

IHI AEROSPACE Co., Ltd.



<Activities related to On-orbit-services>

We have been studying on-orbit services, including rendezvous and docking, and hope to be in service in the near future.

Our activities related to On-orbit-services are based on following achievements,

- ✓ ETS-7 project
National project in 1997 to demonstrate rendezvous and docking conducted by Japan Aerospace Exploration Agency. IHI Aerospace contributed in engineering and manufacturing of propulsion system for chaser and target, and experiment system for refueling.
- ✓ Space debris monitoring
IHI group has been working with space debris for over 30 years and was the world's largest holder of debris removal patents as of 2017.
- ✓ SSA
IHI Aerospace is providing SSA data obtained by in-house monitoring system.
- ✓ Satellite Life Extension Service
We are involved in various studies related to robotic arms, image recognition, docking adapters, and refueling systems.

<About IHI Aerospace>

We started research on rocket projectiles in 1953. Now we have become a leading comprehensive manufacturer carrying out development and manufacture of rocket projectiles in Japan, and are active in a large number of fields such as rockets for scientific observation, rockets for launching practical satellites, and defense-related systems, etc.

In addition, we have been playing an important role in spacecraft propulsion, space station equipment including small satellite deployer, exposed facility, and experiment facilities attached in Japanese module.

With our wealth of technological expertise accumulated to date, we are further enhancing our capabilities to prepare for the sustainable space utilization, as well as boldly take on the new fields of FRP components for jet engines, robot systems and so forth, ultimately contributing to the realization of mankind's dreams and advancement of society.