

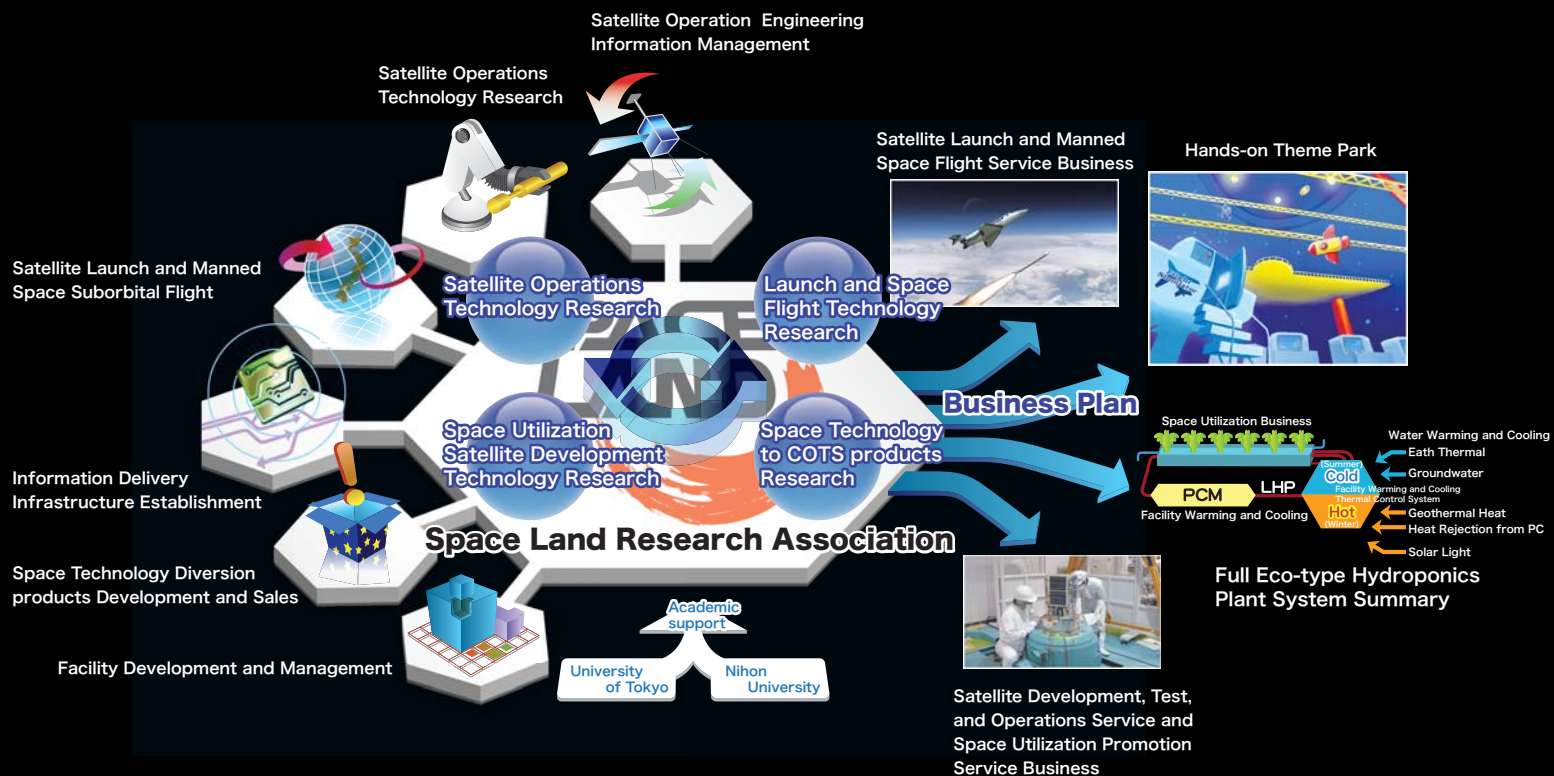
# SPACE LAND JAPAN



## About Space Land Japan

To develop the infrastructure of space industry, evolve the space utilization technologies, and create the unique space utilization businesses by synergism of associates, the Space Land Research Association Japan (SLJ) was approved by Ministry of Economy, Trade and Industry (METI) at February 5th, 2010 and established at February 26th, 2010. The goal of the SLJ is to create and promote the business of space utilization. Creating a new business by cooperating cross-industrial association has been achieved in various industrial fields.

The space industry is just trying to seek the possibility and the potential market needs. The SLJ is going to produce a new space utilization industry by cooperating with various talents of specialties in SLJ and grow this industry and enhance its international competitiveness.



## Our Activities

### Infrastructure Development for the Commercial Small Satellites



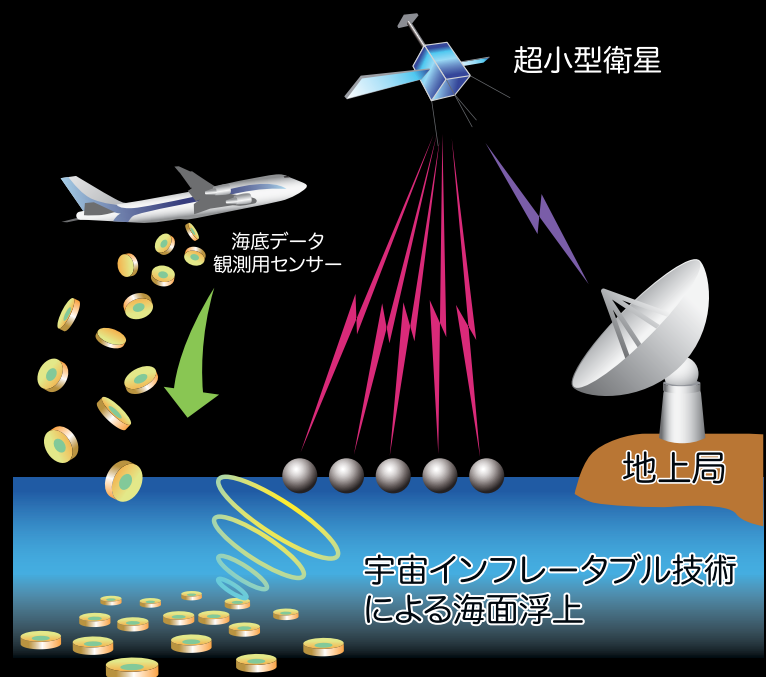
In Japan, about 30 small satellites are planned to launch in the next 5 years, and moreover they say the total number may reach 50 or 100. “Kagayaki”, which is shown in the cover page picture, was developed by our union members and launched as a piggy-back payload on the H-II A at January 2009. It’s a first Japanese small satellite developed by the private companies only. The “Kagayaki” development team recognized that there was no infrastructure for developing and

testing the commercial bus small satellites in Japan. We believe that establishing these infrastructures are essential to compete globally in the small satellite business. SLJ has started the feasibility study to implement these infrastructures efficiently.

### Development of small satellite utilization

The SLJ is open to the participation from the various industries to develop the utilization of small satellites. This figure shows an image of one of our business idea using the small satellite.

Observation of under the sea or seabed is difficult because of decrement of radio wave from space. In this idea, the seabed sensor observes the bottom of the sea directly in-situ and the sensor comes to the surface by inflatable float to uplink the data to small data-acquisition satellite. SLJ is studying to make this idea realize in cooperation with space and ocean engineering experts. We are sure that we come up with an unexpected great idea by synergy effect of cross-industry. We are always waiting for your participation from various industry!!



## Other Activities

SLJ has started a project to introduce sub orbital space plane to Japan. This project will provide paid services for flying a few people to the sub orbital at 100 km and providing micro-g environment for about 4 minutes to the scientists. SLJ has also started coordinating with the appropriate organization to have Asian hub space port in Japan for the future intercontinental space plane flight (90 minutes between Japan/US).



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## Union members

(As of April 1, 2012) (Alphabetical Order)

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## Directors

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Executive Director : Hiroshi Saegusa (TIS Inc.)  
Director : Katsuyoshi Yamamoto (TIS Inc.)  
Director : Misuzu Onuki (New Space Consultant)  
Director : Shoiti Ryuuki (SURPRISE Co., Ltd)  
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Space Land Research Association (SLJ)