

Vertiport integration into airport environment

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Short bio

Kevin E. Cox serves as the CEO of Ferrovial Vertiports, which is a wholly owned subsidiary of Ferrovial S.A. (“Ferrovial”). Founded in 1952, Ferrovial is one of the world’s leading transportation infrastructure developers and operators, with an express commitment to developing sustainable solutions. Prior to his appointment as CEO of Ferrovial Vertiports, Kevin served in executive leadership positions at some of the largest and most complex organizations, including one of the busiest airports in the world—DFW International Airport; the largest Airline in the world—American Airlines; the largest FBO Network in the world—Signature Aviation; and one of the largest aviation marketing, distribution, and fueling companies in North America—EPIC Fuels.

Abstract

Infrastructure’s Critical Role in the Success of the Nascent AAM Industry

For decades, humans have flocked to cities and urban areas creating congestion and pushing transportation infrastructure to the limit. In a race not seen since the days of early flight, innovative companies are rapidly designing, developing, and seeking certification of vertical takeoff and landing aircraft that will forever change urban transportation, utilizing technology that will ensure passengers are transported in a safe, quiet, and sustainable way. The success of this nascent industry is, however, highly dependent upon the proper siting, development, construction, and operation of a series of agnostic vertiport networks, seamlessly integrated into the fabric of their surroundings.

- Why proper siting of vertiports is highly dependent upon the business model, the expected demand, and solving for the first and last mile.
- With vertiports being developed from a “blank sheet of paper,” why it is important to utilize lessons learned from commercial aviation and what lessons may need to be “unlearned.”
- For a vertiport network to be resilient and successful, why it must be agnostic to aircraft type, the aircraft mission, the business model, and its operator.
- Why federal, state, regional and local officials should embrace this new and sustainable form of transportation and not seek to over regulate it.
- How and why vertiports can and should be “future proofed.”