## **Mars Transfer Vehicle Concept**

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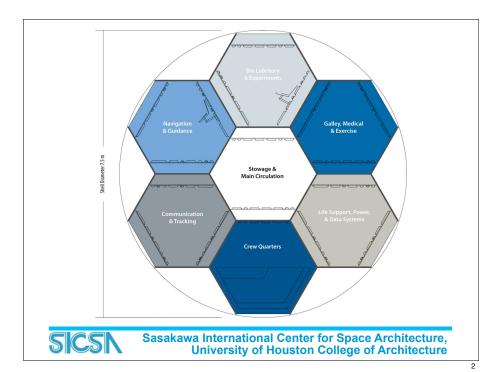
**ARCH 7610 Space Architecture Studio** Spring 2012

Stacy Henze

**Utilizing Re-Configurable Building System** 

SICSN Sasakawa International Center for Space Architecture, University of Houston College of Architecture **Geometry Benefits:** Work surfaces wrap around spaces. Workflow can flow from one surface to another. No arbitrary ceilings or floors. The hexagonal geometry allows for a more efficient nesting within a cylindrical volume in cross section. Compartment The hexagonal geometry does not exist in the longitudinal direction allowing for easy self orientation within a space. The structural system allows for easy modification and reconfiguration of spaces if

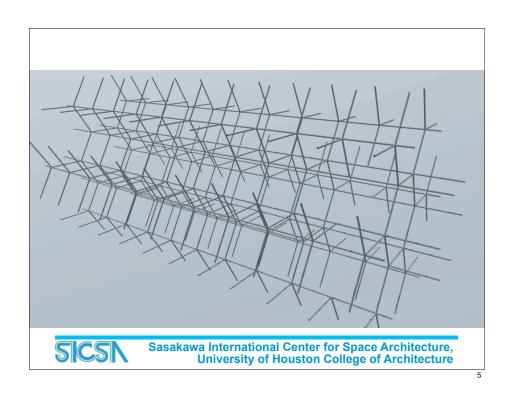
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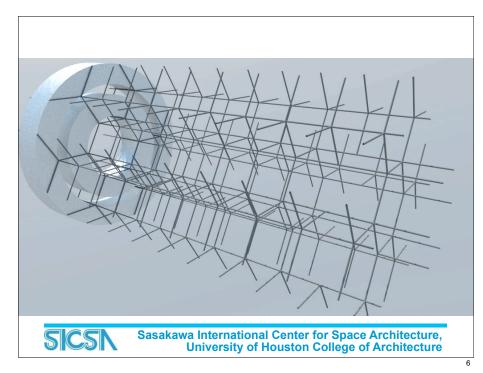


**Final Design** 3/4 Perspective View

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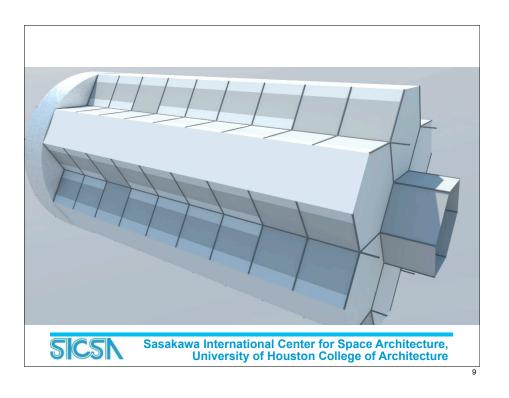
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Final Design
Cross Sectional View

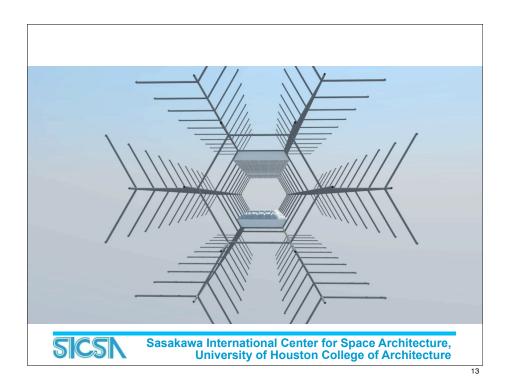
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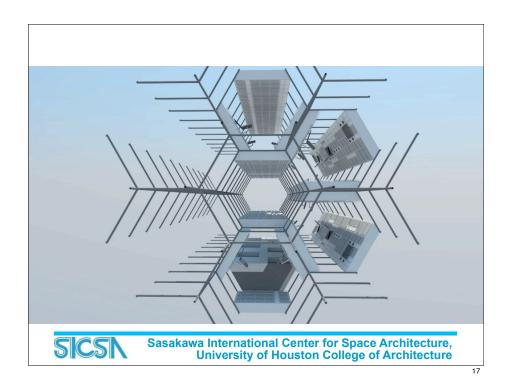






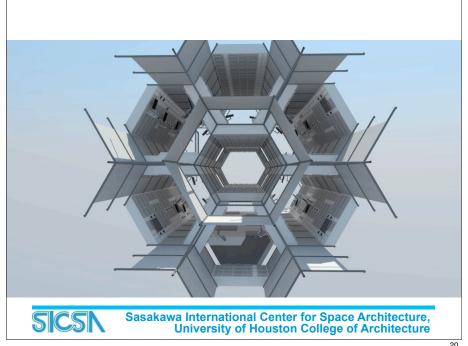
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**Longitudinal Section** SICSN Sasakawa International Center for Space Architecture, University of Houston College of Architecture



## **Interior Perspectives**

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