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Space Stations & Challenges - Session 1 (1)

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AXIOM STATION: A BREAKTHROUGH ORBITAL PLATFORM

Abstract

The construction of the world's first commercial space station is underway. Our partners at Thales Alenia Space began welding and machining activities for the primary structures of Axiom Station. The first pieces of fabricated flight hardware are beginning to come together, and assembled modules will join us in Houston, where we will complete the final assembly and integration.

This session will discuss the latest developments of Axiom Station and how the design facilitates a seamless transition from the International Space Station to a privately funded and operated station. In 2020, Axiom Space was selected as the only commercial company to attach its privately developed modules to the International Space Station. This partnership and strategic connection allows Axiom Space to effectively adopt and service the multinational user base of the ISS National Laboratory to continue research and manufacturing initiatives seamlessly.

Axiom Station will host people, research, and manufacturing, which will lead to the development of numerous industries using techniques that are available only in microgravity. The station will also service the rapidly expanding infrastructure and solutions operating in space and provide an accessible platform for private companies and national governments to continue the research and development of breakthrough innovations to advance civilization.