

Interactive Presentations (IP)  
Topic 6 - Interactive Presentations (6)

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PROMOTION OF "ACCESS TO DEEP SPACE" FOR SMALL SATELLITES USING JAPANESE  
PLATFORM AND TECHNOLOGY

**Abstract**

Since 2018, JAXA has been aggressively promoting commercialization initiatives in the field of the space transportation including H3, the new Japanese flagship launch vehicles, as well as the ISS Japanese Experimental Module "Kibo." Space BD Inc., one of the most evolving Japanese space startup, is the only company who has been successfully selected by JAXA as the official service provider in three areas; (1) Nanosatellite launch and deployment service from the ISS Kibo, (2) the in-orbit demonstration service using the external platform of the ISS Kibo, and (3) rideshare satellite launch service using H3. Leveraging the expertise of rideshare launch service, both in technical and marketing aspects, Space BD is now planning to initiate new service to provide "access to deep space" targeting small satellite players.

In May 2018, Space BD won the bid to the Request For Proposal by JAXA about the commercialization of small satellite deployment from the ISS Kibo ([http://global.jaxa.jp/press/2018/05/20180529\\_microsat.html](http://global.jaxa.jp/press/2018/05/20180529_microsat.html)). As of the end

Also in December 2019, Space BD was selected by JAXA as the official satellite launch service provider using H3 rideshare opportunities (<https://global.jaxa.jp/press/2019/12/20191204b.html>). H3, the next generation Japanese flagship launcher, is technically capable to access to lunar orbit. Space BD is accumulating technical know-how and cultivate demands in small satellite community both in Japan and overseas, so that the rideshare launch service to lunar orbit is feasible and commercially sustainable.

As stated above, the presentation refers how Space BD aims for starting the new transportation service to deep space, especially targeting on the small satellite developers.

In addition, this presentation explains how and why international collaboration is inevitable in order to make deep space exploration sustainable and growing as the industry.