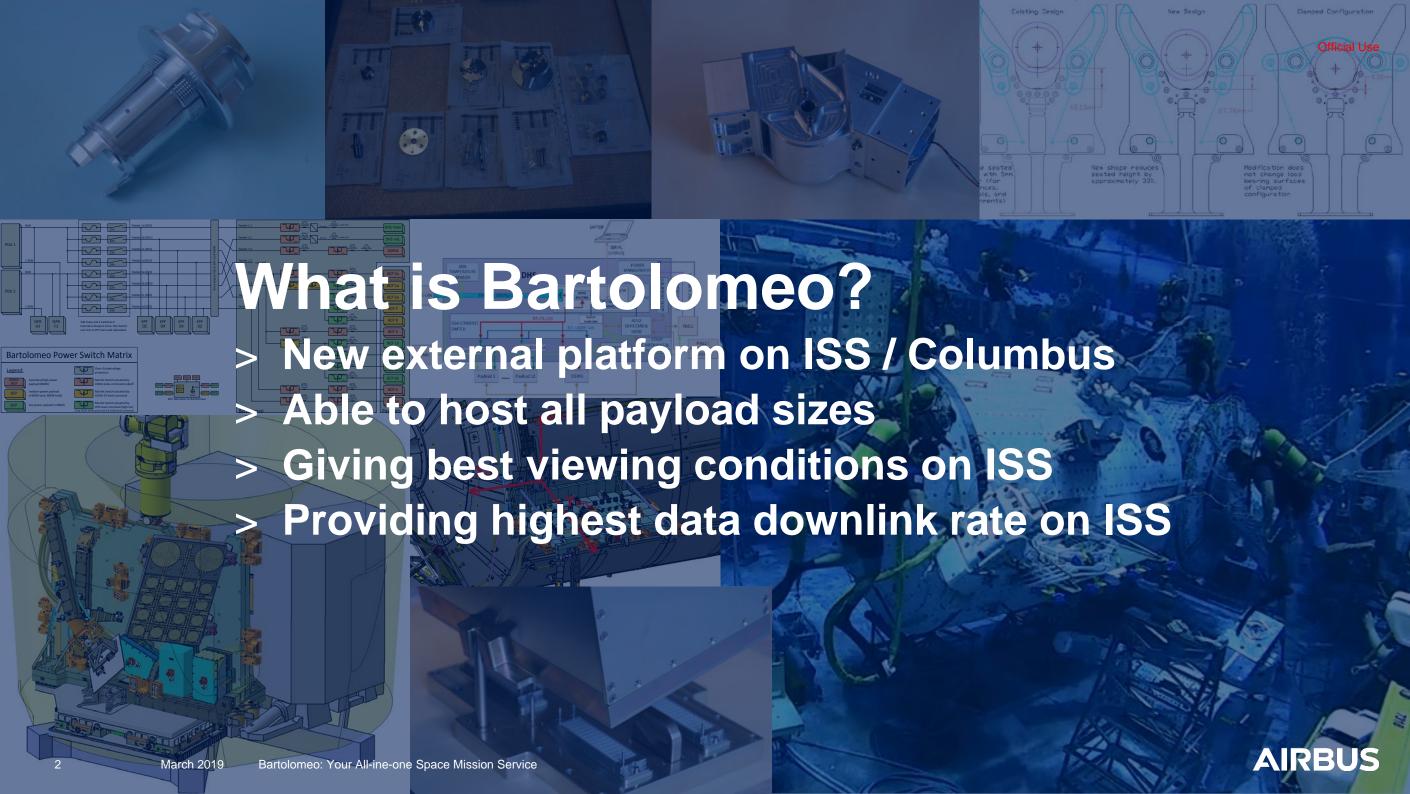
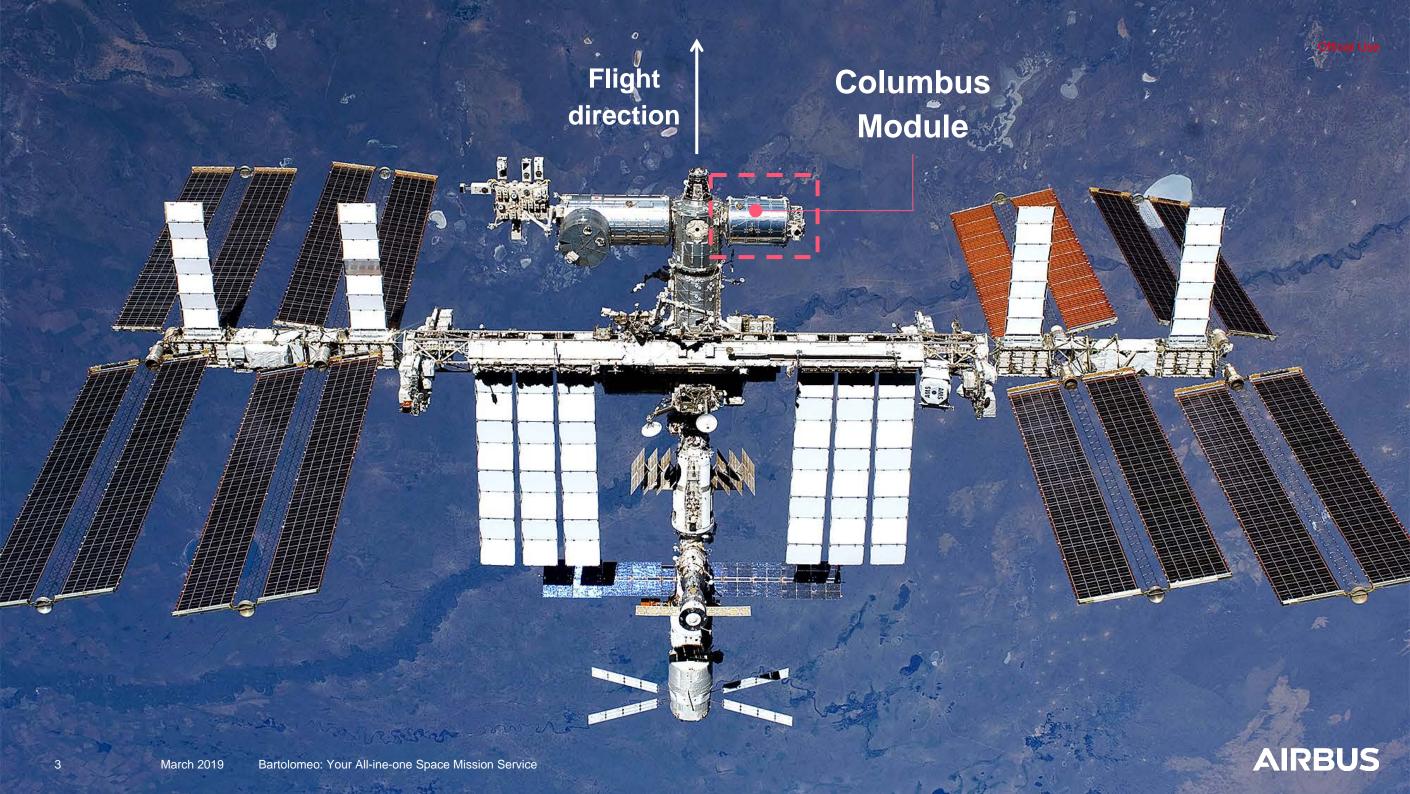


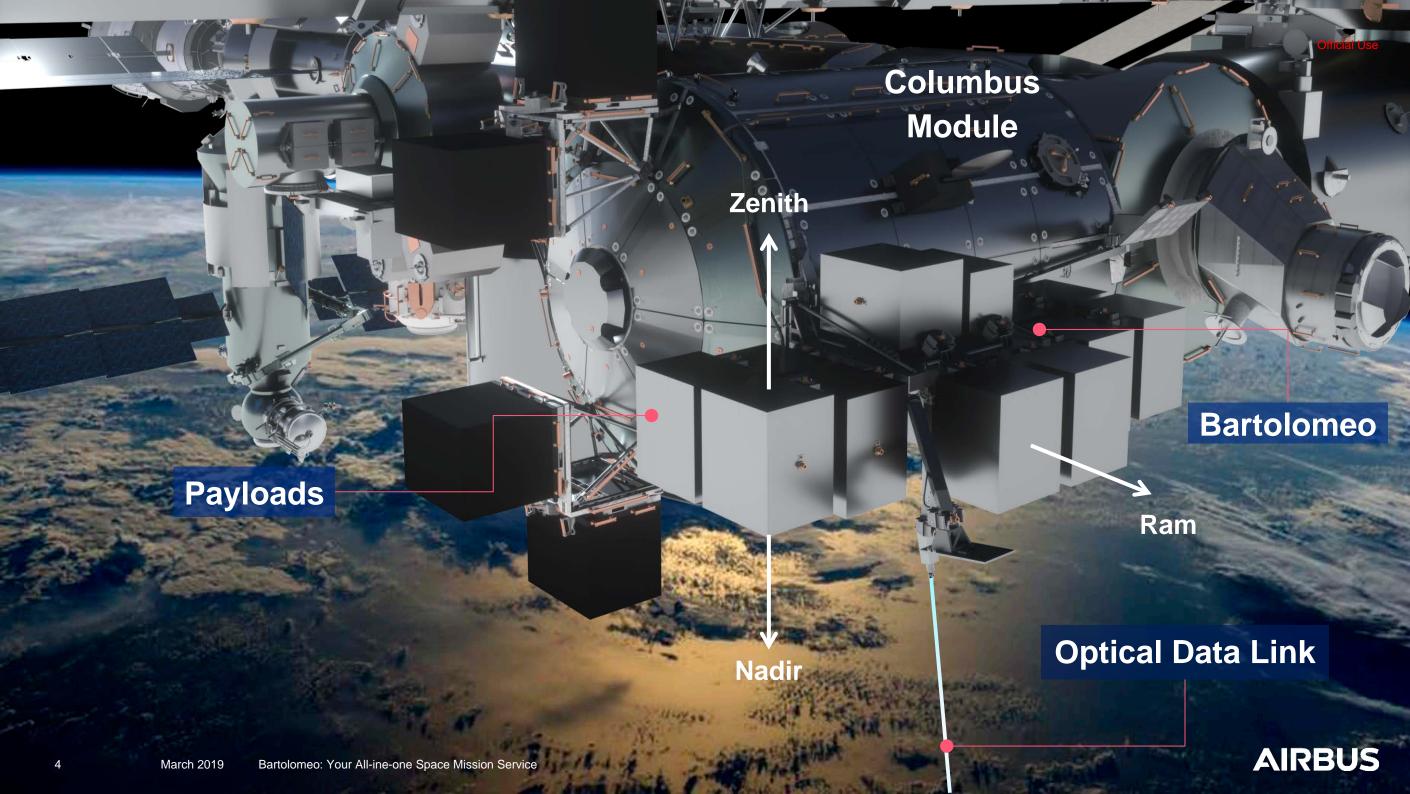
DEFENCE AND SPACE

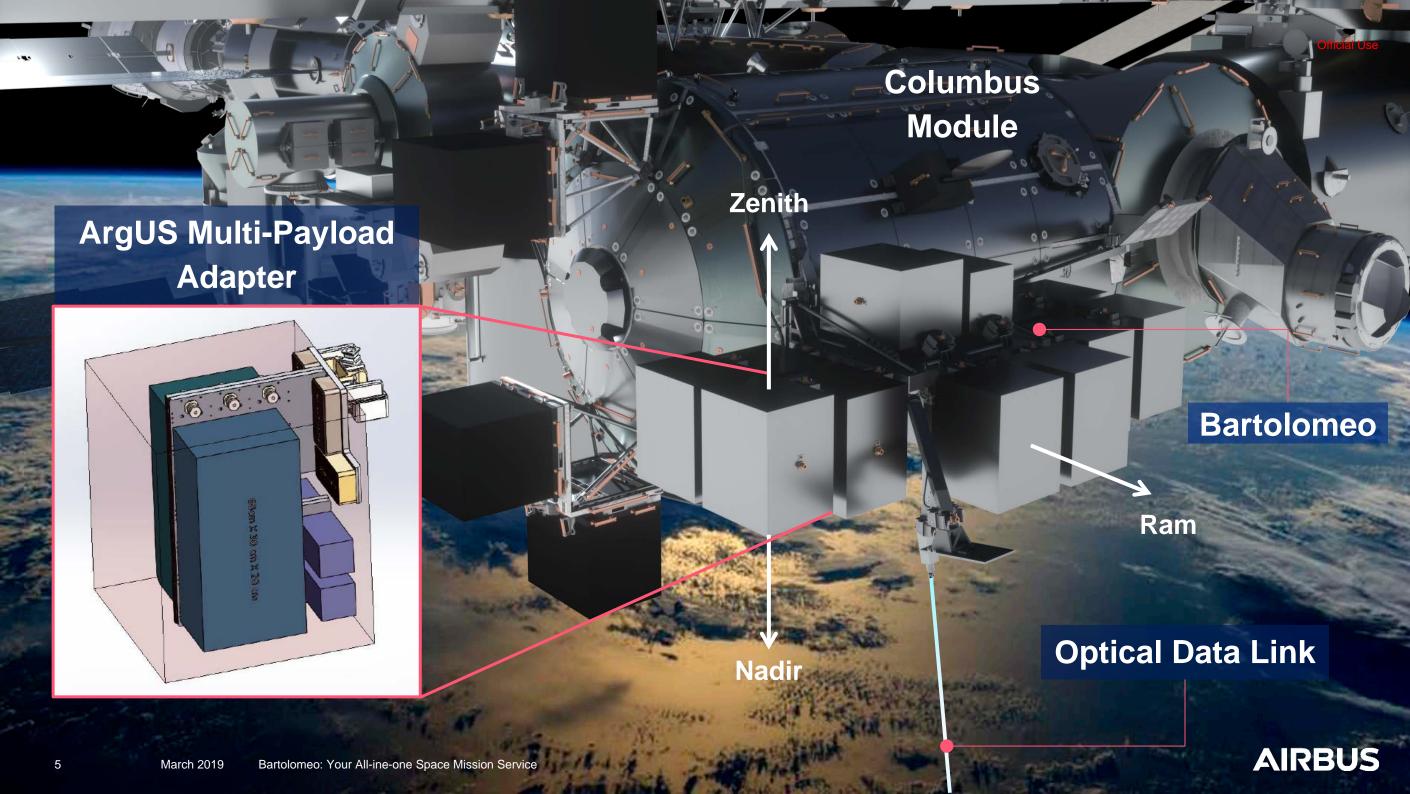
Dr. Christian Steimle, Simone Sasse United Nations/Jordan Workshop: Global Partnership in Space Exploration and Innovation, 25 - 28 March 2019





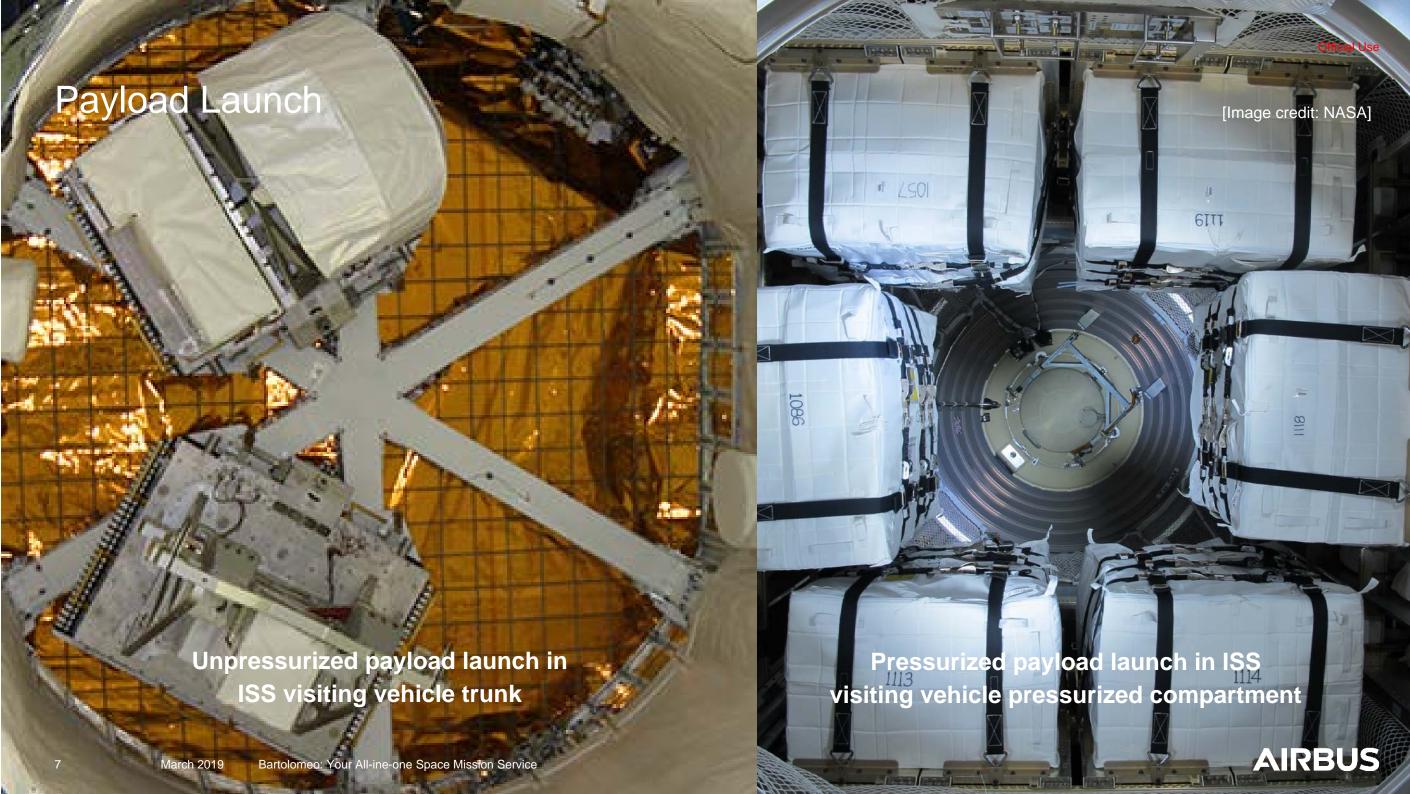


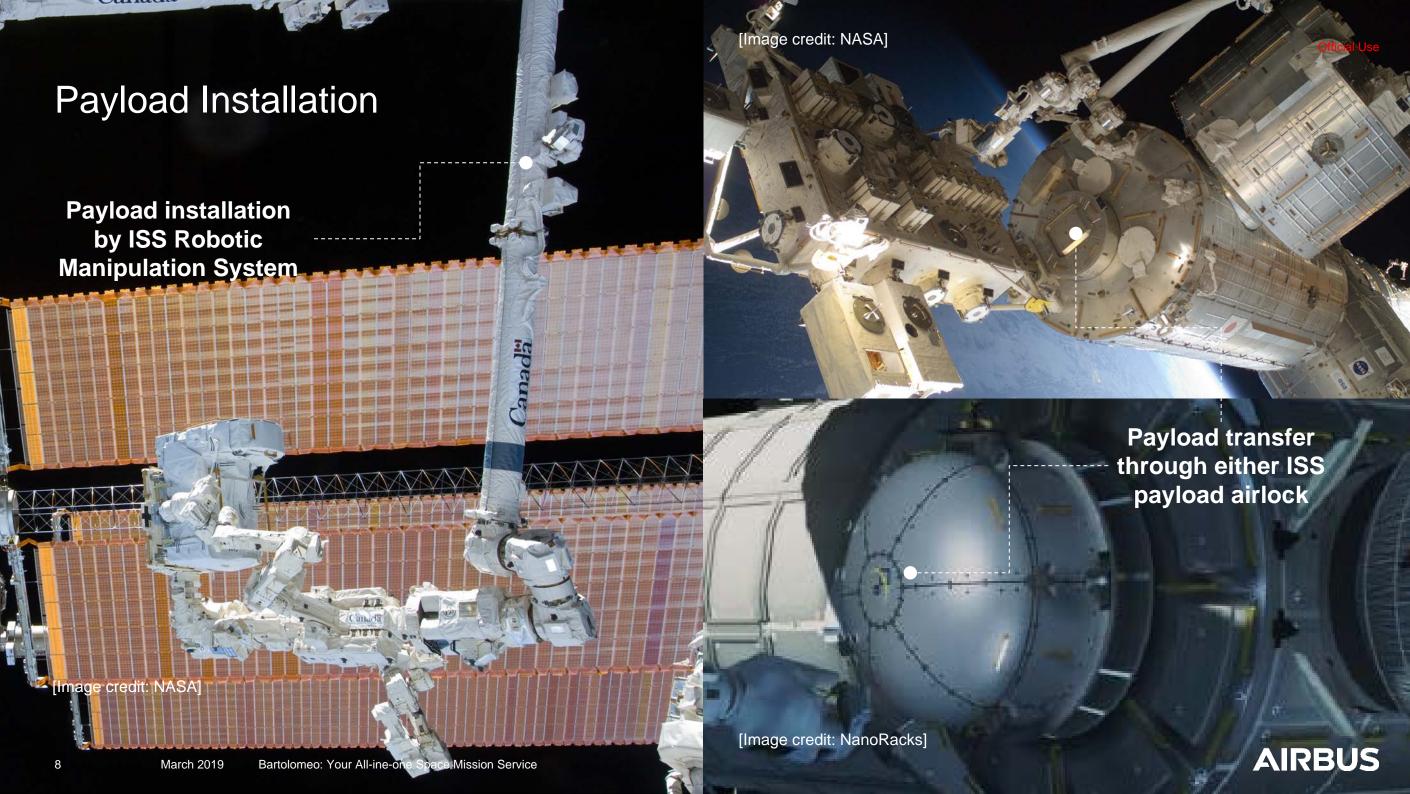




Bartolomeo Concept of Operations



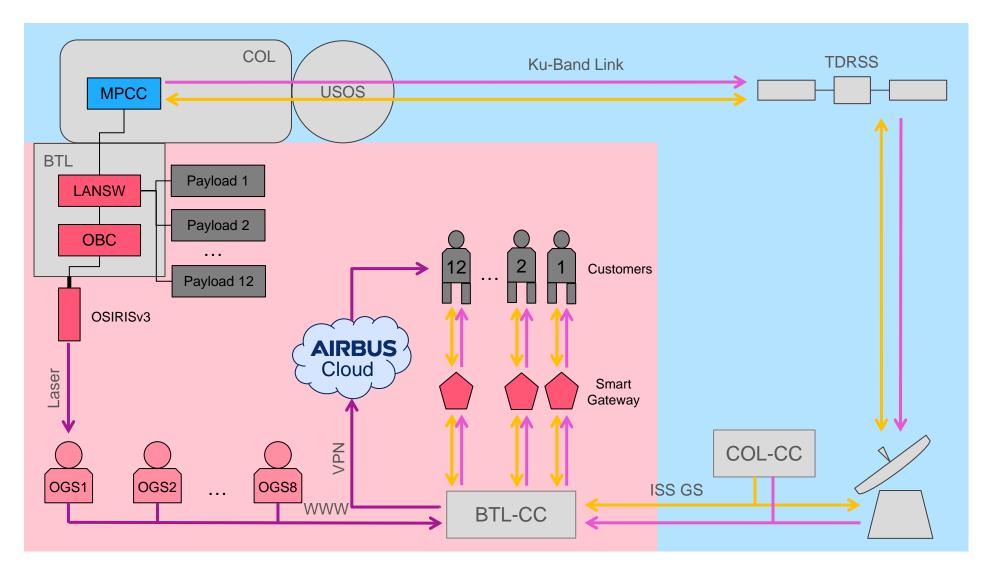






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Official Use

Payload Operation



- ←→ TM/TC link
- Near Real Time Data downlink (1 Mbps)
- High capacity data downlink

Link	NRT Link	HC Link
Downlink	1-10 Mbps	2.5 TB/day
Uplink	1 Mbps	None
Latency	below 1 s	N/A

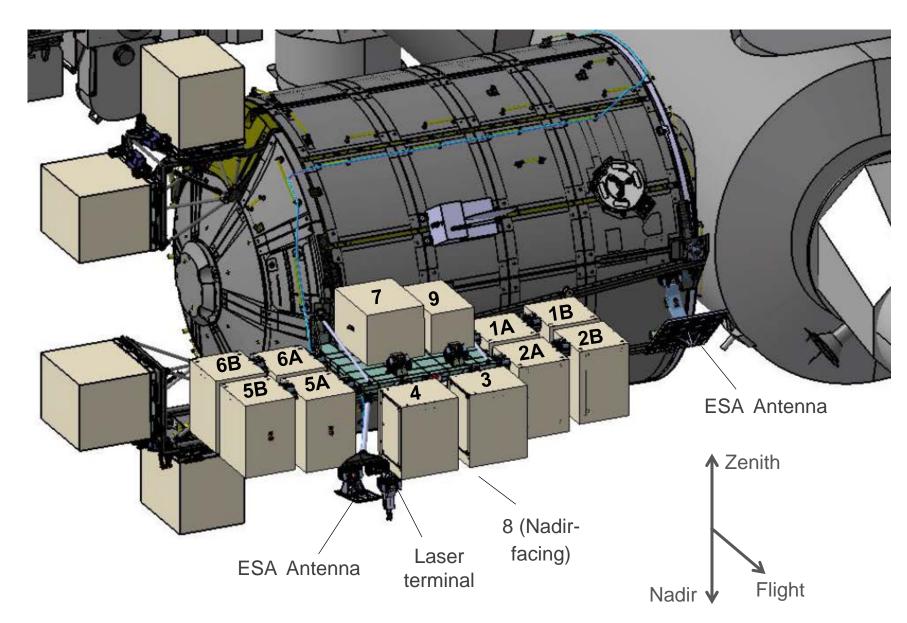


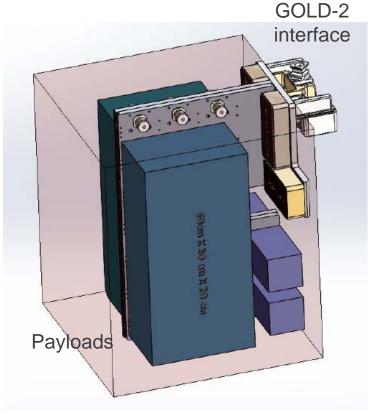
Bartolomeo Platform Design and Capabilities



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Official Use

Payload Accommodation





ArgUS Multi-Payload Adapter

- ArgUS can be accommodated on Slot 1, 2, 3, 4, 5, and 6
- Slot selected based on payload requirements and overall booking situation



Bartolomeo All-in-one Space Mission Service



Official Use **DEFENCE AND SPACE**

Bartolomeo All-in-one Space Mission Service

Standard service

Payload transfer to the outside of the ISS



Payload operation on the Bartolomeo platform



L+3 months

L-20 months

Payload launch on any ISS service vehicle



Payload installation using the ISS Robotic Manipulator System





Payload data Data delivery to the customer





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Capability offered within the upcoming 1st Announcement of Opportunity



Capability offered within the upcoming 1st Announcement of Opportunity

- > 3U-sized payload will be integrated, launched, installed and operated as part of the Bartolomeo / ArgUS Multi-Payload Adapter system free of charge
- > Mission duration 1 year is included

Optional Services:

 $1U = 10 \times 10 \times 10 \text{ cm}$

- Larger payload sizes and longer mission durations are available at 80,000 USD / U / year
- > Payload return available at 80,000 USD / kg
- Broadband data downlink capability available at extra charge TBD

SUSTAINABLE GALS DEVELOPMENT GALS







































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