Bartolomeo
External Payload Mission Hosting on the ISS as a Service

DEFENCE AND SPACE
UNOOSA Webinar Series on Hypergravity/Microgravity
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Welcome!

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What is Bartolomeo?
Payload hosting on an external platform of the ISS Columbus Module

- Perfect viewing conditions
- Versatile: payloads from ~3U to ~1.2m³, up to 450kg
- Flexible: 1-year standard time slot extendable
- Cost-effective: from ~300k€/year

Bartolomeo
Your All-in-One Space Mission Service

June 2021
BARTOLOMEO UNOOSA Webinar Series on Hypergravity/Microgravity
The All-in-One Space Mission Service: All Mission Elements in One Contract

**PAYLOAD TRANSFER**
to the outside of the ISS

**PAYLOAD DATA**
data delivery and processing

**PAYLOAD INSTALLATION & COMMISSIONING**
using the ISS Robotic Manipulator System

**PAYLOAD OPERATION**
on the Bartolomeo platform

**PAYLOAD RETURN**
to the Earth (option)

**MISSION LEAD TIME**
as low as 12 months

**LAUNCH OPPORTUNITIES**
every 3 months

**MISSION DURATION**
12 months extensions possible

**LAUNCH OPPORTUNITIES**
every 3 months

**PAYLOAD LAUNCH**
on any ISS service vehicle

**PAYLOAD DATA**
data delivery and processing
Bartolomeo in Space
Small payloads on ArgUS Multi-Payload Adapter

All payloads connect via standardised GOLD-2 interface

Payload Accommodation

RAM | ZENITH | NADIR view
Standardized interface
High-speed data transfer
ArgUS Multi-Payload Adapter

Ride-Share Solution for Small Payloads

- Up to five payloads per side, sizes from 3U up to 170U per side
- Simple interfaces
- 28VDC to 8 payloads | 120VDC to 2 payloads; power adaptable to each individual payload
- Designed to meet requirements of start-ups and small businesses
Excellent Viewing Conditions in All Directions

### Example: Field-of-View Analysis Site 3

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<th>NADIR</th>
<th>ZENITH</th>
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Image Credit: NASA
Your Space on Bartolomeo

SINGLE SLOT
[standard]

- up to 700 x 800 x 1,000 mm³
  ~27.5" x 31.5" x 39"
- up to 450 kg*
  ~990 lb*
- from €3.5M per year**
  ~US$ 4.2M

SHARED SLOT
[ON ArgUS]

- from 3U: 300 x 100 x 100 mm³
  ~11.8" x 4" x 4"
- from 4 kg
  ~9 lb
- from ~€300k
  US$ 360k per year** for up to 8U

DOUBLE SLOT

- up to 800 x 1,500 x 1,000 mm³
  ~31.5" x 59" x 39"
- up to 450 kg*
  ~990 lb*
- from €6.3M per year**
  ~US$ 7.5M

SHARED SLOT
[DOUBLE SLOT]

- if overall platform payload mass permits
- discount applies for longer missions; current exchange rates at time of contract apply

**discount applies for longer missions; current exchange rates at time of contract apply
Partnership to offer a free payload on Bartolomeo

- Open to all UN member states; developing countries encouraged
- Mission devoted to addressing the UN’s SDGs
- Selection of winner ongoing… formal announcement coming soon!
What can I do on Bartolomeo?

https://youtu.be/sAtsnPWPjLk
www.airbus.com/bartolomeo

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