Wisk unveils self-flying, eVTOL aircraft

Wisk, a technology joint venture, is developing its 6th Generation aircraft. Designed with the highest safety standards, it will be the first candidate for certification of an autonomous, passenger-carrying electric vertical takeoff and landing (eVTOL) aircraft in the U.S. The Gen 6 aircraft has room for four passengers, carry-on luggage and personal items, can fly 90 miles (145 kilometers) and recharges in 15 minutes.

Why it matters: Wisk will be the first candidate for certification of an autonomous, passenger-carrying electric vertical takeoff and landing (eVTOL) aircraft in the U.S.

"Wisk is excited to partner with Boeing on the development of this autonomous aircraft. Our combined experience uniquely positions Wisk to succeed in this exciting new mobility market."

Brian Yutko, CEO, Wisk

Wisk 6th Generation autonomous, passenger-carrying electric vertical takeoff and landing aircraft. (Wisk photo)

Space Launch System in flight. (Boeing image)

Taking a SAF and other advanced technology approach

It will take a "SAF and" approach, not a "SAF or" approach, to achieve the commercial aviation industry's net zero ambition by 2050. As part of our approach, which includes SAF and other technologies, Boeing continues to advance the safety and viability of other energy carriers and their use on aircraft. Since the mid-2000s, Boeing has conducted six hydrogen technology demonstrations with crewed and uncrewed aircraft using hydrogen fuel cells and combustion engines. Boeing successfully tested a cryotank designed for space with the capacity to hold 16,000 gallons of liquid hydrogen or the energy equivalent of the Jet A fuel in a typical regional jet.

Boeing was reminded of the challenges and opportunities associated with hydrogen with the recent Artemis mission. Chris Raymond, Boeing's chief sustainability officer dives into more detail in this Fortune article.