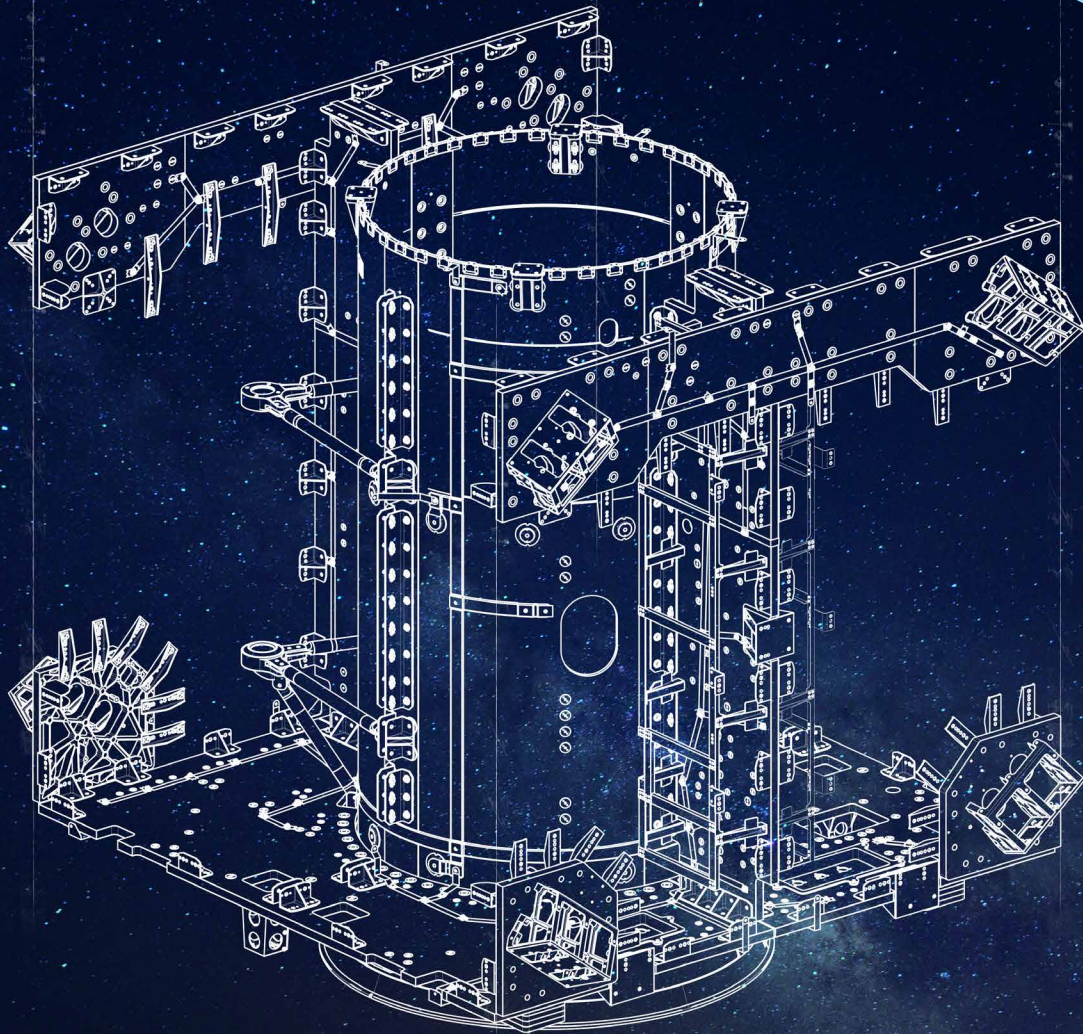


We. Create. Space.



# STRUCTURES

Design. Analysis. Manufacturing. Testing.

# INTRODUCING OHB Czechspace

Situated in **Brno, Czech Republic**, OHB Czechspace is a member of the European Space and Technology Group OHB SE. Our success is based on a **team of experienced engineers** with a passion for innovation.

With a customer base of space agencies and companies from the space industry, our focus is to supply **spacecraft structures**, and mechanical ground support equipment according to the customer's specifications. We perform the development, design, verification, procurement, test conduction and belonging product assurance tasks.

We have been awarded various contracts within **European Space Agency** programmes, including the planetary defence mission **Hera**, the **PLATO** space exploration mission, and Copernicus **CO2M** Earth observation mission, which are performed with full customer satisfaction.

## ENGINEERING SERVICES

### Structural Analysis

Generation of FE Models

Static Analysis

Dynamic Analysis

Stress Verification

Thermo-Elastic Analysis

Deformation Analysis

Stability Analysis

Design Optimization

Sandwich Panel Insert Verification

Bolt Verification

Weld Analysis

Fracture Mechanics and Fatigue Analysis

Generation of Condensed Models

Model Correlation with Test Data

Printed Circuit Board Analysis

### Mechanical Design

CAD/Step file Generation

IRD Generation

Drawing Generation

Material Selection

Mass Estimation

Selection of Standard Parts

Definition of Electrical Grounding

### Design & Procurement (Alu & CFRP)

Central Tube

Sandwich Panels

CFRP Laminate Designs

Metallic Items

Mechanical Ground Support Equipment

Strut Assembly Design

Satellite Platforms

### Mechanical Tests Conductions

Modal testing

Random Vibration

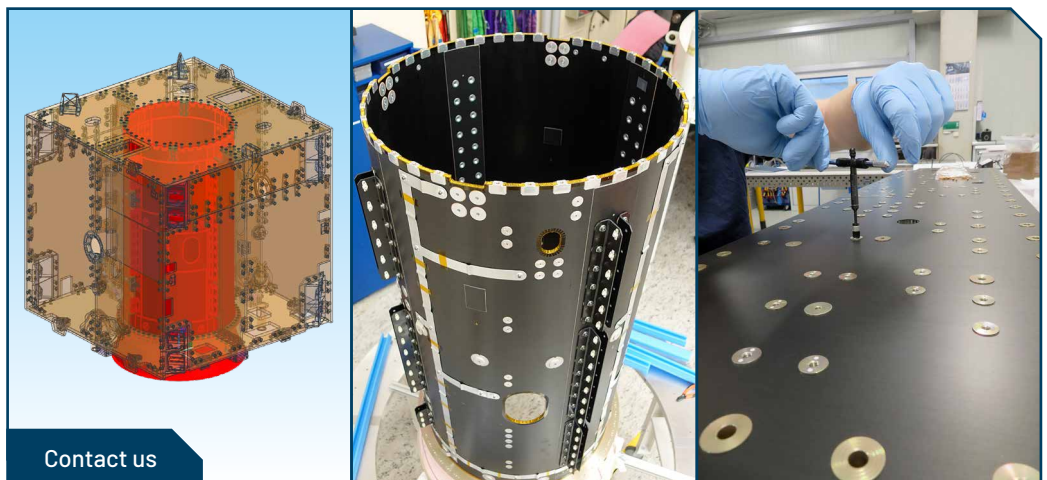
Acoustic Vibration

Sine Burst

Static

Shock

Microvibration



Contact us

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