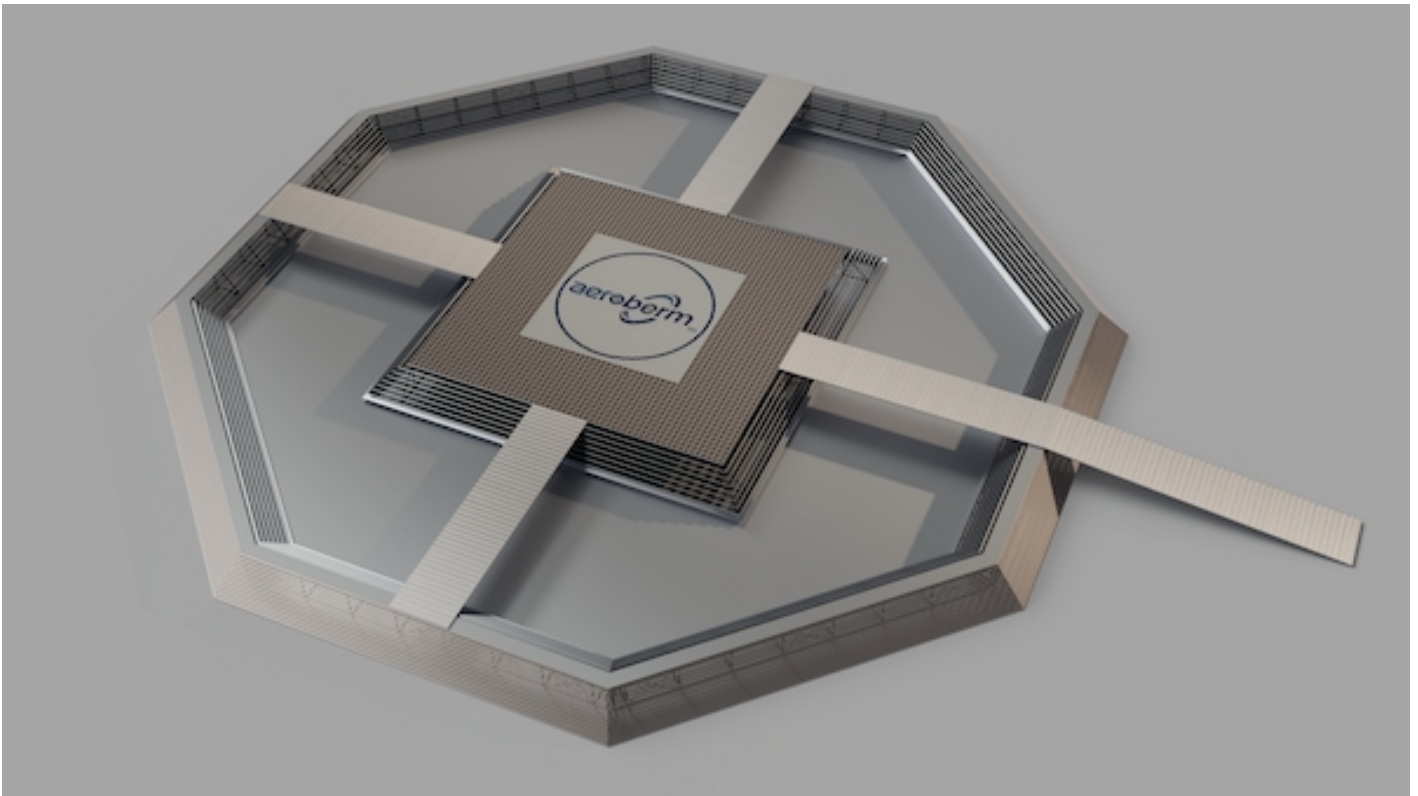




SKYPORTZ UNVEILS AEROBERM – MODULAR VERTIPAD PROTOTYPE TO UNLOCK THE FUTURE OF AIR MOBILITY

News / Manufacturer



Skyportz announced the release of its Aeroberm modular vertipad prototype at the EVTOL Show in California, marking a major milestone in the company’s mission to create safe, scalable, and affordable infrastructure for the emerging Advanced Air Mobility industry. Following extensive research and development in collaboration with Swinburne University of Technology, Sophrodyne Aerospace, Crinnac Industrial designers and leading modular construction specialist, Simon McCarthy, the Aeroberm design has now progressed through computational and design testing and is entering the fabrication phase for its first full-scale prototype.

Clem Newton-Brown OAM, CEO of Skyportz commented: “This is the first truly scalable vertipad solution designed for global deployment. With the Aeroberm, we’re removing the last major barriers to establishing affordable, practical, safe, and community-friendly sites for air taxi operations. We will be offering our IP at no charge to OEMs, vertiport test beds and air safety regulators who want to participate in our ongoing research and development programme. The AAM industry needs a collaborative approach to spark the revolution we have all dreamed of and this starts with a multitude of low-cost destinations to service those that invest in fleets of aircraft.”

The Aeroberm patent directly addresses the three “showstopping” challenges that have limited

urban vertiport deployment —downwash/outwash, fire risk, and noise. The innovative elevated modular platform safely manages aerodynamic forces from eVTOL operations while incorporating acoustic mitigation and integrated fire suppression systems.

Downwash and outwash were highlighted by the FAA in January in their [Engineering Brief 105A](#) where the American air regulator indicated that vertipads will need to have a wind safety zone beyond the landing surface. This safety zone has been defined as where the windspeed exceeds 34.5 mph. The Skyportz innovation will significantly reduce the footprint requirements to satisfy the Engineering Brief.

Professor Justin Leontini from Swinburne University stated: “Our detailed CFD modelling has given us a framework to progress to a full-scale prototype incorporating downwash and outwash amelioration. We will now refine the vertipad’s aerodynamic and safety performance with the data we collect from real aircraft operations on this prototype”

Skyportz will announce the first Aeroberm deployment locations in the coming months, with several Australian and international partners already engaged in site selection and design adaptation.

Skyportz anticipates that air taxi developers will be able to offer a turnkey solution for fleet buyers wanting to quickly establish their routes in a flexible and dynamic manner. Due to the modular design, the vertipads can be moved between locations subject to demand.

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