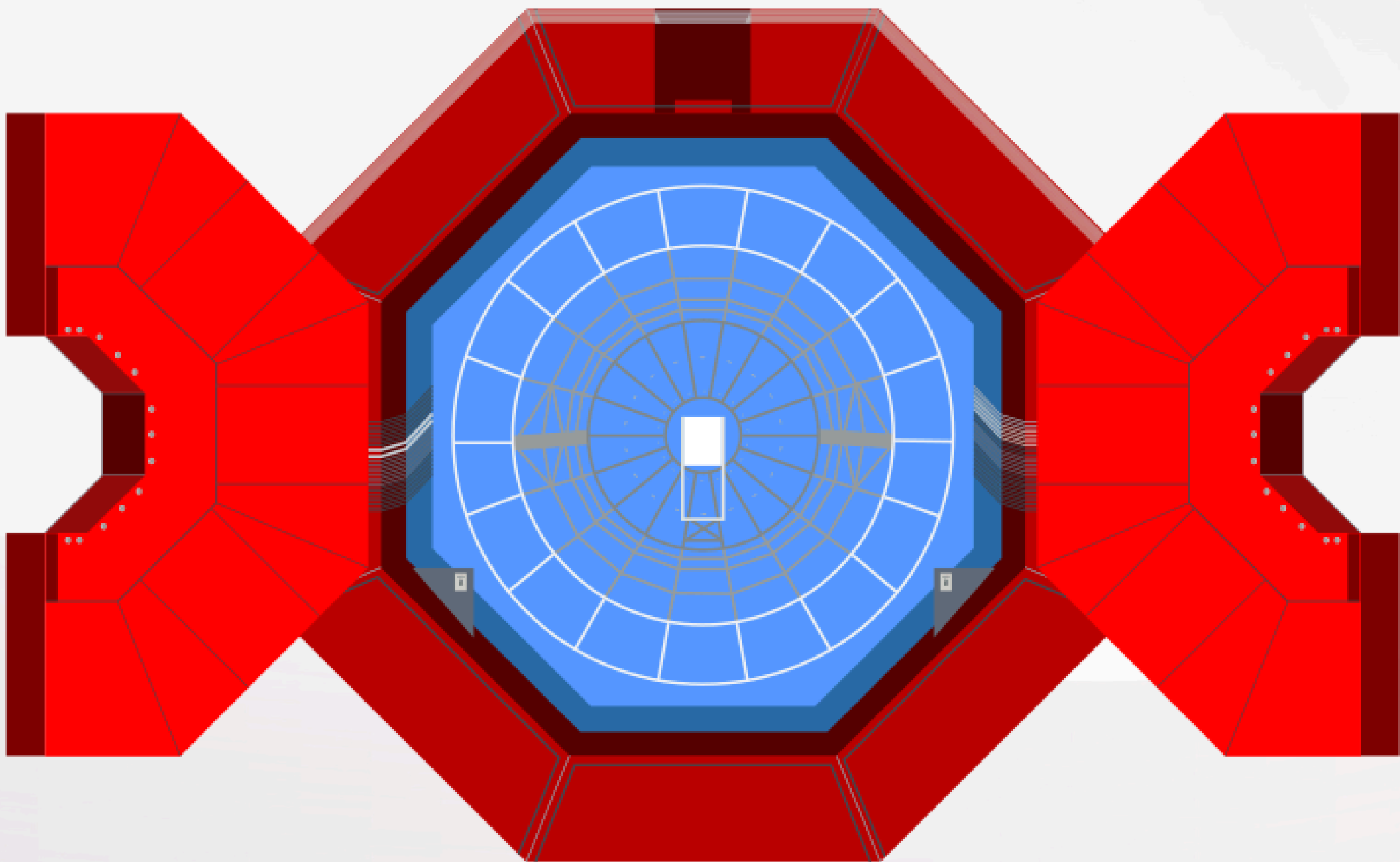


# WHAT DOES CERN BUY?



# CIVIL ENGINEERING

- Construction
- Renovation of buildings
- Metallic structures
- Earthworks
- Roads
- Cooling and ventilation
- ...





## **ELECTRICAL ENGINEERING AND MAGNETS**

- **Switchboards and switchgear**
- **Transformers**
- **Cables**
- **Automation**
- **Power supplies**
- **Magnets**
- ...



# INFORMATION TECHNOLOGY

- Computing systems
- Servers
- Software
- Network equipment
- Personal computer equipment
- ...







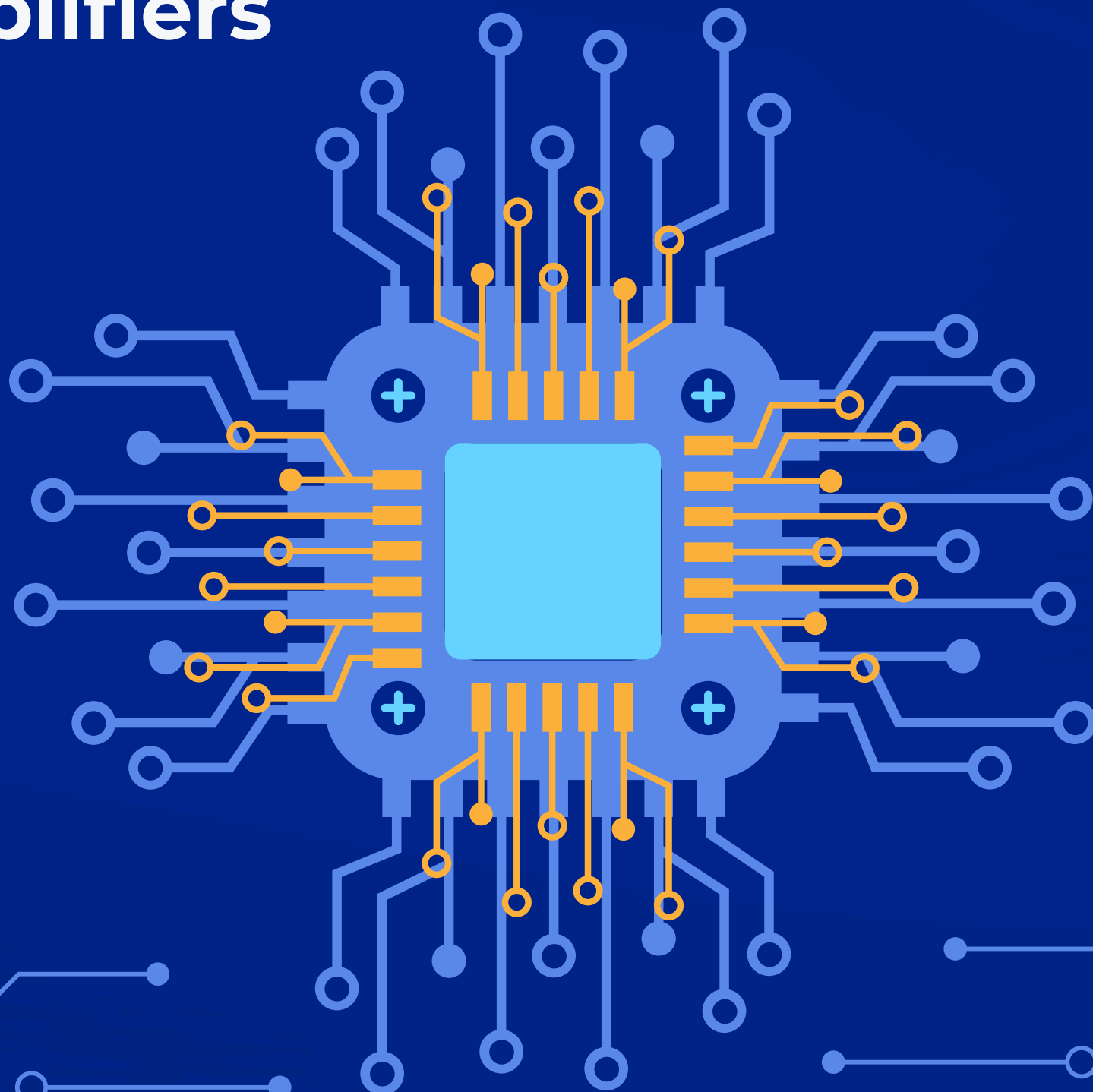
# **MECHANICAL ENGINEERING AND RAW MATERIALS**

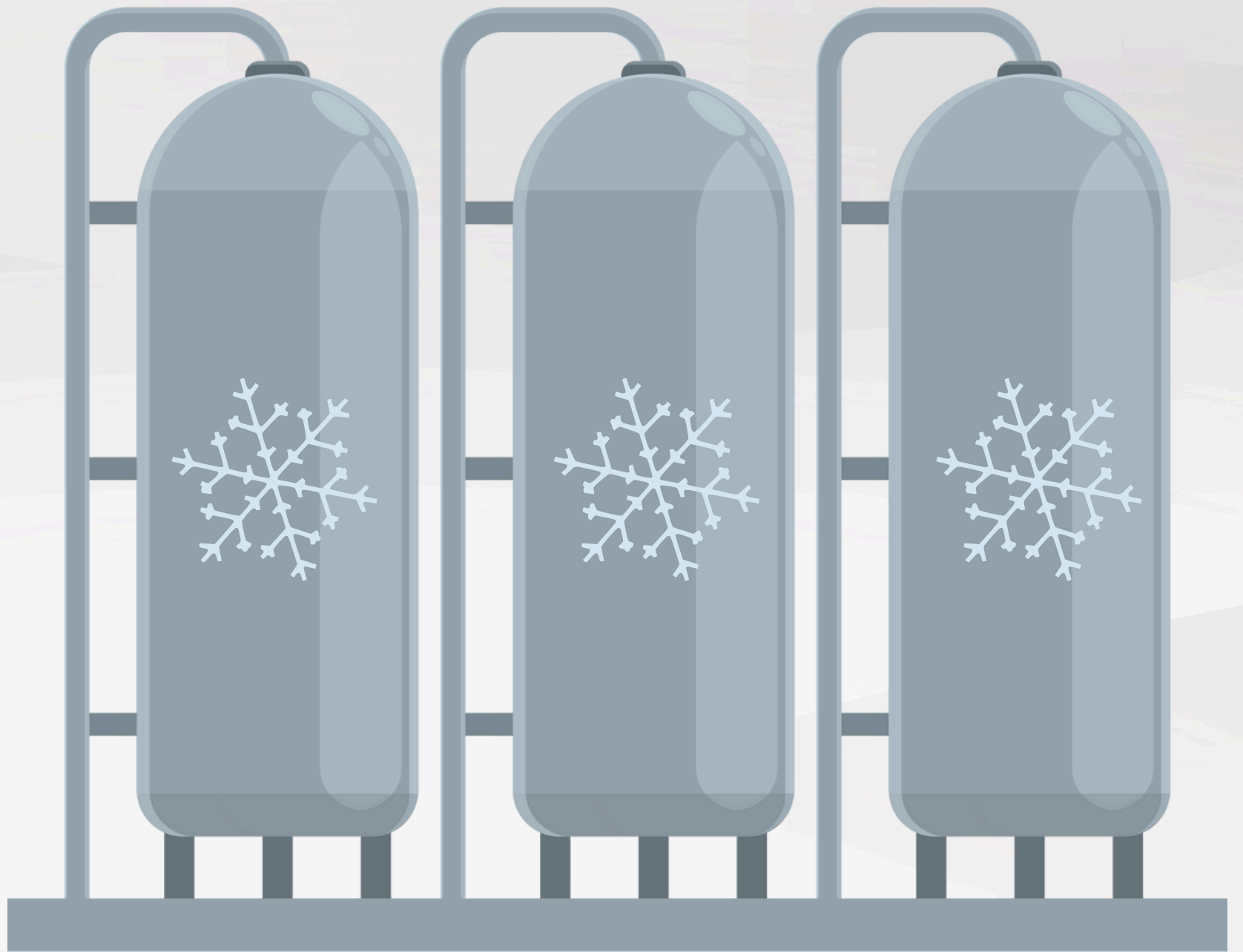
- **Machining**
- **Sheet metal work and arc welding**
- **Special fabrication techniques**
- **Raw materials, finished products**
- **Offsite engineering and testing**
- ...



# ELECTRONICS AND RADIOFREQUENCY

- **Electronic components**
- **PCBs and assembled boards**
- **LV and HV power supplies**
- **Radiofrequency systems**
- **Amplifiers**
- ...





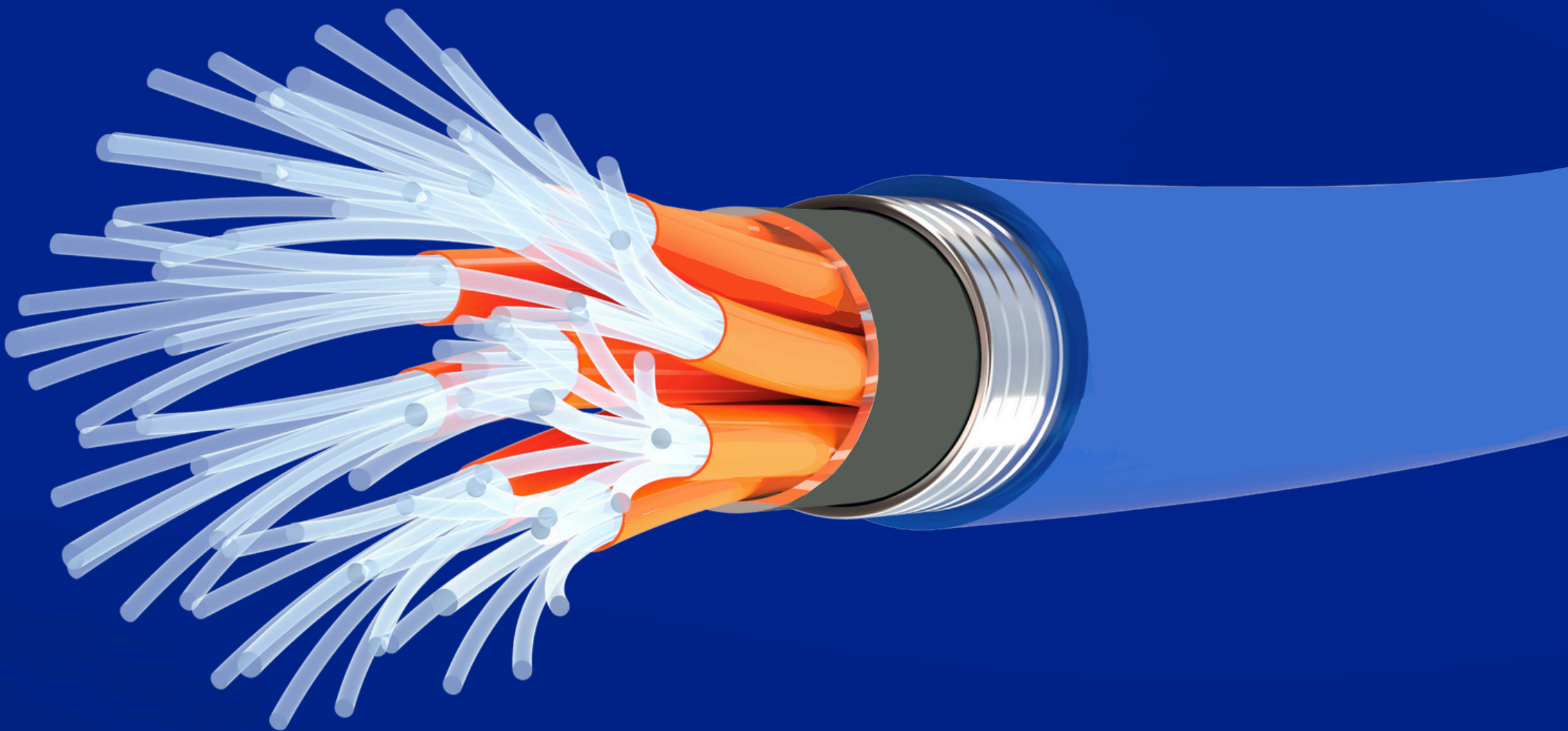
# VACUUM AND LOW TEMPERATURE

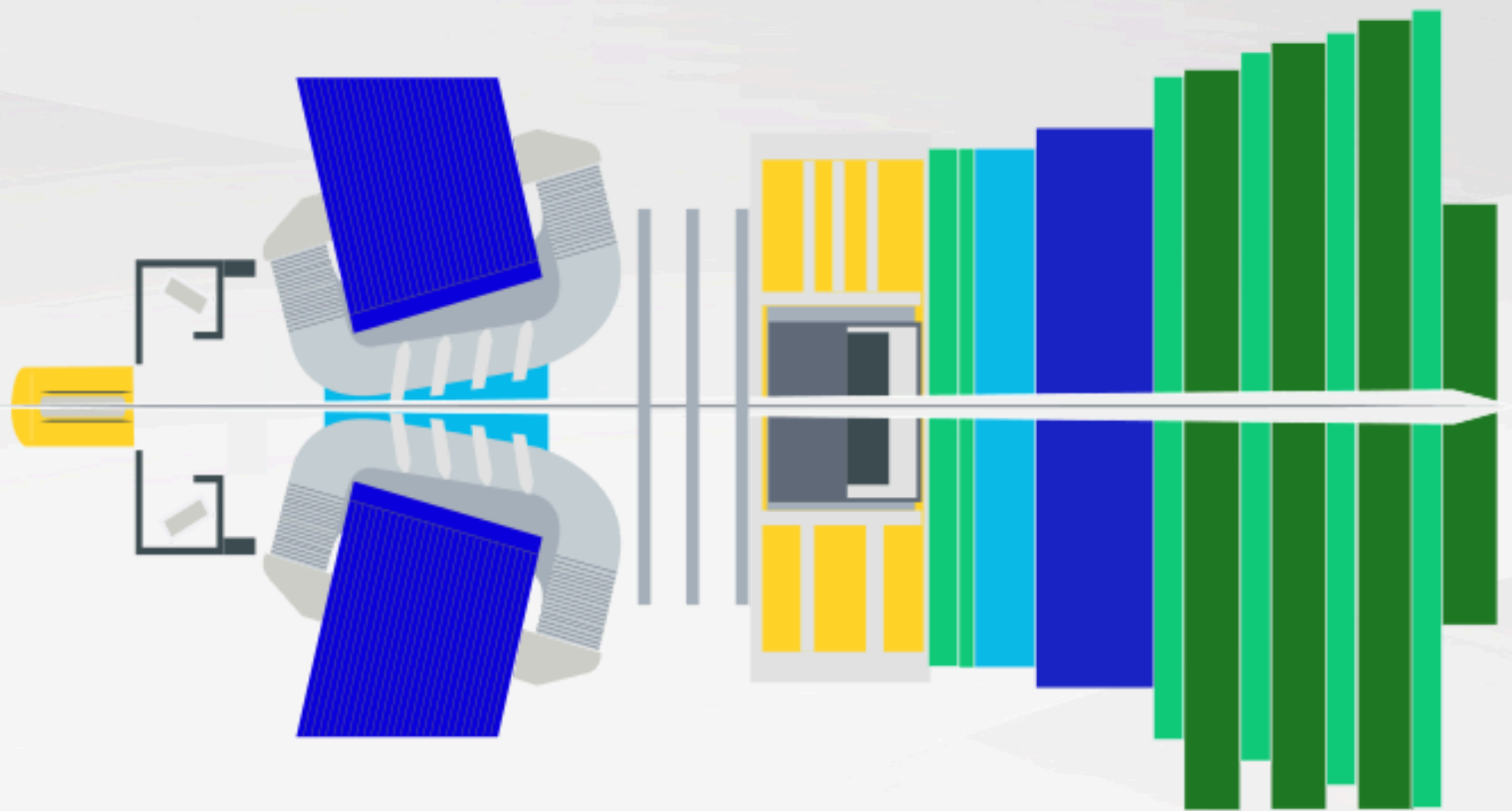
- Vacuum chambers
- Refrigeration equipment
- Gas handling equipment
- Gas control systems
- Leak detectors
- ...



# OPTICS AND PHOTONICS

- Lasers
- Photoelectric components
- Fibre optics
- Microscopes
- Optical treatment of components
- ...





# PARTICLE AND PHOTON DETECTORS

- **Active sensors**
- **Scintillators and fibres**
- **Photon detectors**
- **Calorimetry**
- **Cherenkov detectors**
- ...





# GASES, CHEMICALS, RADIATION AND WASTE EQUIPMENT

- Gases and fuel
- Radiation equipment
- Waste disposal equipment
- Chemicals and related equipment
- Cherenkov detectors
- ...





# HEALTH, SAFETY AND ENVIRONMENT

- **Radiation safety and protection**
- **Fire brigade equipment**
- **Detection, alarms and evacuation**
- **Personal protective equipment**
- **Access and security equipment**
- ...



# TRANSPORT, HANDLING AND VEHICLES

- Industrial vehicles
- Special handling machines
- Lifts
- Crane rails
- Packaging for transport
- ...





# OFFICE SUPPLY, FURNITURE, COMMUNICATION AND TRAINING

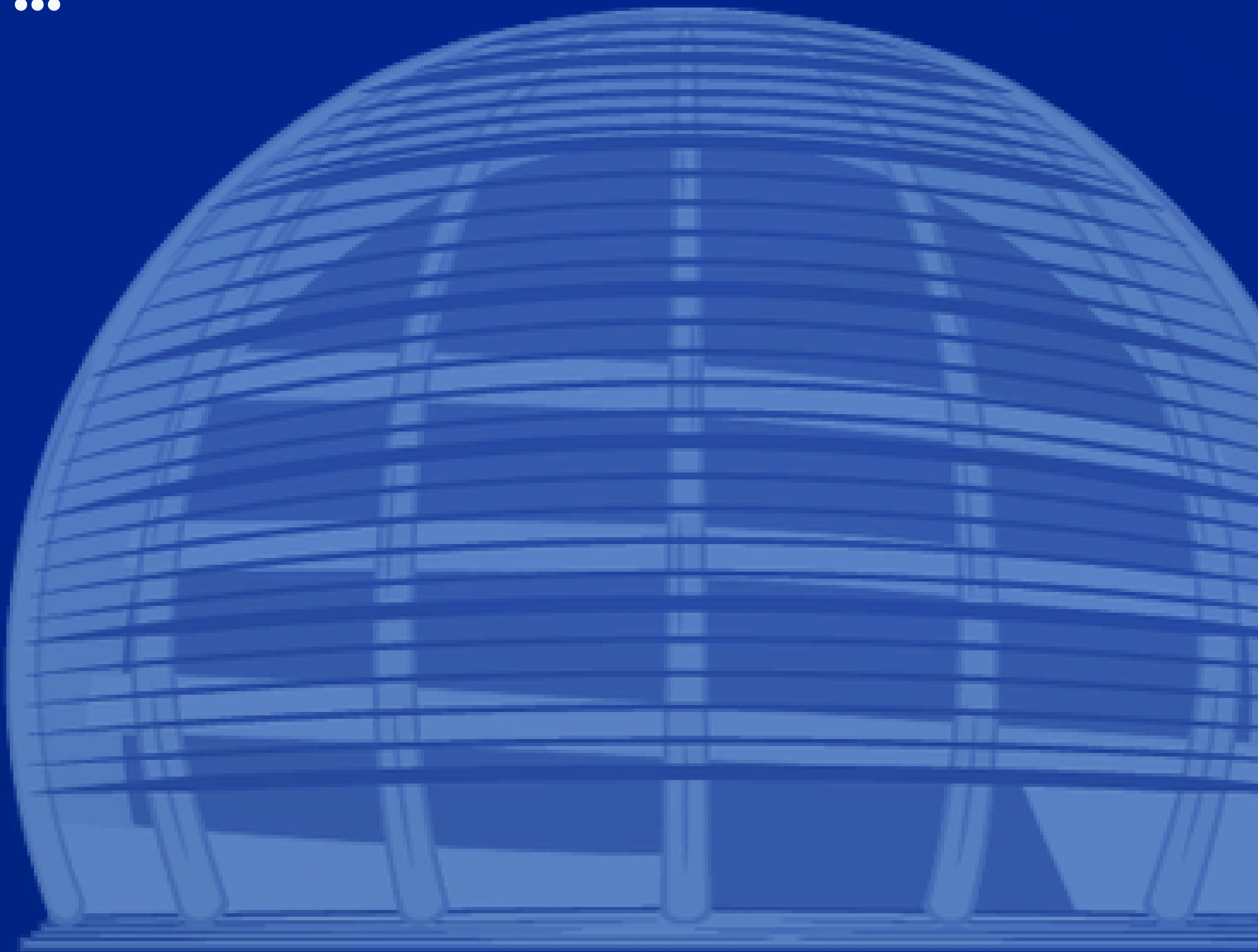
- Office furniture
- Stationery
- Exhibition material
- Audiovisual services
- Training
- ...





# SERVICES ON THE CERN SITE

- **Facility management**
- **Maintenance and operation**
- **IT services**
- **Inspection and tests**
- **Waste management**
- ...







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