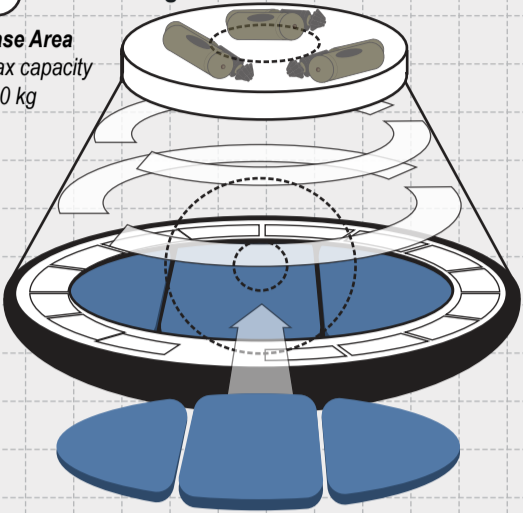




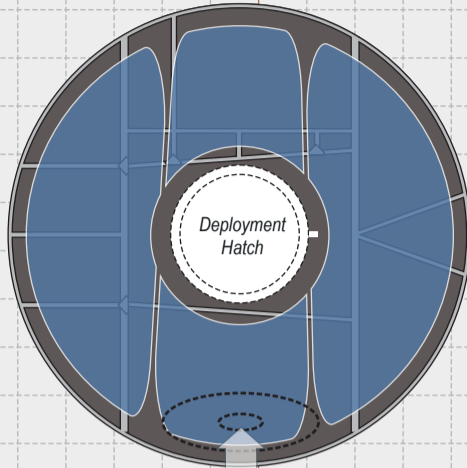
1 Base Storage

Base Area
Max capacity
300 kg



Base Storage Area is reserved for avionics and communication equipment (300 kg).

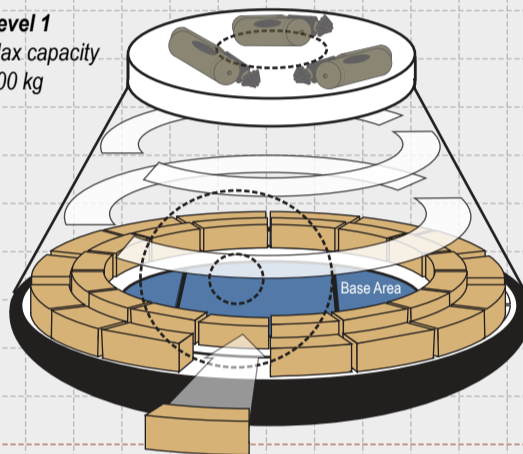
Base Storage Top View



Base Storage Area - The area in blue shows the entire area that can be used for aviation and communications equipment. The area is located at the base of the capsule inside the heat shield.

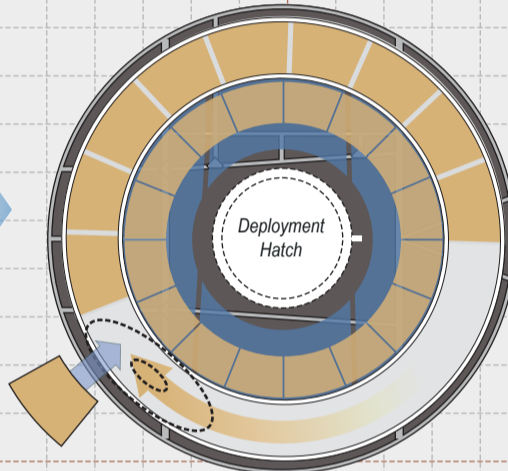
2 Level One - Rotating storage level

Level 1
Max capacity
900 kg



Level 1 Storage Area rotates on a movable platform making for easy manual and electronic storage using the Zelon Arm. The rotating storage layer also expands in for maximum storage.

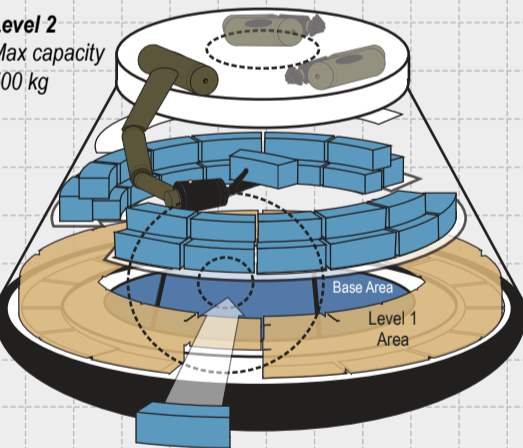
Top View Level One



Level 1 Storage Area - Rotates on a moving track to allow storage through the main hatch. The track also extends inward to allow maximum use of the storage area.

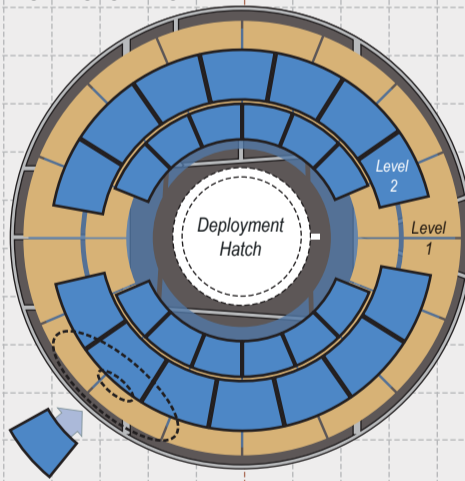
3 Level Two

Level 2
Max capacity
500 kg



Level 2 Storage Area components are set using the Zelon Arm. The level 2 shelving units are also expandable for maximum usage of the storage area.

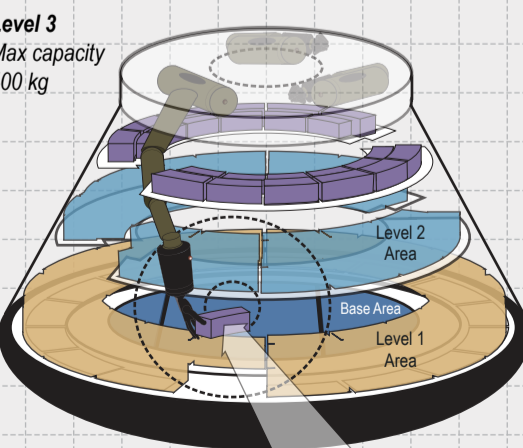
Top View Level Two



Level 2 Storage Area - Utilizing the Zelon Arm Level 2 is split in the middle to allow maneuverability. Level shelving extends toward the middle to allow maximum storage space.

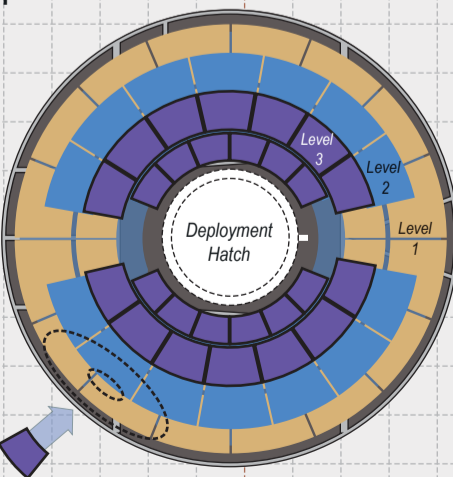
4 Level Three

Level 3
Max capacity
400 kg



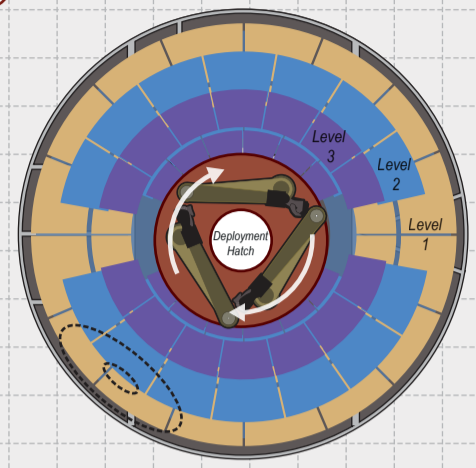
Level 3 Storage Area components are set using the Zelon Arm. The level 3 shelving units are also expandable for maximum usage of the storage area.

Top View Level Three



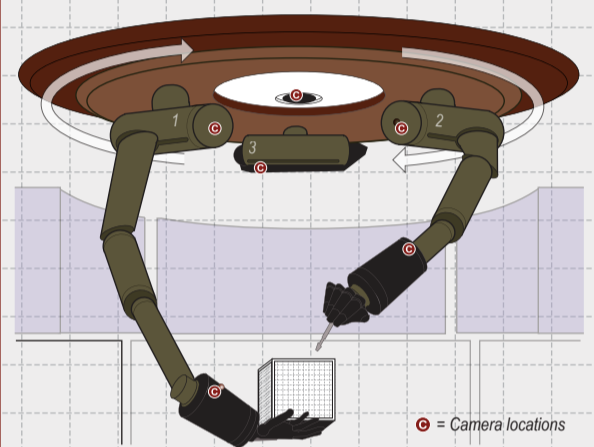
Level 3 Storage Area - Utilizing the Zelon Arm Level 3 is split in the middle to allow maneuverability. Level shelving extends toward the middle to allow maximum storage space.

5 Top View Zelon Robot Astronaut

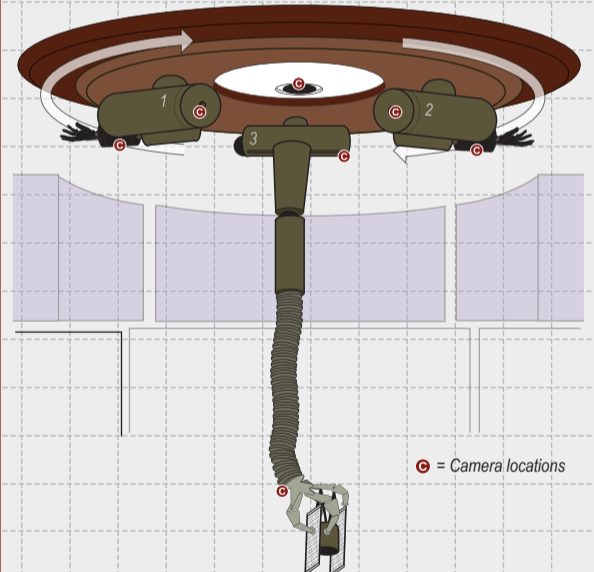


Zelon Arm Level - Three Zelon arms sit on a rotating platform for maximum maneuverability and accessibility to all areas of storage in the capsule.

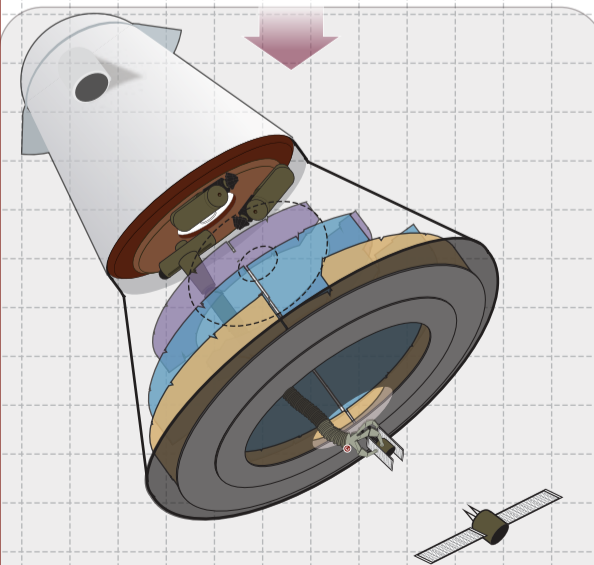
Zelon Robotic Astronaut System



Zelon Arms 1 & 2 - These arms are run by internal programming and can also be run by remote locations to allow students to perform certain tasks. Cameras located throughout the capsule and along the arms to allow for detailed operations.



Zelon Arm 3 - This arm is primarily used for placing satellites and other orbital experiments outside the capsule through the lower hatch and into Low Earth Orbit. Remote cameras placed throughout the capsule help guide the deployment accuracy.



Zelon Arm Deployment - Demonstrates how satellites and other experiments can be deployed into Low Earth Orbit.