

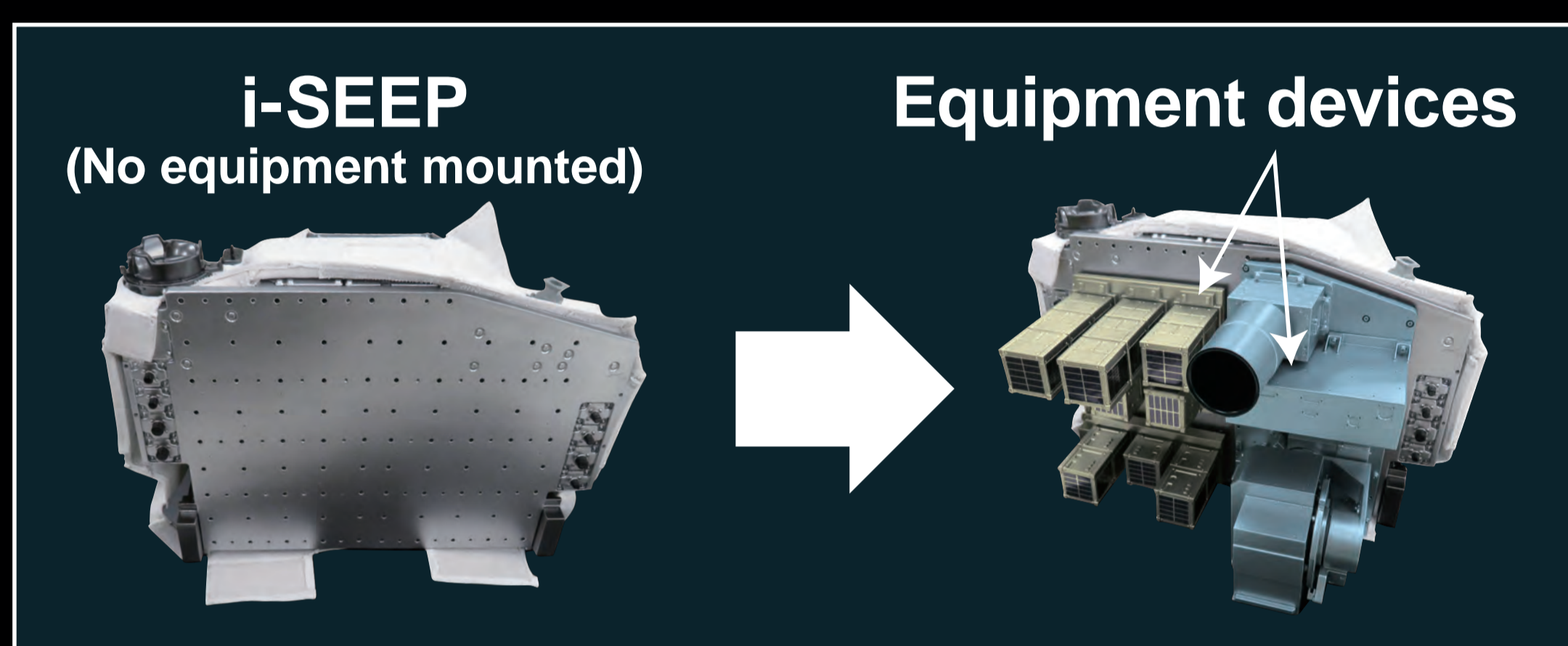
Utilization of Kibo Exposed Facility on International Space Station



Technical demonstration of your mission equipment can be conducted in space easily and quickly. Your mission equipment will be launched as a pressurized cargo with cushions and brought it out through the Kibo Airlock robotically.

i-SEEP IVA-replaceable Small Exposed Experiment Platform

i-SEEP provides power and communication resource to mission equipment. This allows for easier technology verification and Earth/astronomical observations.



Service Provider : Space BD Inc.

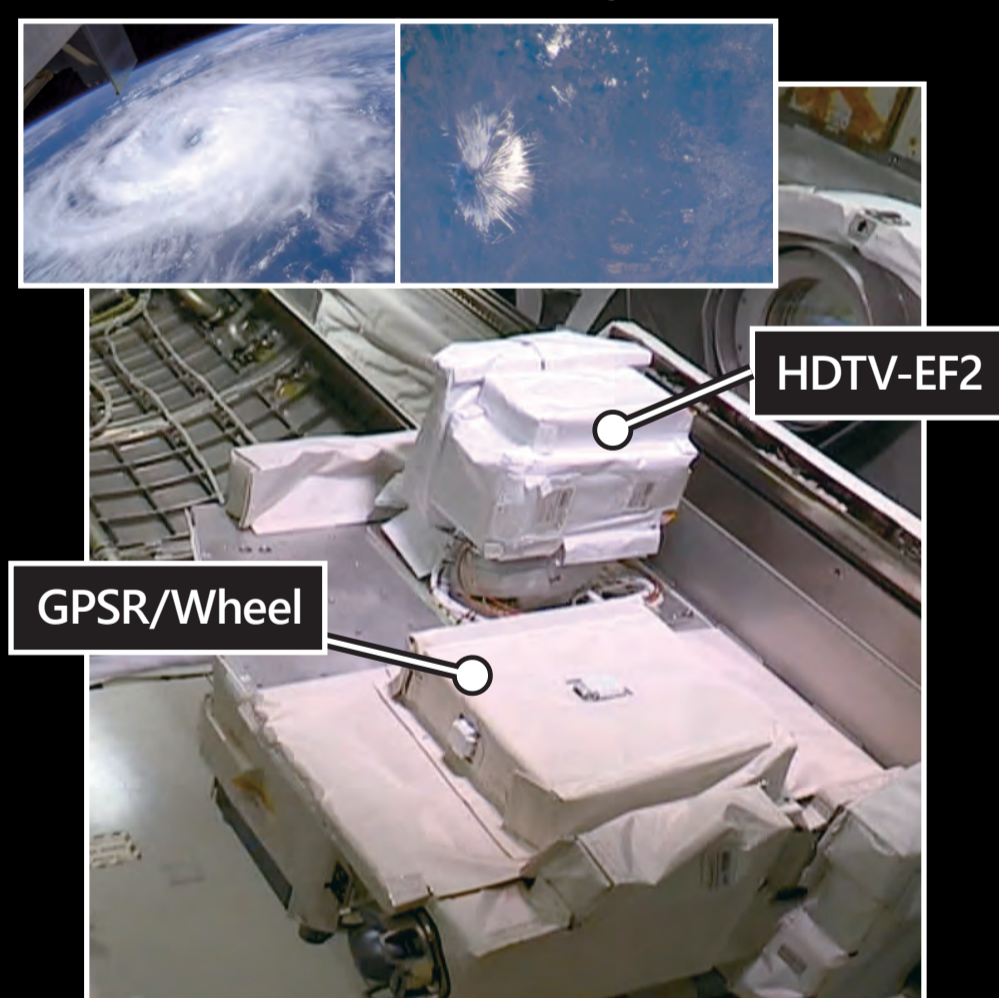


i-SEEP Usage Examples

HDTV-EF2

Mission: 2 COTS cameras for disaster monitoring, fixed-point observation, and other commercial utilization.

Camera 1: 15m resolution images with 20x zoom.
Camera 2: Observation available at night.

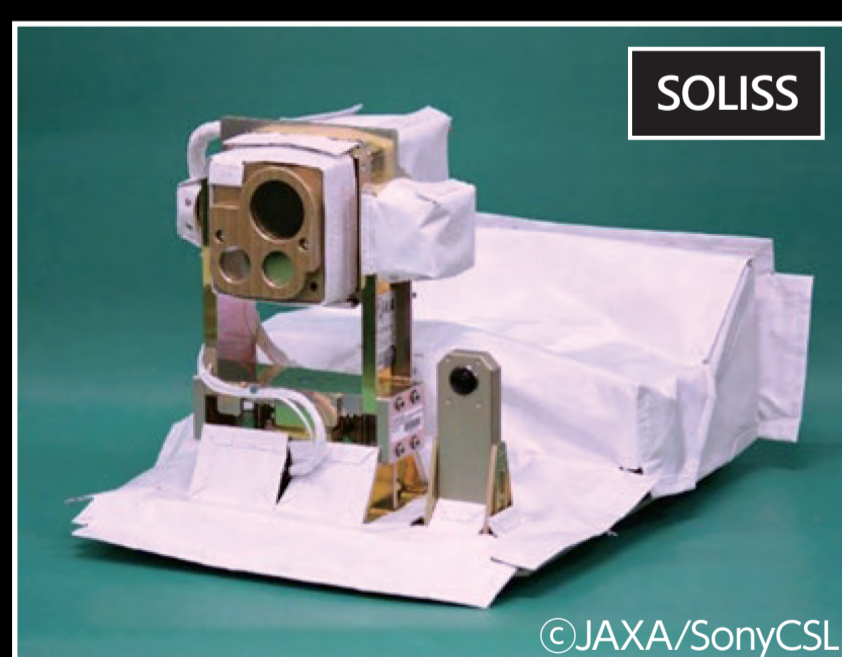


GPSR/Wheel

Mission: Technical demonstration of GPSR/Wheel demo unit with COTS components for application to Small satellites.

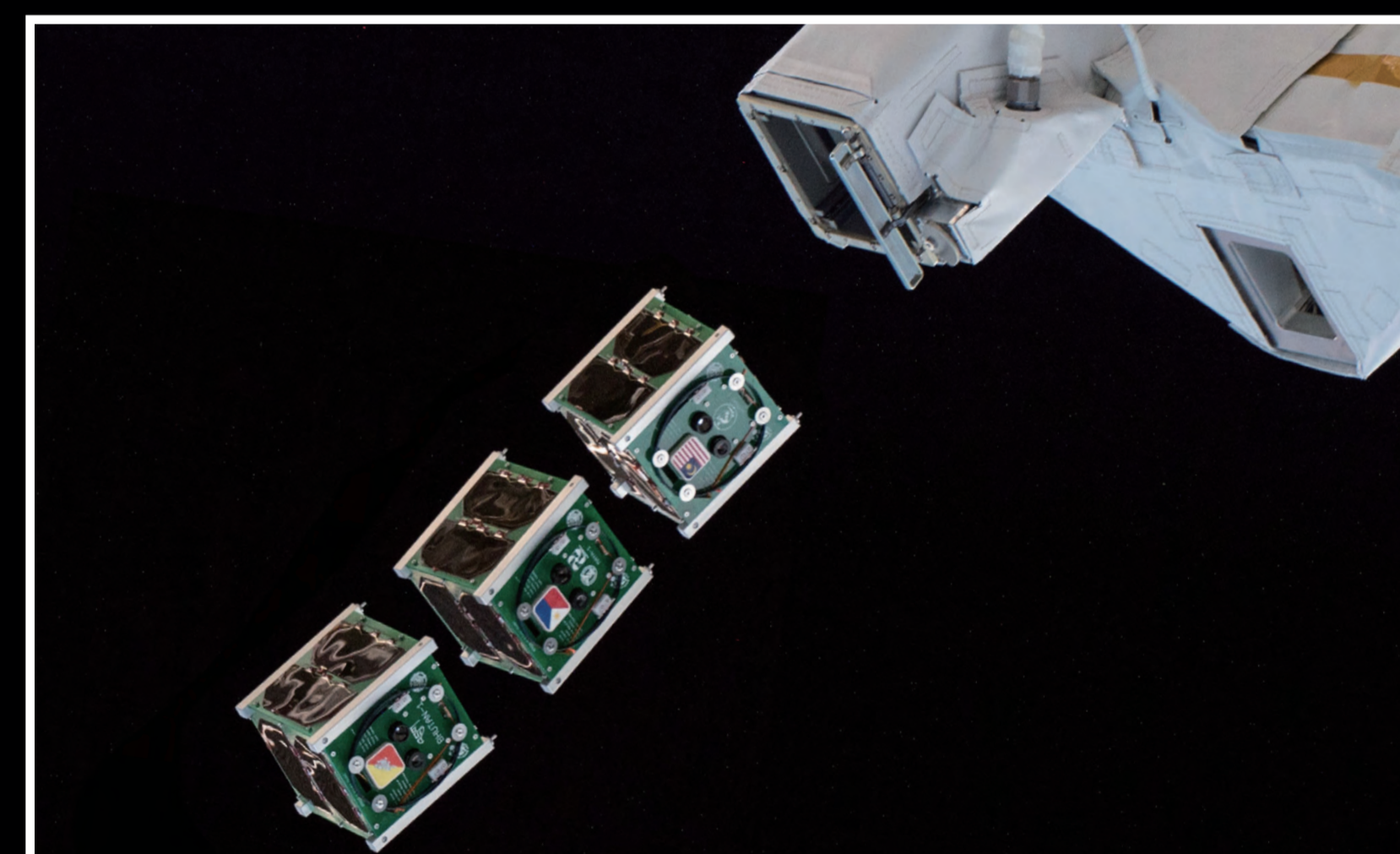
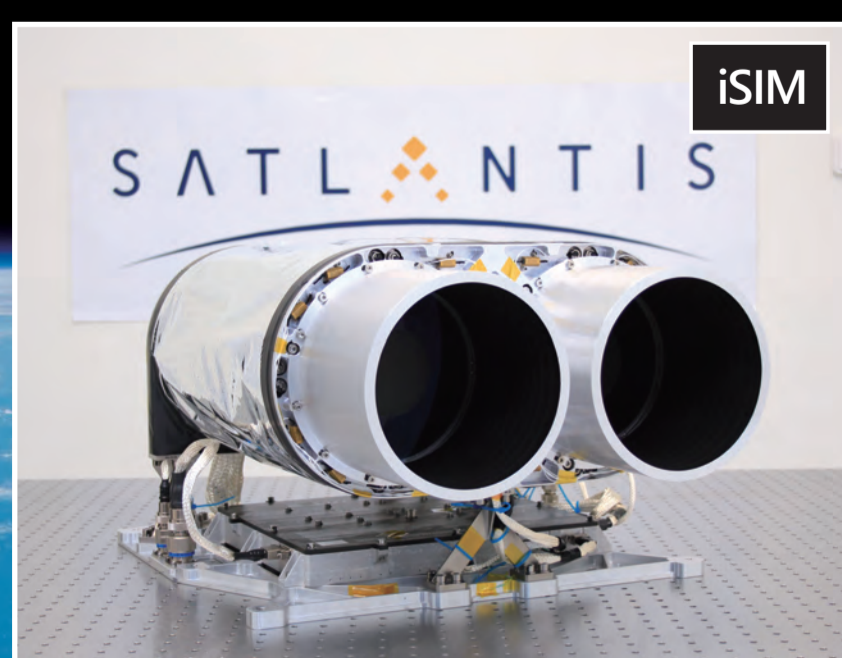
SOLISS (Sony CSL, Inc.)

Mission: Technical demonstration of long-distance optical communication module. It will communicate with the ground station in Japan.



iSIM (Space BD Inc. & Satlantis (Spain))

Mission: Technical demonstration of high-resolution optical payload binocular telescope for Earth observation from small satellites.



More than 240 CubeSats deployed from Kibo/ISS in total 38 CubeSats from 17 countries deployed using J-SSOD

J-SSOD

JEM Small Satellite Orbital Deployer

Service Provider : Space BD Inc. and MITSUI & CO., LTD.