



**JEM Small Satellite Orbital
Deployer “J-SSOD”**

Japanese Experimental Module “Kibo”



Space BD

Space Station Small Satellite Deployment Service

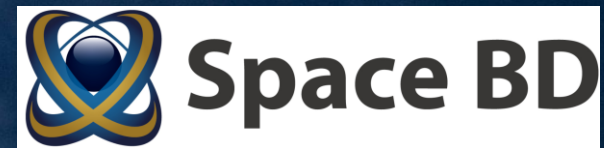
**Director, Satellite Launch Services
Kaz Momoo**

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Background of the Satellite Deployment Service

Satellite Deployment Service

transferred in May 2018

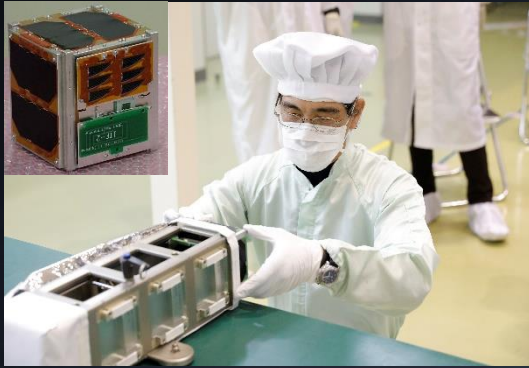


Service Provider

authorized by JAXA



Satellite Deployment Flow



Satellite Installation



Packing in a
Cargo Transfer Bag



Transportation to the ISS
(H-IIB/Falcon9/Antares)



Transportation to the ISS
(HTV/Dragon/Cygnus)



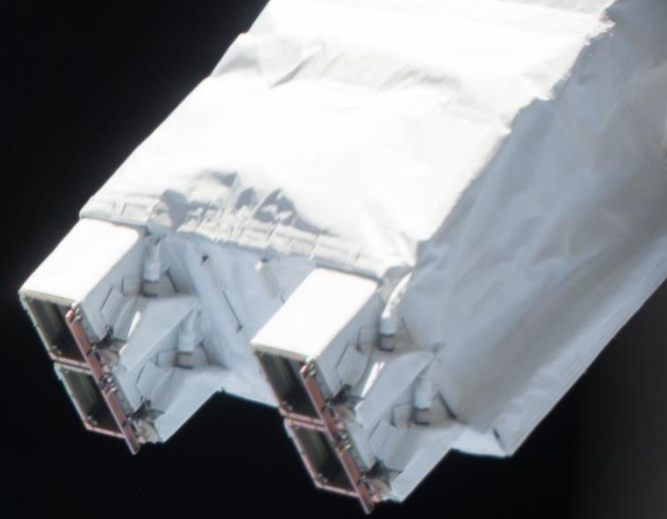
J-SSOD Installation



Satellite Deployment

Track Record

- More than 220 satellites were deployed from Kibo!
- Space BD already got contracts and is involved in many projects.



Small Satellite Orbital Deployer : J-SSOD

Installable Satellite Size

- CubeSat size: 1U~6U (1U=10×10×10cm)
- 50kg-class (55×35×55cm)

Insertion Orbit

- Altitude: approx. 400km
- Inclination: 51.6°



3U:10×10×30cm



Deployment Capability

- CubeSat :
a total of 48U (Near Future)
- 50kg-class satellite:
1 satellite



Project Schedule

Example Schedule (Time to Launch-/ + months)

T-12 Contract Sign

T-4 Safety Review

T-3 Customer Delivery

T-2 Space BD delivery to Launch Pad

T+1 Deployment

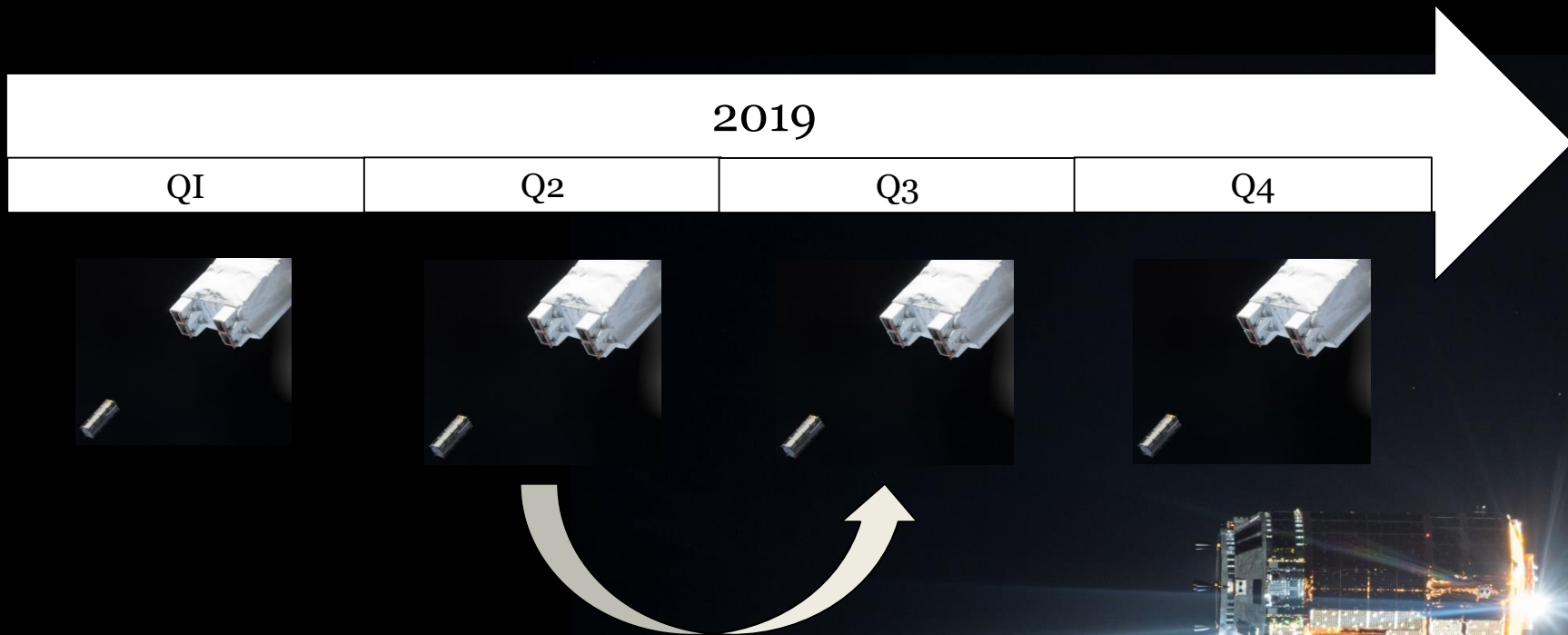
5 Key Merits

- ① Flexible Deployment Schedule
- ② Mitigated Launch Environment
- ③ User Friendly Service
- ④ Perfect Success Rate
- ⑤ Competitive Price



Merit① Flexibility of Deployment Schedule

- We can provide satellite deployment opportunities once a quarter.
- Customers can choose preferable time slot.
- We are very flexible about a delay in satellite development schedule.



Merit② Mitigation of Launch Environment

- Satellites are packed in Cargo Transfer Bags filled with soft cushion form.
- Vibration level during launch is very low.
- Shock Testing is not required.



Merit③ User Friendly



Space BD

Customer

Technical Advice

Safety Review Preparation
and other necessary support

Flight Integration

Logistics & Transportation

Launch/Deployment

Design

Manufacturing

Test

Merit④ Perfect Success Rate

Deployment Success Rate is 100%!!

Merit⑤ Competitive Price

We can offer affordable price.
Please stop by our booth!!

Space BD(株)

宇宙商社



Space BD

Space BD
Satellite Deployment Service
From the 'Kibo' Module

Selecte
JAXA
ONE-STOP SERVICE TO DELI
YOUR SATELLITE TO SPAC

A long-exposure photograph of a space station in orbit above Earth. The station's complex structure, including solar panels and various modules, is visible against the dark background of space. The Earth's horizon is a bright, curved line at the bottom, showing a gradient from orange to blue. Numerous white streaks, representing star trails, are scattered across the upper portion of the image.

Accelerate “Industrialization” of Space

Thank you!

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