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INNOVATIONS IN ORBIT: BIGELOW AEROPSACE'S ARCHITECTURE AND PLANS FOR LEO
AND BEYOND

Abstract

This Paper/Presentation will begin by describing both the history of expandable space habitat technology and the creation and growth of Bigelow Aerospace. Specifically, the history of the TransHab program will be explored along with the successful implementation of Bigelow Aerospace's Genesis missions.

Additionally, Bigelow Aerospace's plans for Low-Earth Orbit operations will be illustrated, including a description of the company's innovative expandable habitat architecture and plans for commercial crew and cargo servicing of the private sector Bigelow Aerospace Orbital Space Complex.

Finally, the Paper/Presentation will describe Bigelow Aerospace's plans and architecture for ambitious exploration of the Moon, and how LEO operations play a critical role in such a strategy.