A NEW PARADIGM OF AIR TRAFFIC MANAGEMENT FOR URBAN AIR MOBILITY - FLIGHTPLAN 2030

News / Manufacturer

How you imagine the air travel in the very near future? What do you know about existing eVTOL concepts? Do you follow this topic, are you just first time impressed one? We live in an amazing time, when so many things became possible, we could't imagine that just some years ago...

If we talk about the development of a truly collaborative ecosystem, EmbraerX is the champion. It makes people imagine a world where electric vertical take-off and landing vehicles will be part of their daily lives. This amazing work is done in close partnership with dozens of air traffic controllers, academics, pilots and industry experts.

© 2015-2026 50SKYSHADES.COM — Reproduction, copying, or redistribution for commercial purposes is prohibited.

EmbraerX, Atech and Harris Corporation collaborate to envision a new paradigm of air traffic management for urban air mobility. Embraer's disruptive business subsidiary published "FlightPlan 2030," a white paper which proposes a procedures-based vision for a new paradigm of air traffic management for the future urban air mobility industry.

"Urban air mobility will evolve to become a significant mode of transportation in the next decade and will require a truly collaborative ecosystem," said Antonio Campello, President & CEO of EmbraerX. "Our Urban Air Traffic Management (UATM) concept ensures equitable and safe access to urban airspace for a broad spectrum of aircraft, including conventional helicopters, fixed wing aircraft and eVTOLs. FlightPlan 2030 presents what we believe are the necessary first steps towards autonomous capabilities."

This vision is based on existing technology from Atech, an Embraer company that develops the air traffic control systems used in multiples countries around the world. This project also involved the collaboration of Harris Corporation, a leading ATM technology innovator for the FAA and a global provider of ATM systems that meet the demands of the next generation of air travel around the world.

"As a systems integrator and technology provider for multiple Brazilian defense agencies and other countries, we have been able to envision a dynamic ecosystem of technologies with a focus on maintaining the safety, security, and dependability on which we all rely," said Edson Mallaco, CEO of Atech. "The foundations for this disruptive service are already available in many of the modern airspace systems currently being implemented around the world. However, all solutions must be tailored to local community needs, and our collaborative vision has been developed to ensure broad stakeholder input."

"Harris is leading the development and integration of next generation communications, surveillance and information management for ATM systems around the globe," said Kelle Wendling, vice president and general manager, Harris Mission Networks. "As we look toward the

© 2015-2026 50SKYSHADES.COM — Reproduction, copying, or redistribution for commercial purposes is prohibited.

introduction of urban air mobility, projects like the EmbraerX opportunity allow us to define and promote the safe and reliable integration of these vehicles into airspace systems around the world.”

The UATM concept is designed to examine the ways in which a dedicated air traffic control solution for the urban air mobility industry can interact and coordinate with conventional Air Traffic Control (ATC) agencies and Unmanned Traffic Management (UTM) for drones. It proposes a new approach for managing high volumes of aircraft in a system that can safely and efficiently operate in dense, low-altitude urban airspace.

The combination of eVTOL development and this UATM proposition creates a unique position for EmbraerX to responsibly lead the growth of the new urban air mobility ecosystem, empowering people and communities along the way. EmbraerX is part of the Uber Elevate Network, which believes that on-demand air transport has the potential to radically transform urban mobility, improving quality of life for millions of people around the world.

28 MAY 2019

ARTICLE LINK:
https://50skyshades.com/index.php/news/manufacturer/a-new-paradigm-of-air-traffic-management-for-urban-air-mobility-flightplan-2030

© 2015-2026 50SKYSHADES.COM — Reproduction, copying, or redistribution for commercial purposes is prohibited.