optimized for urban environments obtained from the challenge.

G3AM collaborates with companies and organizations across the world specializing in AAM to develop and distribute the latest AAM standards globally. The standards developed by G3AM increase reliability in the global market and help member companies secure global competitiveness.

*K-UAM Grand Challenge

K-UAM Grand Challenge is a world-class demonstration project conducted in urban areas to establish successful operating standards for UAM. It is organized by departments of the Korean government, with participation from global UAM companies and organizations. In particular, the establishment of a traffic management system using commercial communication networks such as 5G, the establishment of an information sharing system based on SWIM concepts, and the use of virtual integrated operation simulators are being promoted for the first time in the world.

Notably, opportunities for participation will be provided not only to Korean enterprises but also to companies and institutions worldwide, including from the US and Europe, allowing the world's leading companies to cooperate and creating a space for global interaction and fusion between the newest technologies.

G3AM VISION

> **Creation of a sustainable global AAM industry ecosystem**

G3AM MISSION

G3AM cooperates with a variety of stakeholders within the AAM ecosystem in order to develop global AAM standards.

G3AM develops standards to ensure interoperability and compatibility for stakeholders in the ecosystem, with the goal of safe operation of AAM.

G3AM verifies whether functionality, performance and other criteria meet the requirements set by the G3AM standard so that AAM products and services can be used more efficiently.

Terms of Reference

- AAM information sharing system
- AAM traffic management and operation controls
- Required navigation capabilities for AAM performance-based navigation
- AAM surveillance information verification
- Infrastructure such as AAM communications/navigation/surveillance, Vertiport, etc.

Membership Benefits

Participation in Technological Development and Standardization
01

G3AM members participate directly in the process of developing standards in the AAM area and can specify technological specifications and secure technological influence. This allows them to set the direction of standardization and contribute to technological development.

Interoperability and Market Access
02

G3AM members can develop and provide products and services which adhere to G3AM standards. Products and services following G3AM standards can secure competitiveness recognized by the global market.

Access to Technology Information and Trends
03

G3AM members collect information including technology reports related to standardization projects being carried out by G3AM, research results, and the status of standards development, and can establish the technology strategies that guide the AAM industry.

Opportunities for Networking and Cooperation
04

Networks can be formed with global standardization bodies and member companies that work with G3AM. Additionally, by participating in AAM-related exhibitions and conferences it is possible to interact with other members and form strategic partnerships. In particular there is the opportunity to cooperate with companies and organizations participating in the Korean government's K-UAM Grand Challenge.

Our Members

ARX	CAMTIC	CLROBUR	DOOSAN	환경과 안전 (주식회사) Environment & Safety
ETRI	FAR EAST UNIVERSITY	FINE VT Robotics Lab	GIVO Corp.	Hanwha
HYUNDAI	iGiS	Incheon Airport	항공우주산학융합원 Institute for Aerospace Industry-Academic Collaboration	J.MARPLE
KAC	KAERI	KARI	KENCOA AEROSPACE	KEPCO E&C
KETI Korea Electronics Technology Institute	KIAST	KiSTi Korea Institute of Science and Technology Information	KMIA Korea Meteorological Industry Association	KNU
KOREAN AIR	kt	KU KONKUK UNIVERSITY	U+	LIG Nex1
MOPIENS Right on Technology	PABLO AIR	PRENEU	Qualcomm	rgblab
RUDASYS Aerospace	SEJONG UNIVERSITY	SHiFT	SK telecom	Smatii Smart Technology & Innovation Integration
SOLETOP Remote sensing & Telepresence	SOOM VI	SR	SUNDORI DRONE	TAEKYUNG
TnGEN (주)티엔젠	UMAC Air PROFESSIONAL U.A.V. PLATFORM	Vessel AEROSPACE	WIABLE	WooriDyul
KRA UV Korea Research Association for Unmanned Vehicle				

Sponsor   TTA

Information on Becoming a Member

Enterprises and institutions that are interested in joining are asked to contact us using the email address below.

Contact : g3am@g3am.org

G3AM

Global Association for Advanced Air Mobility

Contact Information

G3AM Secretariat :
KRAUV (Korea Research Association for Unmanned Vehicle)

G3AM is operated by KRAUV, Korea's largest unmanned vehicles collaboration group.
This is a non-profit institution supported by the R&D operations of the Ministry of Science
and ICT, established under the Industrial Technology Research Cooperation Fostering Act
of the MSIT of the Republic of Korea. Members and related companies include the AAM
National Research Institute.

G3AM

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