



HUMAN HEALTH AND PERFORMANCE
Exploring Space | Enhancing Life

Human-Centered Habitability Design and Space Architecture

Center for Design and Space Architecture (CDSA)



World Renowned Skills and Unique Capabilities

The Center for Design and Space Architecture (CDSA) is NASA's conceptual, human centered design studio. We provide customers with advanced concepts for space-related products up to full-scale habitats while keeping the needs of the human first and foremost. Using an iterative process, the team takes an idea through the stages of artist sketches, 3D CAD modeling, VR simulation, scaled prototypes, and finally full-size mockup fabrication.

Core Capabilities

- Space Architecture: interior architecture, mission architecture, functional allocation, volumetric analysis
- Design: concept development, CAD modeling, rendering
- Virtual Reality: design demonstration, multiplayer simulations, design evaluation
- Prototyping: 3d printing, CNC, foam core, wood, metal
- Mockups: part-task, full-scale, test articles

Visualization Lab
(B15, R1000)



Design Studio
(B15, R274)



Fabrication Shop
(B14, Tunnel)



Johnson Space Center



For the benefit of all

For more information:
NASA Human Health and Performance Directorate
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