



Advanced Air Mobility

Air Taxis, Drones and You



NASA's work in Advanced Air Mobility will transform the way people and goods will move through the skies. This includes disaster, medical, and wildfire response. Credit: NASA

Revolutionizing Air Transportation

NASA's Advanced Air Mobility (AAM) research will transform our communities by bringing the movement of people and goods off the ground, on demand, and into the sky.

This air transportation system of the future will include low-altitude passenger transport, cargo delivery, and public service capabilities.

NASA is delivering data to guide the industry's development of electric air taxis and drones and to assist the Federal Aviation Administration (FAA) in safely integrating these aircraft into the national airspace for routine use. This will set the stage for a flourishing industry by the 2030s.



NASA partners with over 40 industry, academic and government entities to conduct research. See our partner list by visiting <https://www.nasa.gov/missions/aam/aampartners/>. Credit: Joby Aviation

Building the AAM Ecosystem

NASA is researching many pieces of the Advanced Air Mobility system through modeling, simulations, and flights to see how these elements will work together in harmony. This includes research in airspace, aircraft, automation, safety management systems, and more.

The air taxi and drone industry is already using tools and lessons learned from this wide-variety of NASA research to their benefit. Some tools include noise modeling software, automation technology, electric battery development, and more.



Advanced Air Mobility includes regional air mobility, which can connect travel more easily between cities and rural areas. Credit: NASA

Collaborative Effort with Regulators

NASA is informing industry and regulators as the FAA updates regulatory framework that will need to be met for these aircraft to fly. This will accelerate policy development and springboard the AAM industry forward to enable scalable, successful domestic industry business models.

Future AAM Benefits

AAM will benefit the public in several ways. Passengers can travel more easily between cities and rural areas, packages can be delivered on demand, and drones can aid in emergency response like in fire operations or for the transport of medical supplies. NASA aims for these new services to be affordable and sustainable.