**Beat: Technology**

# COLLABORATION For SUPERSONIC OVERTURE ENGINE PROGRAM DESIGN

## BOOM SUPERSONIC AND ROLLS-ROYCE

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**USPA NEWS -** Boom Supersonic, an aerospace company building the world's fastest civil aircraft, and leading industrial technology company, Rolls-Royce, announced on July 30, an engagement agreement to explore the pairing of a Rolls-Royce propulsion system with Boom's flagship supersonic passenger aircraft, Overture.

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The goal of the new agreement is to work together to identify the propulsion system that would complement Boom's Overture airframe. The engagement will involve teams from Boom and Rolls-Royce collaborating in engine-airframe matching activities for Boom's flagship supersonic passenger aircraft, Overture. The teams will also examine certain key aspects of the propulsion system. The teams will investigate whether an existing engine architecture can be adapted for supersonic flight, while Boom's internal team continues to develop the airframe configuration.

"We've had a series of valuable collaborations and co-locations with Rolls-Royce over the past years to lay the groundwork for this next phase of development," said Blake Scholl, Boom founder and CEO. "We look forward to building on the progress and rapport that we've already built with our collaboration as we work to refine Overture's design and bring sustainable supersonic transport to passenger travel."

The priorities of this engagement are informed by Boom and Rolls-Royce's shared commitment to sustainability. Both companies recognize that supersonic passenger travel has to be compatible with a net-zero carbon future, and the two teams will work together to address sustainability in Overture design and operations. Overcoming the technological challenges of supersonic flight provides a unique opportunity to accelerate innovation sustainably.

"We share a strong interest in supersonic flight and in sustainability strategies for aviation with Boom," said Simon Carlisle, Director of Strategy, Rolls-Royce. "We're now building on our valuable experience in this space as well as our previous work together to further match and refine our engine technology for Boom's Overture."

As a result of this collaboration, Boom and Rolls-Royce expect to make significant progress towards finalizing Overture's aircraft configuration and propulsion system.

Source : Boom Supersonic

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