CIT UPC

CENTRE D'INNOVACIÓ
I TECNOLOGIA

UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

INTERNET OF THINGS

RESEARCH, DEVELOPMENT & INNOVATION AT THE UNIVERSITAT POLITÈCNICA DE CATALUNYA (UPC)

The Universitat Politècnica de Catalunya (UPC) specializes in the areas of architecture, science and engineering, including the internet of things. In this field, the main focus areas are:

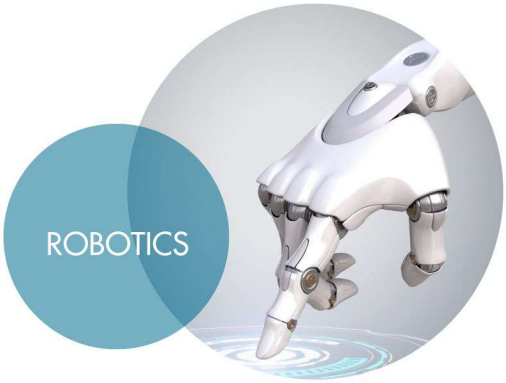
- Sensors
- Connectivity
- Data science

As a result of the UPC's recognized research track record in its areas of specialization, we can offer a wide range of services:

- R&D technology transfer projects
- Consortium for national and H2020 projects
- Patents
- Technology assessment
- Specialized facilities

The UPC is the leading university in Spain in volume of research and technology transfer to companies, and has become one of the major hubs of knowledge in Southern Europe.

TECHNOLOGICAL CAPABILITIES



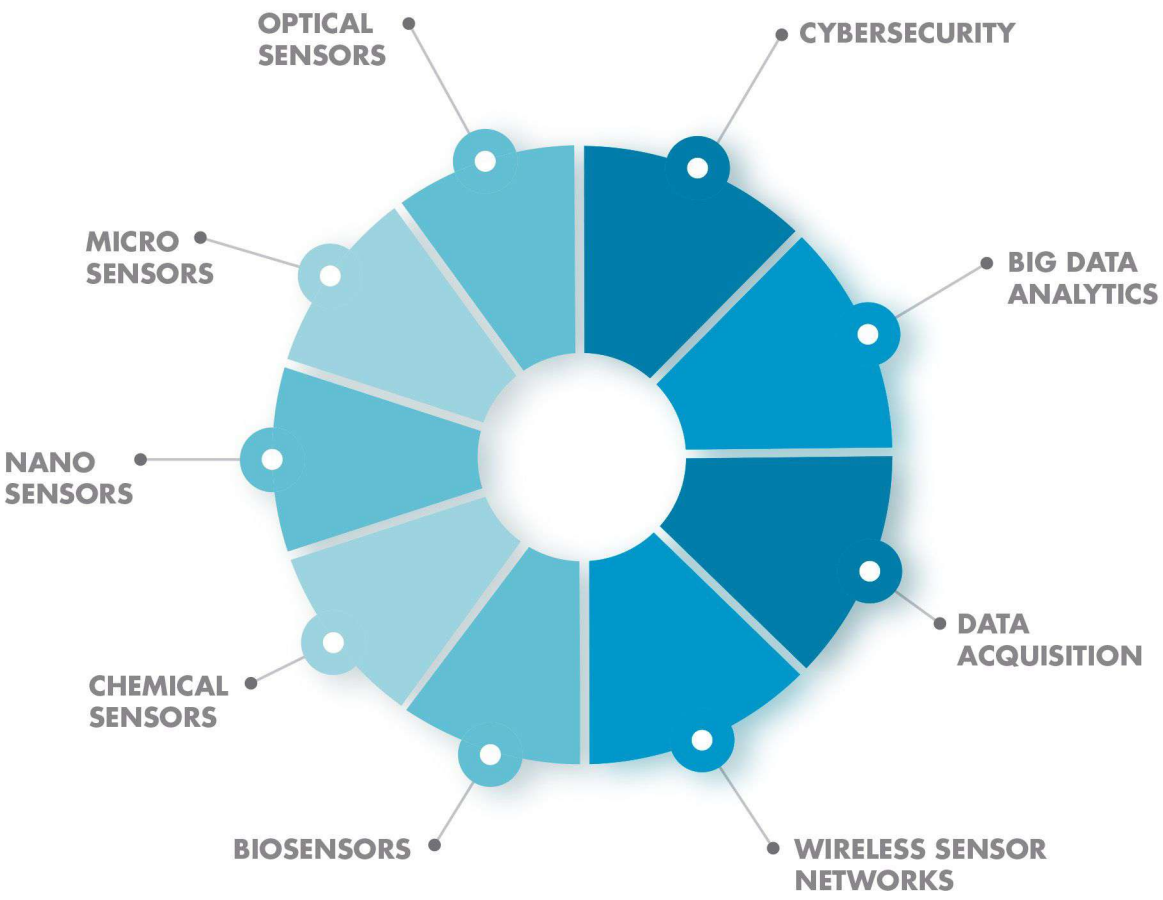
SENSORS

MANUFACTURING

- Industrial automation
- Computer vision for quality control
- Additive manufacturing

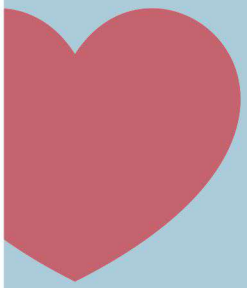
MOBILITY

- Dynamic
- Public T
- New mo concepts
- Traffic s

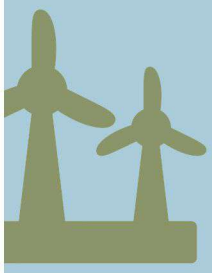


c Routing
Transport
obility
ts
simulation

HEALTHCARE



- Digital Health
- Biomechanics
- Patient Care
- Remote diagnostic
- Sport technologies
- Assisted living



CONNECTIVITY & DATA SCIENCE

CONSUMER ELECTRONICS

AUTOMOTIVE

ENERGY

- Energy management
- Energy storage
- Smart grids
- Modelling & simulation

INDUSTRY 4.0

- Industrial communication
- HMI
- Collaborative robotics
- Logistics
- Cybersecurity

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