

Autonomous Transportation Public Trust Initiative

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ADVANCED AIR MOBILITY
— INSTITUTE —

Synopsis



Autonomous Transportation Public Trust Initiative:

A multi-stakeholder initiative (MSI) which brings together industry players to drive consensus on the values and principles we will commit to up front to collectively mitigate foreseeable human rights violations within the emerging AAM industry.

World Expo Co-Creation Challenge



Our Team at the Advanced Air Mobility Institute is honored to have our ATPT Initiative accepted as an official co-creation challenge for the Osaka World Expo 2025. The ATPTI foundational charter was drafted by Kayla Holwick Gray, a Juris Doctor candidate from the University of Oklahoma College of Law under my guidance during externship.

We welcome all interested parties to join us!

World Expo Co-Creation Challenge



www.atpti.org



shepherding in a new era of mobility and safety

Advanced Air Mobility Institute



501(c)3 international non-profit research center dedicated to educating and advocating for the broadest public benefit through the AAM ecosystem globally.

Ultimately, the Institute is committed to protecting people, their rights, and the systems we rely on. We seek to accelerate access to these new technologies in an ethical and responsible way.

AAM, the Industry



Advanced Air Mobility is the emerging aviation ecosystem that leverages revolutionary new aircraft (i.e. *eVTOL & UAS drones*) and a broad array of innovative technologies to safely, quickly, affordably, and sustainably move people and goods among local destinations to connect communities underserved by existing modes of transportation.

The AAM Institute has 3 guiding principles to focus our efforts: *Safety, Dignity, and Security*

Safety



AAM needs to build a robust safety culture where data drives learning. Moreover, AAM technology should be available immediately to public safety agencies in order to expedite response time and thereby save more lives. Brilliant scientists and aerospace engineers have mastered the physics for practical application but each day that passes without access due to regulatory red tape, **we lose people unnecessarily.**

Safety



We are leading the effort to promote Drones as First Responder (DFR) programs as well as eVTOL as Air Medical Service (eAMS) programs through the AAM Public Safety Cooperative. To identify safety trends and allow operators to report on an anonymous non-attribution basis, we are compiling the Global Safety Database (GSD).

*GSD is led by EVP Tracy Lamb with expertise in [Uncrewed Safety Analysis](#)

Dignity



The Institute will continually engage with industry throughout the world to provide **education and honest assessments** regarding the state of AAM in their community. Through the Society for Zero Emission & Equitable Mobility, we are committed to ensuring that AAM is both sustainable & affordable in a way that the benefits of this new ecosystem are shared in accordance with the Net Zero CO2 Emission goal.

Security



With an eye toward the future, the Institute promotes educational, financial, and operational security. We will rally decision makers to invest in youth STEM education and encourage OEMs to implement proactive cybersecurity measures well before the dawn of **cryptographically-relevant quantum computers**. AAM is designed to more quickly transport people and goods but a failure to allocate resources to Security will jeopardize reliability and eliminate time savings.

Multi-Stakeholder Initiatives



MSIs are frameworks for voluntary engagement between industry, civil society, governments, and non-profits like the AAM Institute.

Ultimately, MSIs seek to illustrate that when companies take advantage of gaps in local laws that fail to **protect fundamental rights**, they may win short-term gains but inevitably experience long-term loss so it's in everyone's best interest to collectively agree to avoid such practices.

Autonomous Transportation Public Trust Initiative



ATPTI leverages best practices from the most successful MSIs in history: including Global Network Initiative (GNI) for **right to privacy** in ICT and Extractive Industries Transparency Initiative (EITI) for **child exploitation** in supply chain.

ATPTI is upholding freedom of movement, peaceful assembly, security of person, education, right to work, and enjoy the benefits of science in the AAM sector.

a. Freedom of Movement



UDHR Article 13:

Everyone has the right to **freedom of movement** and has the right to leave any country.

AAM will increase transportation options and thereby expand this right, but unfair and arbitrary restrictions on eVTOL flights should be mitigated.



b. Peaceful Assembly



UDHR Article 20:

Everyone has the right to **freedom of peaceful assembly** and association.

AAM will also expand this right but still need policies that prevent unfair and arbitrary restrictions on eVTOL flights that squelch public demonstrations and protests.



c. Security of Person



UDHR Article 3:

Everyone has the right to life, liberty and security of person.

Since eVTOLs will be cheaper, quieter, and easier to operate than helicopters, they could be abused for use in human trafficking.



d. Education



UDHR Article 26:

Everyone has the **right to education**.
Technical and professional education
shall be made generally available and
higher education shall be **equally
accessible** to all on the basis of merit.

AAM can increase access to high quality
schooling for scholars who live in more
rural and remote communities.



e. Right to Work



UDHR Article 23:

Everyone has the **right to work**, to free choice of employment, to just and favorable conditions of work and to protection against unemployment.



At the AAM Institute we believe that eVTOLs can also promote equal access to **livable wage job opportunities**.

f. Benefits of Science



UDHR Article 27:

Everyone has the right freely to participate in the cultural life of the community, to enjoy the arts and to **share in the benefits of our collective scientific achievements.**

AAM is one of the world's most exciting scientific achievements and it should not be limited to the wealthy elite.



Unique Challenges in AAM



AAM has billions of dollars of investment flowing in and shareholders are eager to get a quick and profitable return. The capitalistic incentives have worked well to encourage the use of funds for R&D and as with most new technology the sheer numbers of limited supply, coupled with industry hype driving increased demand will force initial prices to a point that is **prohibitively expensive for everyday citizens**. It is naïve to think that pure market economics will work in their favor.

Hope for a New Industry



MSIs like GNI and EITI are faced with incredible inertia acting against their efforts because the ICT sector and extractives sector already had deeply entrenched and powerful actors before they ever launched.

In contrast, ATPTI has an incredible opportunity to set precedent *before* market shares are established in the AAM sector. Still, **we must act quickly!**

Conclusion



The Autonomous Transportation Public Trust Initiative is the world's newest MSI and if we can inspire a dedicated team of experts and local, in-country ambassadors in places where these infringements are most likely to occur, then there is potential to mitigate many harms.

We owe it to ourselves to try.