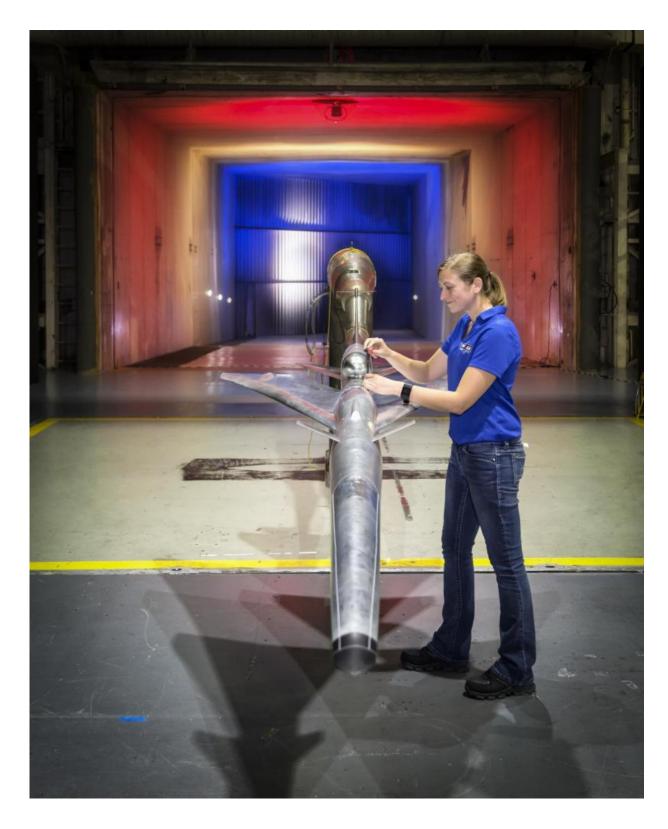


Image: X-plane preliminary design model tests quiet supersonic technology

September 22 2017





Credit: NASA/Chris Giersch



Samantha O'Flaherty, Test Engineer for Jacobs Technology Inc., finalizes the set-up of the Quiet Supersonic Technology (QueSST) Preliminary Design Model inside the 14- by- 22 Foot Subsonic Tunnel at NASA Langley Research Center. Over the next several weeks, engineers will conduct aerodynamic tests on the 15% scale model and the data collected from the wind tunnel test will be used to predict how the vehicle will perform and fly in low-speed flight.

The QueSST Preliminary Design is the initial design stage of <u>NASA's</u> planned Low-Boom Flight Demonstration experimental airplane, otherwise known as an X-plane.

This future X-plane is one of a series of X-planes envisioned in NASA's New Aviation Horizons initiative, which aims to reduce fuel use, emissions and noise through innovations in aircraft <u>design</u> that depart from the conventional tube-and-wing aircraft shape.

Provided by NASA

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