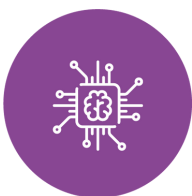
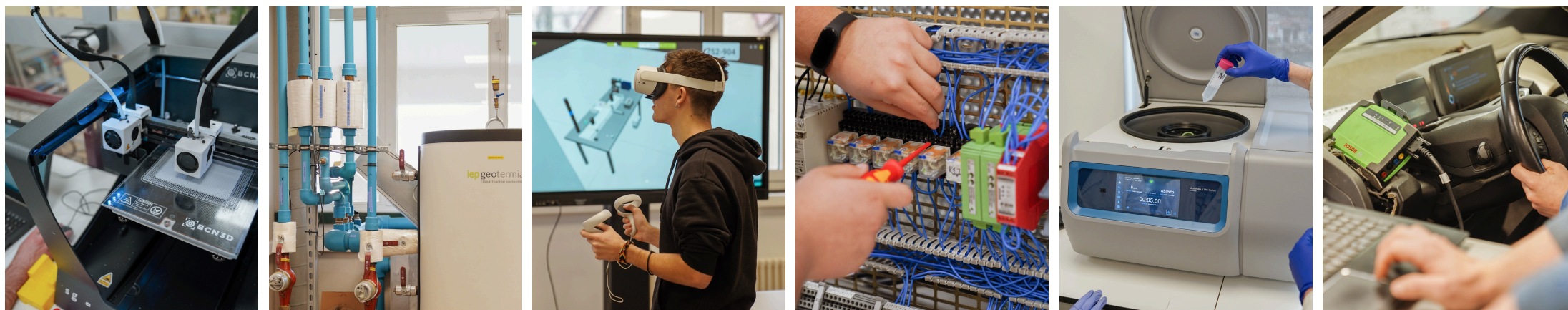


APPLIED INNOVATION PROJECTS FOR THE SMALL AND MEDIUM SIZED COMPANIES



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MOBILITY

- Diagnosis in mobility and sustainable transportation.
- Application of alternative energies in the automotive industry.
- Process improvement in electric and hybrid vehicles and ADAS systems.

Equipment:

- Motorcycle and car simulator
- Hydrogenerator
- Dyno and brake tester
- Paint booths
- Diagnostic equipment (Bosch, Texa, Hella Guttman, Autel)
- MIG-MAG, TIG, MIG-brazing welding equipment

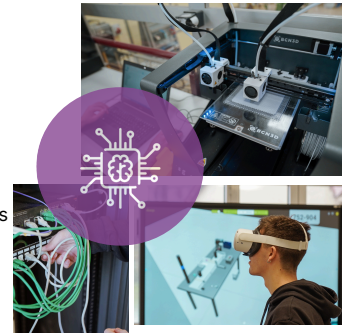


DIGITALIZATION AND CONNECTIVITY

- Development and manufacturing of electronic prototypes with IoT connectivity.
- Integration of digital technologies for the optimization of technological products.
- Automation of systems through PLCs, artificial vision and IoT sensorization.
- IT/OT network segmentation with industrial cybersecurity equipment.

Equipment:

- LPKF milling machine for PCBs
- 3D printers
- Artificial displays
- Cybersecurity equipment
- PLCs, servo motors, IoT sensors



CHEMISTRY, BIOTECHNOLOGY AND HEALTH

- Support in chemical, bio- and microbiological analysis of materials and pharmaceutical processes.
- Development of solutions in the chemical, biotechnological and health industries.

Equipment:

- Chemical analysis equipment (FTIR, spectrophotometers, chromatography, NIR, Kjeldahl, qPCR, tangential filtration)
- Processing equipment (freeze dryer, mixer, granulator, bioreactor, bioprinter, injector, extruder, sheet former)
- Testing equipment (universal machine, DSC, TGA, rheometers, etc.) Testing equipment (universal machine, DSC, TGA, rheometers))



ENERGY AND ENVIRONMENT

- Application of renewable energies in DHW and heating installations.
- Application of industrial air conditioning and refrigeration systems.



Equipment:

- Solar thermal, aerothermal and geothermal systems
- UTA systems (air conditioning) and industrial refrigeration with natural refrigerants (CO₂, Ammonia)
- Flammable refrigerant detectors
- Thermal imaging camera
- Lokring technology

INDUSTRY 4.0 AND ADVANCED MANUFACTURING

- Automation of production processes with advanced technologies.
- Optimization of industrial processes through collaborative robotics and artificial vision.
- Support in preventive maintenance techniques.



Equipment:

- ABB and UR robots
- CNC plasma
- Thermographic camera, ultrasound, vibration sensors
- Welding simulators LINCOLN ELECTRIC
- ABB welding robot

FOOD INDUSTRY

- Development of solutions for food safety and preservation.
- Innovation in food production processes with sustainability and quality criteria.



Equipment:

- Food processing and preservation equipment
- Packaging systems
- Food analysis and quality control equipment