



We.Create.Space.



Company profile

OHB Italia S.p.A. is part of the European Space and Technology Group OHB SE (Orbitale Hochttechnologie Bremen), listed on the Frankfurt Stock Exchange. It is one of the three top system integrators in Europe with 2900 employees worldwide and total revenues exceeded EUR 1 Billion in 2019. OHB Italia S.p.A. was founded in 1981, nowadays it is one of the two major satellite system integrators in Italy with more than 200M€ backlog and 96M€ revenues in 2019. It is a recognized national leader in the fields of Satellite&Missions, Earth Observation, Space Situational Awareness, Electronics&Mechanisms, Scientific&Planetary Instruments, with headquarters and Clean Room facilities in Milan and offices in Rome and Benevento. OHB Italia S.p.A. provides innovative solutions combined with high performance and a strong focus on customer satisfaction. The company employs 210 people between staff and collaborators, with a high percentage of graduates (78,5%) whose degrees are mainly in Aerospace Engineering, Math and Physics, Electronic Engineering, Information Technology. OHB Italia S.p.A. is prime contractor for various ASI/ESA missions and the main customers are the Italian Space Agency and European Space Agency, Research Institutes, Universities and all the industrial key players in the space market, with special attention to export domain.

ONE OF THE TOP ITALIAN SYSTEM INTEGRATORS
HIGH PERFORMANCE
INNOVATIVE SOLUTIONS
FOCUS ON CUSTOMER SATISFACTION
VERY HIGH TECHNICAL SKILLS

3

PREMISES IN ITALY
(MILAN, ROME, BENEVENTO)

40

YEARS OF HARITAGE
IN SPACE

14

SATELLITES/PAYLOADS/INSTRUMENTS
SUCCESSFULLY IN ORBIT SINCE 2000

78.5%

OF GRADUATE PEOPLE

210

OHB ITALIA EMPLOYEES

2900

OHB GROUP EMPLOYEES



Satellites & Missions

PRISMA *(PRecursore IperSpettrale della Missione Applicativa)*

Prisma satellite was realized for the Italian Space Agency (ASI) by a consortium led by OHB Italia S.p.A. as Prime Contractor. It is the first European Satellite with hyperspectral instrument and panchromatic camera on board. It was successfully launched atop a Vega launcher on 22nd March 2019 from Arianespace Spaceport in Kourou, French Guyana. Now PRISMA is in orbit (commissioning completed) and it is acquiring, downloading, processing, delivering fundamental images for monitoring our Planet.

VENUS *(Vega Electric nudge Upper Stage)*

VENUS is an electrical transfer/module to be installed on VEGA payload interface to perform constellation precise orbit positioning, in orbit services and orbit transfers.

URANO Constellation

Urano constellation is composed of 57 Eaglet II mini-satellites with worldwide coverage and very small revisit time (every 30 min.). The constellation will monitor climate changes, marine/land surveillance as well as enable security and emergency services.



NAOS *(National Advanced Optical System)*

It is an Earth Observation mission for Luxembourg Government. NAOS is a very-high-resolution optical satellite system developed by OHB Italia S.p.A. as the Prime Contractor. NAOS contract is an end-to-end agreement for the provision both of the satellite and of its ground segment.

COMET INTERCEPTOR

It is a new fast class ESA mission comprising three spacecrafts, with the target to visit a truly pristine comet or another interstellar object. It will offer a new insight into the evolution of comets as they migrate inwards from the periphery of the Solar System.

BIOMASS

Earth Explorer Mission of ESA for Biomass and Tropical Forest Observation (distribution, annual changes, links with Earth climate). Essential support to UN treaties on the reduction of emissions from deforestation and forest degradation. It will carry the first P-band synthetic aperture radar, able to deliver accurate maps of tropical, temperate and boreal forest biomass.



Earth Observation Instruments

MWI *(MicroWave Imager)*

It is a conically scanning microwave radiometer providing measurement of precipitation, observations of clouds, snow, sea-ice coverage, water vapor, temperature and surface imagery. MetOp mission, a program that was jointly established by ESA and the European Organisation for the Exploitation of Meteorological Satellites (Eumetsat), is forming the space segment of Eumetsat's Polar System (EPS).

CIMR *(Copernicus Imaging Microwave Radiometer)*

The mission would carry a wide-swath conically-scanning multi-frequency microwave radiometer to provide observations of sea surface temperature, sea ice concentration and sea surface salinity.

MWI - MicroWave Imager



Space Situational Awareness

FLYEYE

Flyeye is an innovative telescope developed by OHB Italia S.p.A for the Italian Space Agency ASI and the European Space Agency ESA. It is able to monitor dangerous asteroids or space debris running towards the Earth one week in advance thanks to its very large Field of View (FOV). The telescope will use optical sensors for Space Surveillance, for Space Tracking and for Space Situational Awareness to detect Near-Earth Objects.

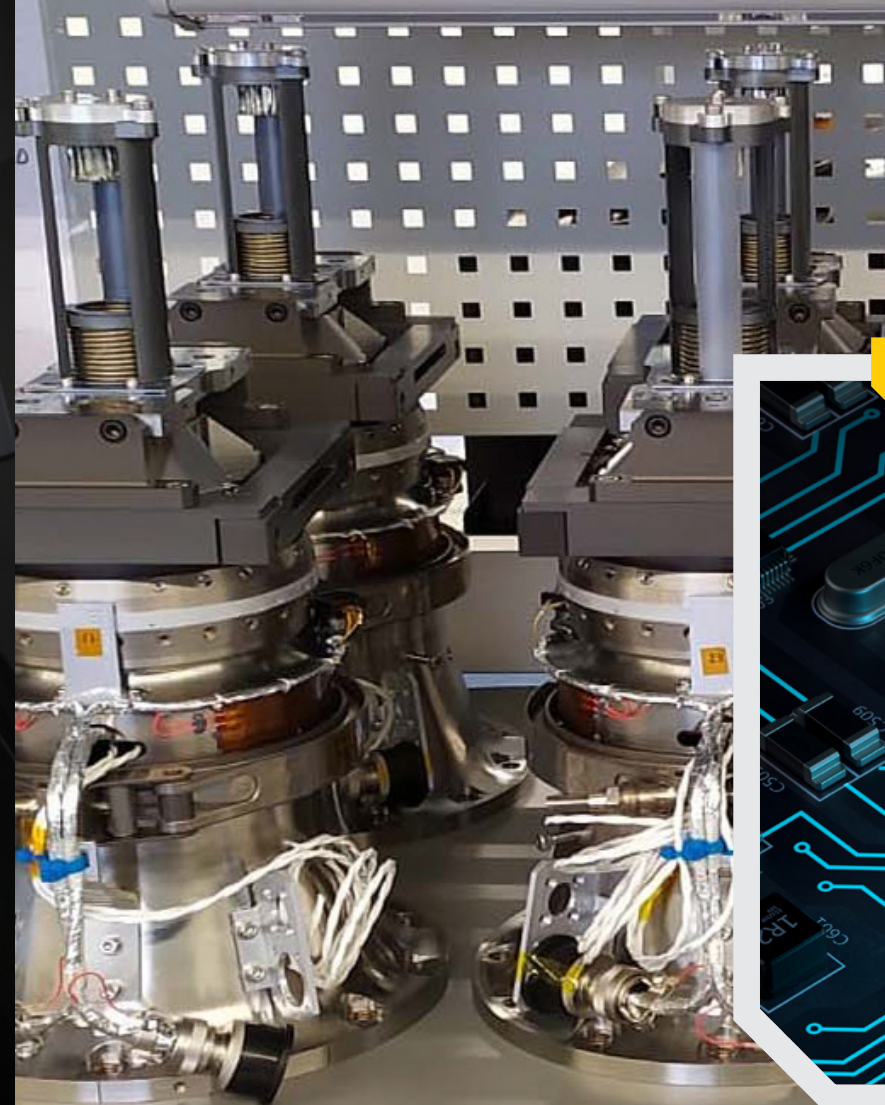
HERA MISSION

The Mission is an international double-spacecraft collaboration NASA/ESA for planetary defence. Target is a binary asteroid system, the Didymos pair of near-Earth asteroids. OHB Italia is responsible for system engineering support, harness, AIT support, Electrical Power Subsystem, Satellite EMC, charging and radiation analysis.

Electronics & Mechanisms

OHB Italia realized several Launch Locking Device (LLD) for MetOp-SG, MWI Inst., ICI Inst. and also Separation Subsystem for LARES I and LARES II. Both systems were developed under ASI flag.

MetOp SG / Launch Locking Device (LLD)



Scientific and Planetary Instruments

LARES

Lares I, a spherical passive satellite launched in 2012 on VEGA maiden flight. Lares II is to be launched in 2021 on VEGA-C maiden flight. Both systems were developed under ASI flag.

LISA PATHFINDER

It is an ESA Mission to detect one of the most elusive phenomena in astronomy: gravitational waves. It has a Caging Mechanism with the function to hold the Test Mass inside the inertial sensor during launch then release it in a very soft way.

EUCLID

Euclid is an electronic unit for ESA/NASA Mission. Flight hardware of the Visible Instrument and of the Near Infrared Spectrometer / Photometer. Main target: to map the geometry of the Universe and better understand the mysterious dark matter and dark energy.

ISRU (In Situ Resource Utilization)

Demonstrator Payload for extraction of Oxygen from lunar regolith on lunar surface. OHB Italia, involved in ISRU developments since 2009, is working on ESA projects relevant for the extraction of oxygen from the regolith minerals and is performing important system studies and technology research.

IXPE

The Imaging X-ray Polarimetry Explorer exploits the polarization state of light from astrophysical sources to provide insight into our understanding of X-ray production in objects such as neutron stars and pulsar wind nebulae, as well as stellar and supermassive black holes.

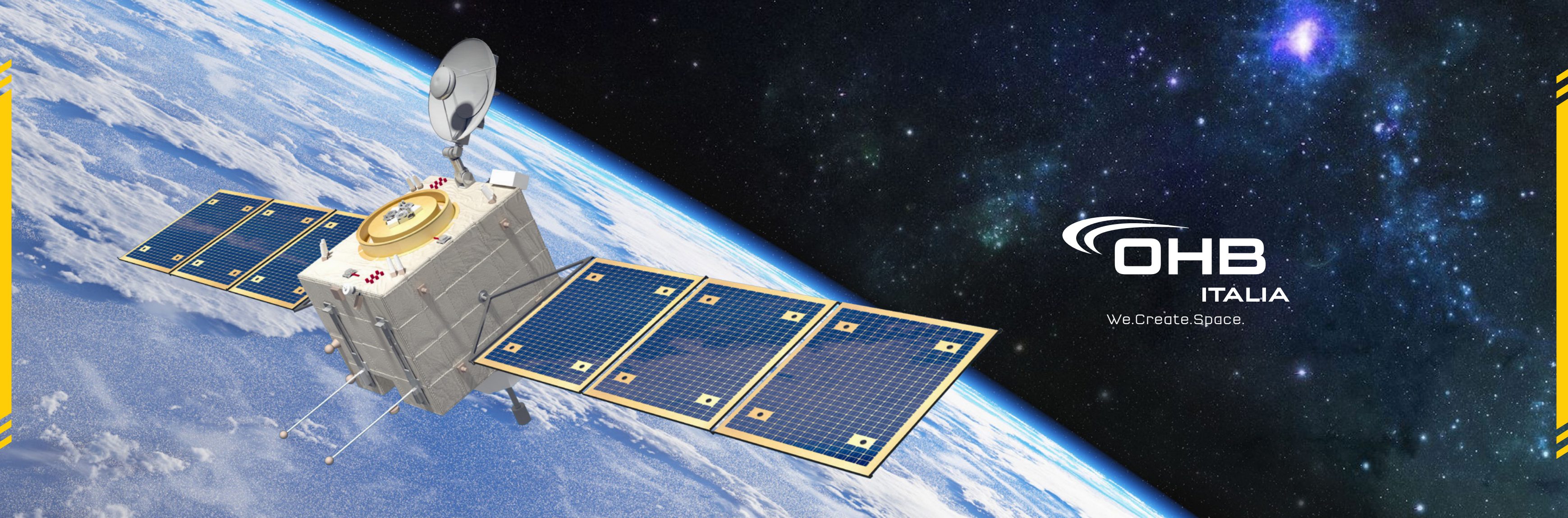


Facilities

- Integration Clean Rooms
- Manufacturing Clean Room
- Mechanisms Laboratory
- Material Laboratory
- Metrology Laboratory
- Thermal Vacuum Laboratory
- EMC Test Laboratory

Integration Clean Rooms





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