ANRA TECHNOLOGIES LAUNCHES VMS VERTIPORT MANAGEMENT SYSTEM FOR URBAN AIR MOBILITY

News / Business aviation, Manufacturer

ANRA Technologies announced its Vertiport Management System. This platform marks a significant milestone in managing VTOL Urban Air Mobility aircraft operations at vertiport facilities. As the UAM landscape evolves, ANRA addresses a critical digital technology gap with the launch of VMS, a web-based software platform designed to adapt to various aircraft, vertiports, and locations. With VTOL aircraft gaining autonomy, the demand for services to ensure safe and efficient vertiport operations is rapidly increasing. VMS plays a pivotal role by intelligently exchanging real-time data with all the necessary services to facilitate the safe arrival and departure of UAM aircraft.

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

Amit Ganjoo, Founder and CEO of ANRA Technologies, commented: "While many vertiport providers are busy building the physical infrastructure and conceptualizing the passenger experience, ANRA has developed the digital layer. VMS facilitates intelligent operational and safety decisions by seamlessly connecting with various systems at the vertiport, aircraft, and the broader AAM ecosystem."

To unlock the full potential of the UAM market, elevated levels of aircraft autonomy are essential, necessitating concurrent advancements in automation support systems. In their Vertiport Automation, Software Architecture and Requirements report, NASA emphasized that vertiports must enhance collaborative decision-making, scheduling, airspace management, demand capacity balancing, and service synchronization to prevent congestion and guarantee safety and compliance across the UAM network. ANRA's VMS takes a giant stride towards turning this vision into reality today.

The VMS microservice architecture allows it to support multiple vertiport designs, is aircraft agnostic, and integrates with current commercial air traffic management (ATM) systems. Using ANRA's airspace management services, UAM operators can now efficiently plan and execute their flight operations from pad to pad, supported by a comprehensive suite of services, including:

- Real-time vertiport resource status and reservation requests.
- Resource schedule for vertiport resource availability.
- Reservation and clearance requests for inbound and outbound flights.
- System checks to verify status of outbound flights.
- Live telemetry for monitoring aircraft data of inbound and outbound flights.
- Micro weather services.
- Live surveillance data for nearby aircraft.
- Integration with broader UAM traffic management systems.

ANRA' VMS is available starting today for organizations developing concepts of operation, conducting urban planning, constructing physical vertiport facilities, and airspace managers aiming to develop their UAM ecosystem. ANRA bridges the gap by seamlessly connecting ground infrastructure with our digital infrastructure, making it an invaluable addition to businesses and municipalities building the next-generation aviation economy.

13 NOVEMBER 2023

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

ARTICLE LINK:
https://ut.50skyshades.com/news/business-aviation/anra-technologies-launches-vms-vertiport-management-system-for-urban-air-mobility

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