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Siemens and Skyway collaborate to develop infrastructure to pave way for Vertiports

Siemens and Skyway agreed to work together to determine the electrical and digital infrastructure needed to support vertiport operations. Vertiports are hubs for vertical take-off and landing (VTOL) vehicles such as air taxis and drones. The scope of collaboration involves both companies researching energy demands of vertiports and developing sustainable electrical supply, standard charging processes, and a “system of systems” to support aircraft operations. Innovation around vertiport infrastructure will be critical to the future scalability of electric vertical take-off and landing (eVTOL) flight operations.

A main objective of the collaborative effort is to develop vertiports. This includes researching, developing, planning, and being part of the construction and operation of them, with each company bringing its own strength and experience to the effort. Skyway has vast knowledge of airspace mission planning and management, air traffic navigation, and unmanned aircraft operations, and Siemens has infrastructure expertise in electrification, vehicle charging, and facility operations.

Together, the two will work together to design and engineer a universal eVTOL charging process by evaluating the charging, power, and software requirements to ensure reliable and efficient operations. In addition, Siemens and Skyway will collaborate on innovative ideas to standardize overall vertiport planning and design and reduce energy consumption.

“Sustainable energy solutions will be the foundation and the necessity for adoption of Urban Air Mobility with the electrification of eVTOL aircraft,” said Clifford Cruz, Skyway CEO. “Combining our companies’ resources and industry foresight can

influence vertiport construction efforts and general UAM solutions on an industry-wide scale while setting a new precedent for modern transportation.”

“It is exciting for Siemens to contribute to the evolution of the Urban Air Mobility Industry,” said John Kasuda, Head of Airports at Siemens Smart Infrastructure North America. “The development and efficient operations of vertiports will require innovative solutions to meet the expected demands of fast aircraft turnaround times and a network of varying landing facilities.”

The aviation industry is evolving with innovations being made in both flight and air traffic operations. eVTOLs bring a new mobility market that positively impacts communities through traffic decongestion and connection to areas not well served by the current aviation system.

This press release as well as a press picture is available at <https://sie.ag/3j2fLsH>

For more information about Siemens Smart Infrastructure, see www.siemens.com/smartinfrastructure

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Siemens Smart Infrastructure (SI) is shaping the market for intelligent, adaptive infrastructure for today and the future. It addresses the pressing challenges of urbanization and climate change by connecting energy systems, buildings and industries. SI provides customers with a comprehensive end-to-end portfolio from a single source – with products, systems, solutions and services from the point of power generation all the way to consumption. With an increasingly digitalized ecosystem, it helps customers thrive and communities progress while contributing toward protecting the planet. Siemens Smart Infrastructure has its global headquarters in Zug, Switzerland. As of September 30, 2022, the business had around 72,700 employees worldwide.

Siemens AG (Berlin and Munich) is a technology company focused on industry, infrastructure, transport, and healthcare. From more resource-efficient factories, resilient supply chains, and smarter buildings and grids, to cleaner and more comfortable transportation as well as advanced healthcare, the company creates technology with purpose adding real value for customers. By combining the real and the digital worlds, Siemens empowers its customers to transform their industries and markets, helping them to transform the everyday for billions of people. Siemens also owns a majority stake in the publicly listed company Siemens Healthineers, a globally leading medical technology provider shaping the future of healthcare. In addition, Siemens holds a minority stake in Siemens Energy, a global leader in the transmission and generation of electrical power. In fiscal 2022, which ended on September 30, 2022, the Siemens Group generated revenue of €72.0 billion and net income of €4.4 billion. As of September 30, 2022, the company had around 311,000 employees worldwide. Further information is available on the Internet at www.siemens.com.

Skyway, an Urban Air Traffic Management (UATM) operation center and air traffic navigation Provider of Services for UAM (PSU), provides EVTOL and unmanned aircraft airspace mission planning services as well as vertiport airspace management. Skyway's vertiport development plan is truly comprehensive. Designed for eVTOL/VSTOL aircraft using IFR and AFR technology, Skyway brings the next evolution in automated traffic services to airline operators. Learn more about Skyway and their latest partnerships and innovations by following them on all social platforms or visiting goskyway.com.