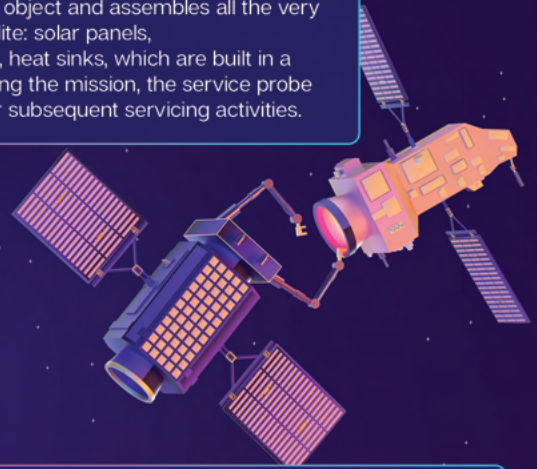


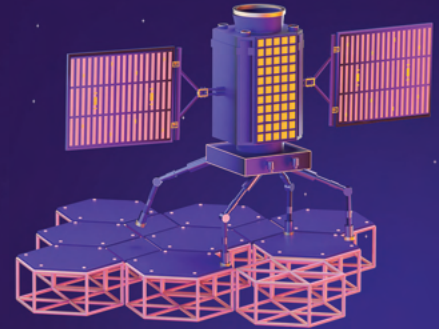
Deployment of new satellite modules by the on-board robot

A service probe belonging to a service provider with a robot on board, reaches another space object and assembles all the very large components of the satellite: solar panels, telecommunications antennas, heat sinks, which are built in a modular mode. After completing the mission, the service probe returns to the parking orbit for subsequent servicing activities.



Technical maintenance as well as replacement of fast-wearing subsystems

A servicer spacecraft - (satellite or probe), operated by a service provider, reaches the customer's telecommunications satellite and then docks to it by means of a mechanical docking device. On board of the servicer there is a robotic arm as well as replacement subsystems to be replaced. The servicer's robotic arm performs replacement of old subsystems with new ones. The service probe returns to its orbit or to other activities.



Completion of simple research tasks

Mars exploration rover navigates through unknown and difficult terrain. The vehicle performs geological measurements and observes land forms on the planet's surface.



Collecting samples for transport to Earth

A Mars rover cooperates with an orbiter orbiting an object (i.e. a planet) and communicates with it, as well as it cooperates with the probe, whose task is to transfer sample of material (regolith) collected by the rover to Earth.



P O L S A

