

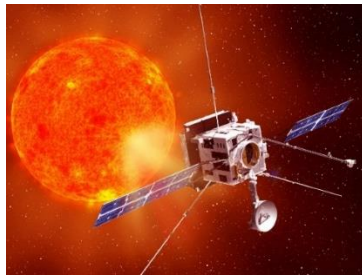
Corporate news

► SOLAR ORBITER

ESA mission to study the solar activity

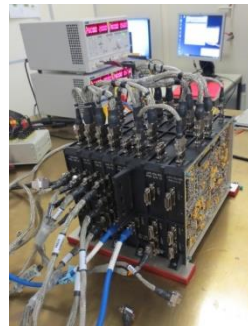
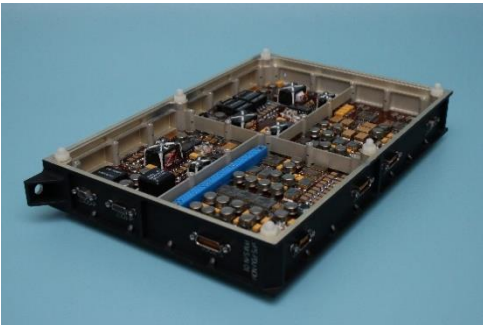
The scientific satellite includes, among the other things, the "Radio and Plasma Waves (RPW)" device. RPW also includes the development and production of "Low-Voltages Power Supply (LVPS)", a power supply unit that will power RPW devices and withstand conditions near the Sun.

Planned mission SOLAR ORBITER



The aim is to ensure the supply of electricity from solar panels, its regulation, measurement of telemetry data on power consumption and filtration of harmful interference.

The Astronomical Institute of the ASCR has been participating in the project since 2013 in cooperation with the CSRC company, which has been operating since December 2017 as the Space Division of BD SENSORS. It was in October 2019 that BD SENSORS successfully completed the production of the last FS2 power supply unit and handed it over to the European Space Agency (ESA).



Modul RPW LVPS FS2 manufactured in BD SENSORS LVPS Modul integrated to the RPW unit

Corporate news

► Start anniversary and successful mission

On November 2, 2019, it was 10 years since the launch of the rocket carrying the Proba 2 satellite. There are two devices on this satellite on which the CSRC cooperated with the Institute of Atmospheric Physics of the Academy of Sciences in the Czech Republic.

It was a DSLP device that measures the electron density and temperature in the background of the Earth's magnetosphere. Furthermore, the TPMU device, which measures the density and composition of ions.



The main mission was planned for 2 years, however, all systems work as standard after such a long time. As a result, ESA has extended this mission several times and currently has no reason to stop it.