



SpaceTruck™

User Guide

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Company description:

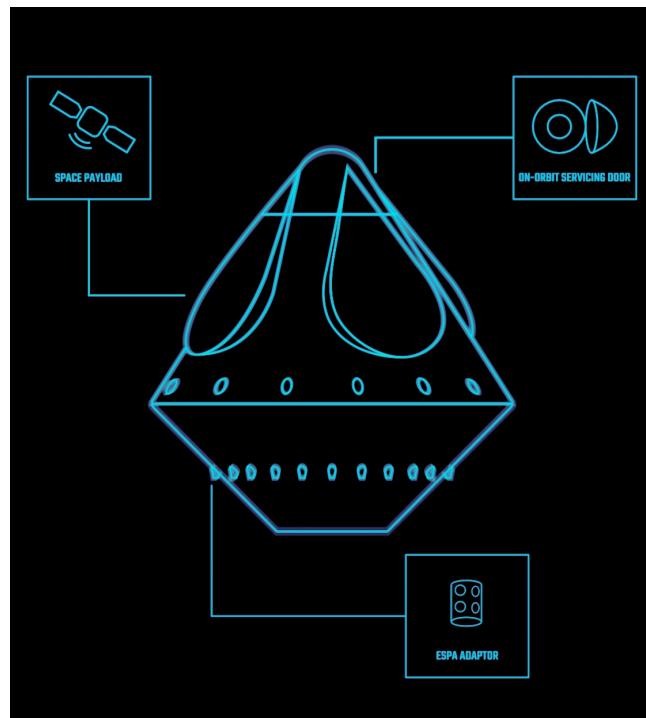
Plasmos was founded in 2021 to revolutionize mobility in space. In recent years the number of launches of satellites has skyrocketed. By 2030 the number of launched satellites is to surpass 100,000. Players such as SpaceX have made a big move in reducing the ease of access to space at low pricing. However satellites still can't get to their final orbit. Therefore Plasmos built a reusable third stage to answer the demand at affordable rates.

SpaceTruck Program Overview:

SpaceTruck is a reusable third stage with re-entry capabilities. Powered by a dual mode propulsion system of plasmos, it is a maneuverable system that can bring your payload to its destination in LEO orbits up to 1400km or as low as you want, even if that's on ground. Potential customers for inner payload can use the in-orbit servicing door to host biomedical payload in a pressurized capsule inside the vehicle up to 6 kg, or and defense capabilities for on-orbit servicing and monitoring. We can also offer Point to Point (P2P) delivery of payload in terrestrial destinations.

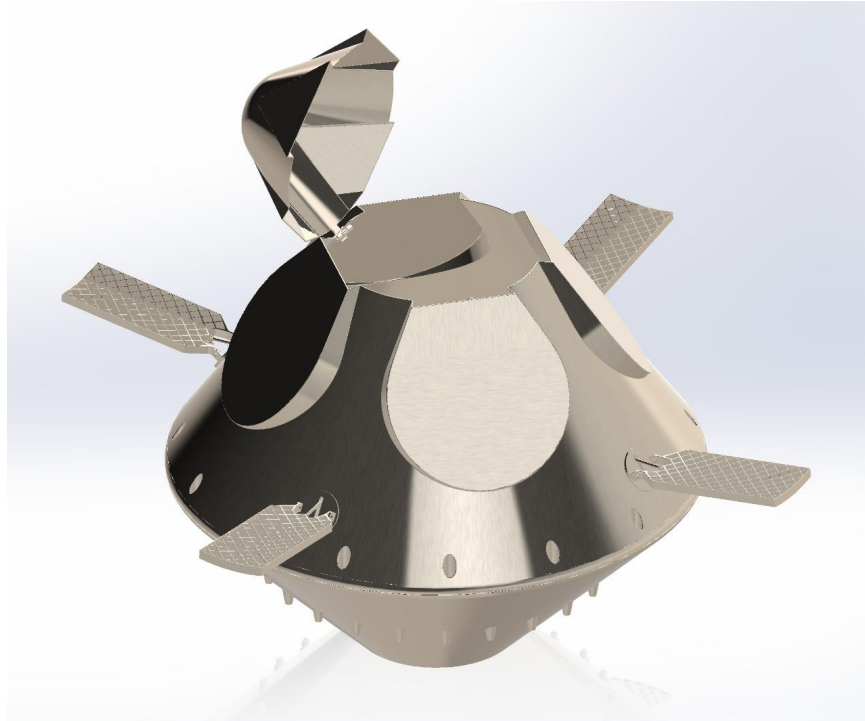
Payload Configuration

SpaceTruck inner payload area and Space Payload area are shown in the following figure. The vehicle sits on a 15" ESPA Ring at a launch provider. The ESPA agnostic system of SpaceTruck allows for launching with various launch providers to ensure the best rates, and fastest route for the clients onboard..



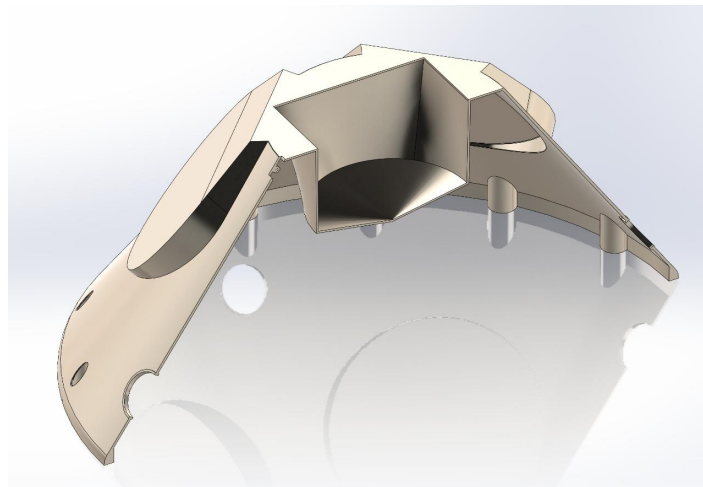
Payload Mechanical Interfaces

SpaceTruck has 5 space payload areas, including one payload inside. The four payload areas on the outside of the capsule can each host 75 kg.



Inner Payload

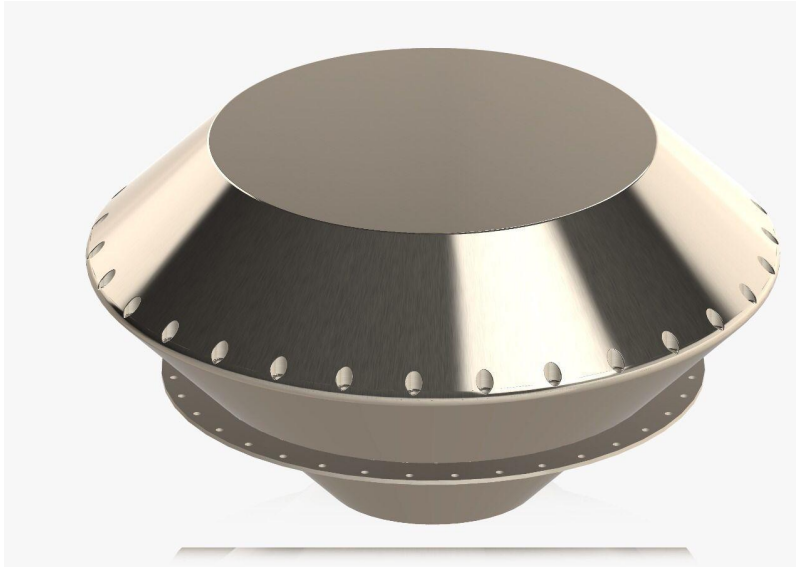
In the generic 5 payload configuration, we can host a single payload up to 6kg mass in a box shaped area. Customers may operate this payload or bring it back to earth.





Second Configuration

In a secondary configuration, we can host a single payload on a 15” secondary ESPA ring which can weigh up to 400 kg.



Payload testing requirements

As Plasmos is launching with different providers this may vary, you may inquire for respected launch, which provider is launching your Serial Number and therefore comply with their regulations.

For SpaceX: <https://www.spacex.com/media/falcon-users-guide-2021-08.pdf>