

BD SENSORS®

pressure measurement

Founded: 1993
Turnover: 16 mil €
Employees: 160
Firm Size: SME

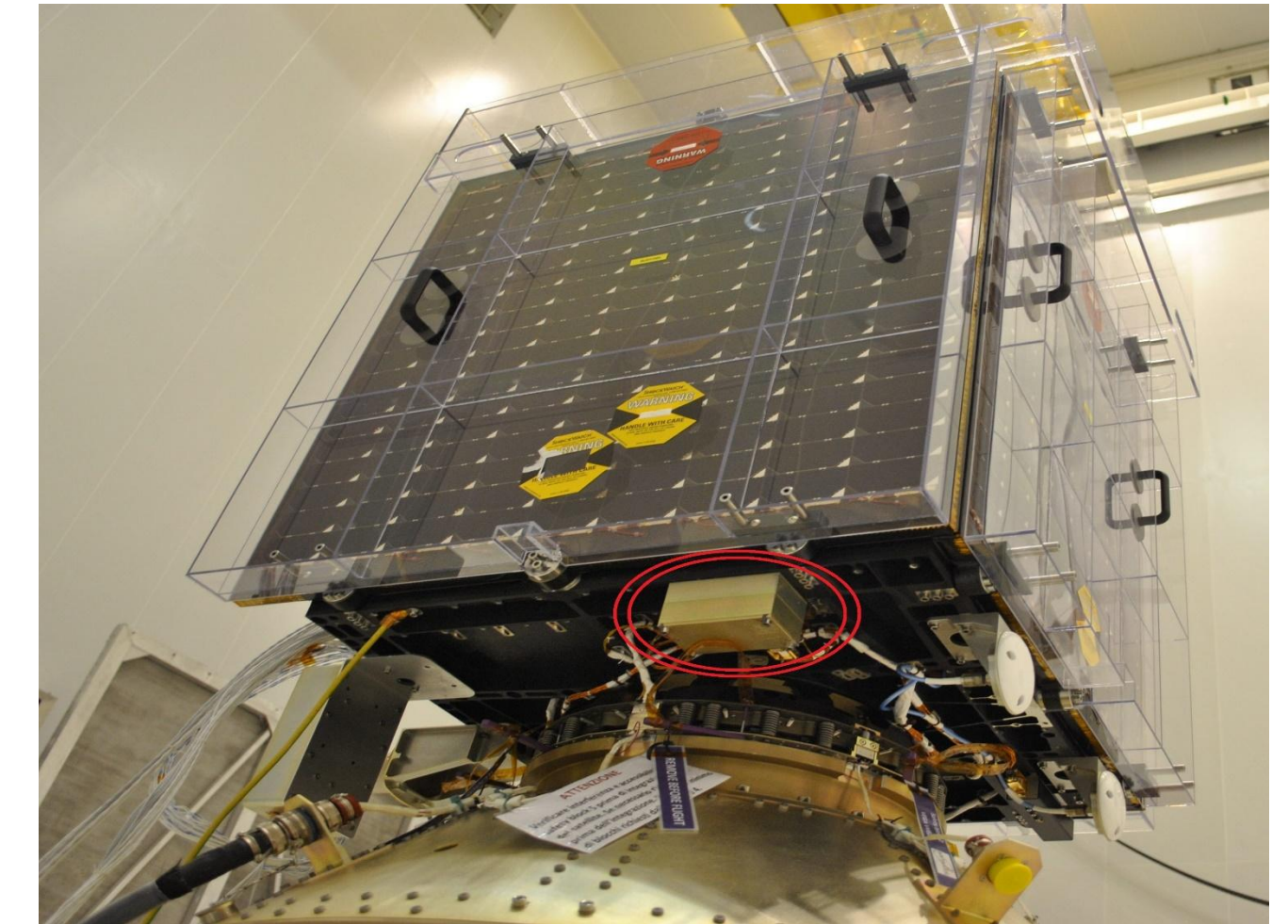


Pressure Sensors

<https://www.youtube.com/watch?v=1Xi1ZRdL1NI>



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Space Electronics


<https://www.youtube.com/watch?v=Jt0HQ2YNdhQ>

BD SENSORS is a European leader in the field of Pressure Sensors Technology and one of the leading SMEs in Electronics development and manufacturing for Space Applications, having 30 years of “Space Heritage” via its “Space Division”.



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Space Business Development
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2026 Mini_v2

 www.bdsensors.cz

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Introduction & Core Business

Competences & Capabilities

- Complex solutions for Pressure Sensors & Pressure Measurement Devices
- Automated and Manual PCB Assembly in accordance with ESA ECSS Standards
- Space Electronics Development and MAIT
- Electronic Ground Support Equipment (EGSE)
- Harness & Cabling (MAIT)

Products & Services

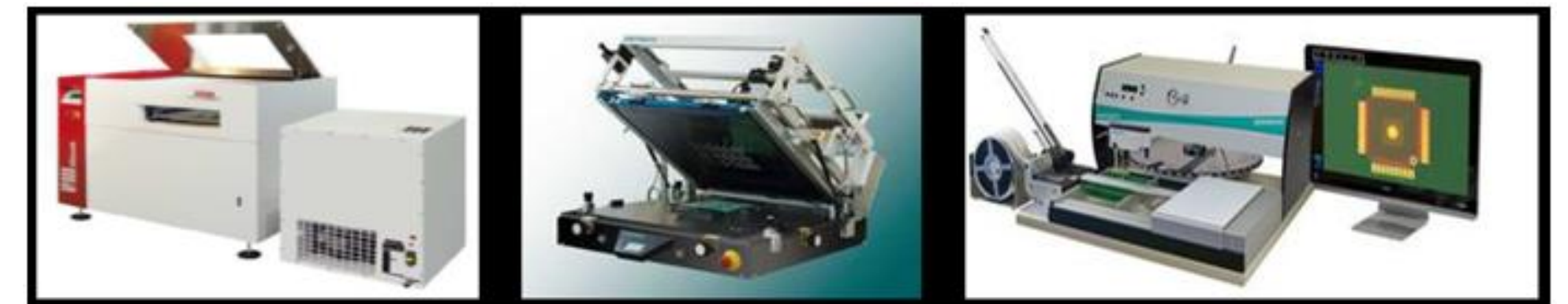
- Pressure Sensors with portfolio of +100 product types
- Pressure Sensors for the International Habitat Module (I-HAB / Cislunar Gateway)
- Banks of Supercapacitors for Space
- Automated & Manual FM PCB Assembly according to ESA ECSS Standards
- EGSE & Unit Testers

Space Related Equipment Labs

- Cleanroom 100.000/10.000 class, 170m²
- Automated SMT line for FM PCB Assembly / ECSS-certified
- Manual soldering workstation / ECSS-certified
- Software Design Tools (Altium, Solidworks, Structures, Thermal)
- Accredited Calibration & EMC Laboratories & Temp/Hum Chambers

Space Heritage & Major Space Projects

- INTEGRAL, PSAC Unit
- PROBA 2, DSLP&TPMU Units
- SWARM/TEASER, Micro-Accelerometer
- PROBA V, SATRAM Radiation Monitor
- ISS / ACES, European Laser Timing Instrument
- **Solar Orbiter, PWR for RPW & STIX Instruments**
- BOSC, Banks of Supercapacitors for Space
- METOP SG/3Mi, Filter Wheel Controller
- NEOSAT, Thermal Vacuum Test Benches
- **JUICE / APME, Manufacturing and Testing**
- NOVACOM 2, Flexible Solar Arrays
- Space Rider, Modul Driver Electronics
- HITPIX, Space Radiation Monitoring
- **I-HAB, Pressure Sensors for Space Application**



*Automated SMT Assembly Line for Space Electronics (ECSS)
! The only ESA / ECSS certified existing in CZE !*

Company	Manufacturing	Software	Services	R&D	Testing
BD Sensors, Space Division	▲▲▲▲	▲	▲▲▲	▲▲▲	▲▲▲▲

Parts and Materials	▲	Instruments and Payloads	▲
Subsystems and Equipment	▲	Ground Segment	▲

Certificates

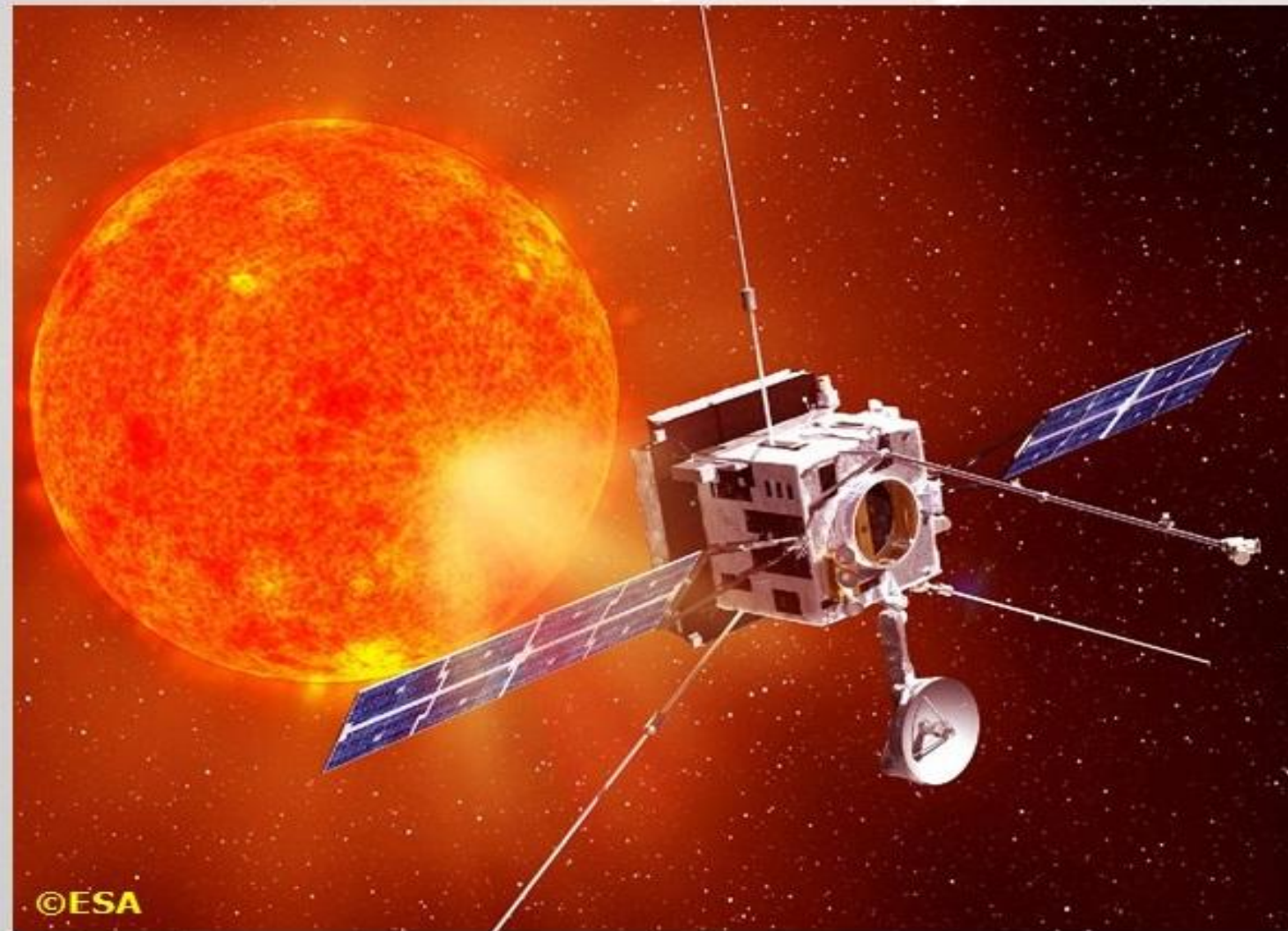
- ISO 9001
- ISO 9100
- ECSS-Q-70-08,-38,-26,-28
- Safe Enterprise

Space Heritage & Photogallery

SOLAR ORBITER Mission

Launched 10.2.2020, 5:03 h - Atlas V 411 - Mys Canaveral

BD SENSORS delivered an electronic LVPS Modules for the SOLO RPW & STIX scientific instruments



JUICE Mission

Launched 14.4.2023, 14:14h - Ariane 5 – Guyana Space Centre / Kourou

BD SENSORS delivered electronic APME Unit for the JUICE Mission

