



**Expanding the Future:**  
*The Bigelow Aerospace Space Station*

Secure World Foundation  
Washington, DC, September 22, 2015

# NASA's Inflatable Beginning



# TransHab



# The Genesis Missions



A high-angle photograph of a Mission Control room. The room features several large, curved control consoles with multiple monitors. A large wall of screens at the back displays various data, including a satellite or spacecraft in orbit. The room is dimly lit, with spotlights highlighting the control areas.

**Mission Control  
Las Vegas Nevada**



# Genesis I

- Launched on July 12, 2006 by ISC Kosmotras from the new Yasnny Launch Base in the Orenburg Region of Russia
- Genesis I validated BA's fundamental engineering concepts and proved the deployment process
- Genesis I demonstrated expandable habitats' long-term durability and provided BA flight controllers with invaluable experience in on-orbit operations



# Genesis I Firsts

- First launch by Bigelow Aerospace
- First launch of an expandable space habitat prototype into orbit
- First launch of a single, large payload aboard the Dnepr
- First launch from the new Yasnny Cosmodrome in Russia



# Genesis I





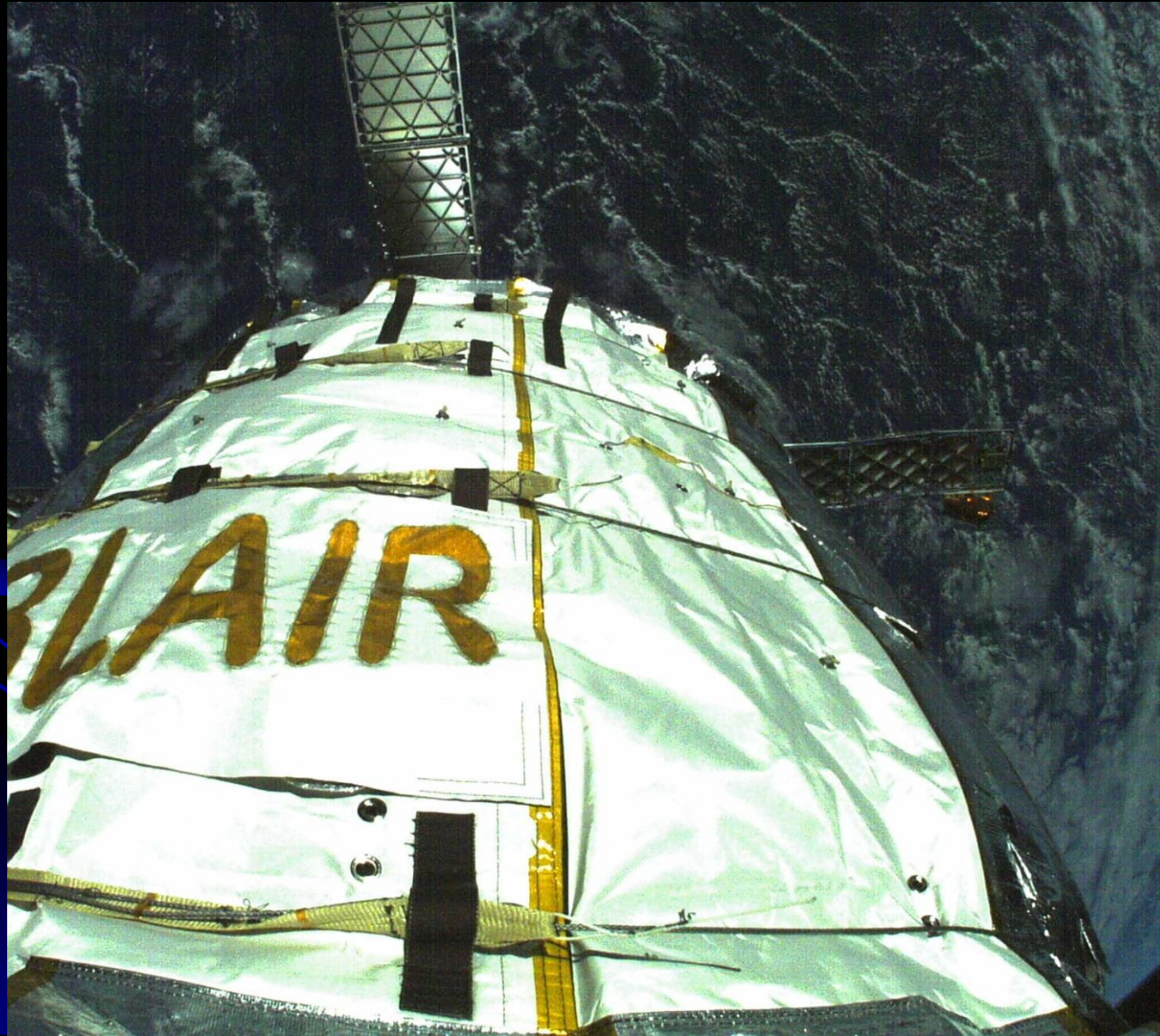




# Launch of Genesis II on Dnepr LV from Yasny Launch Base



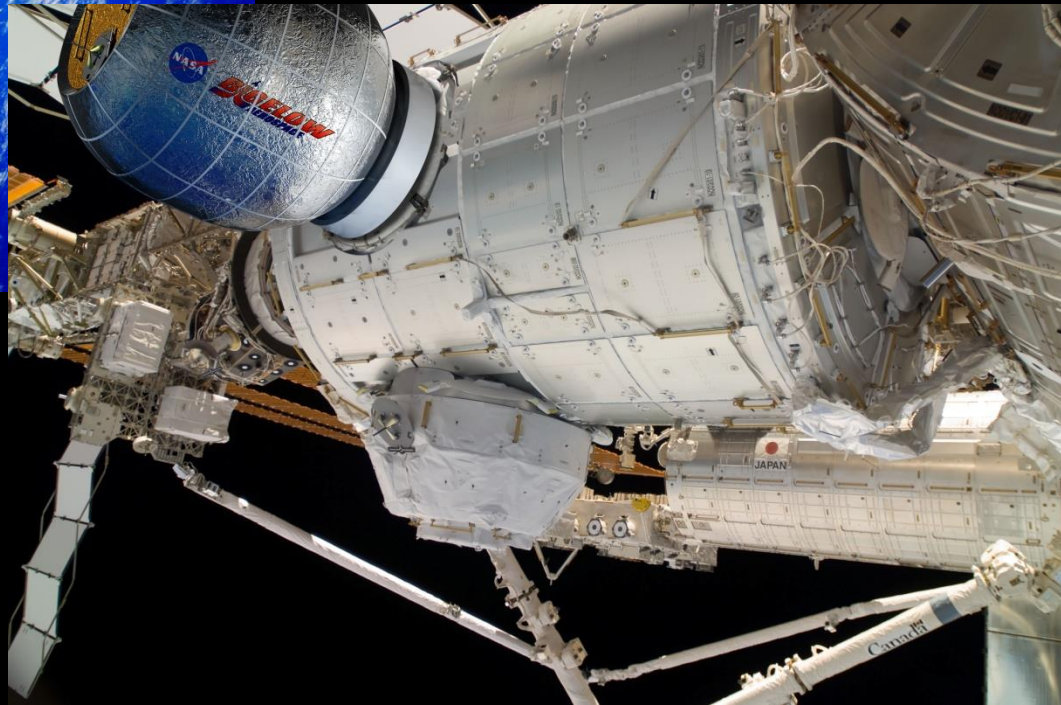
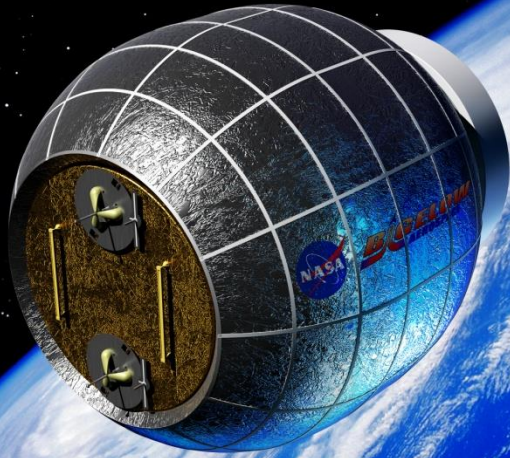
# Genesis II

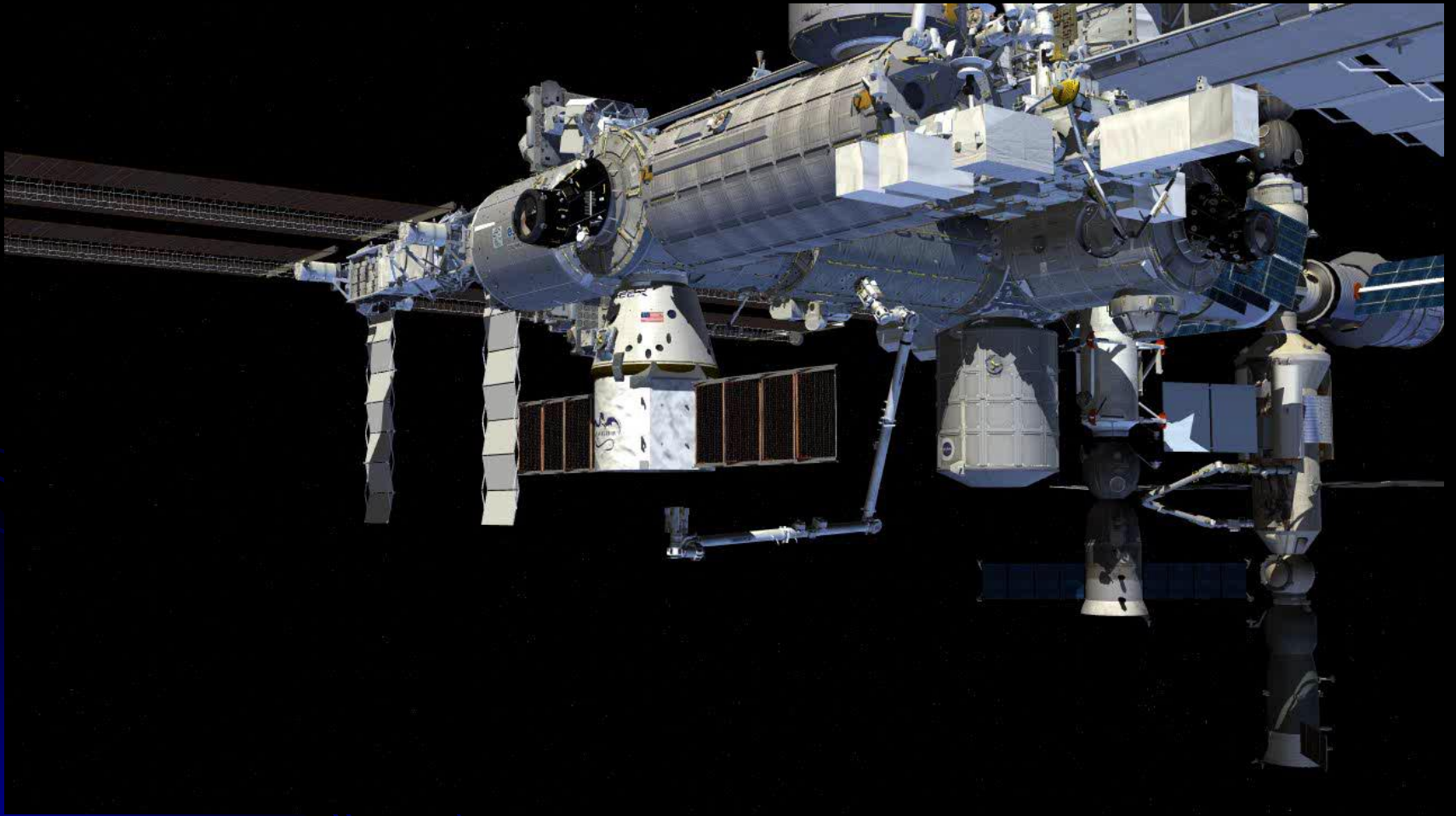


# Genesis II Surprise



# BEAM Me Up





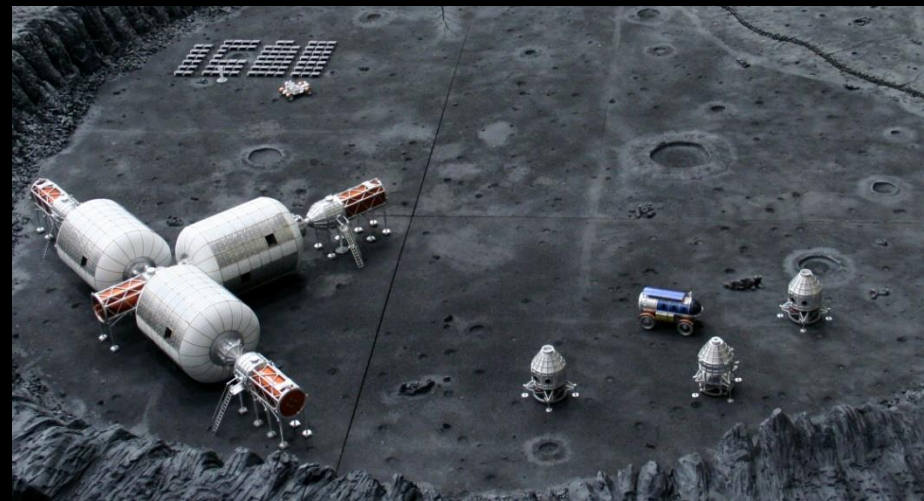
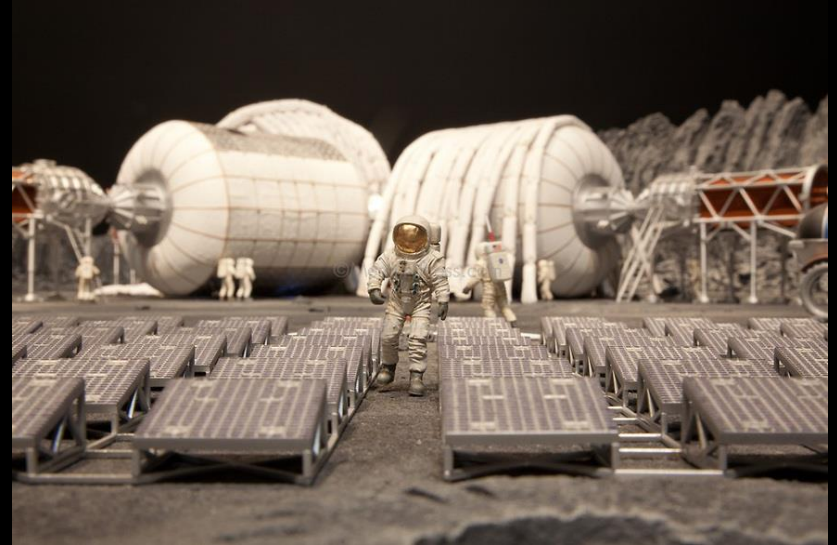
# BA 330





# Beyond LEO Exploration

- Volume
- Radiation
- Physical Debris
- Trace Contaminants
- Less Mass
- Less Money





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