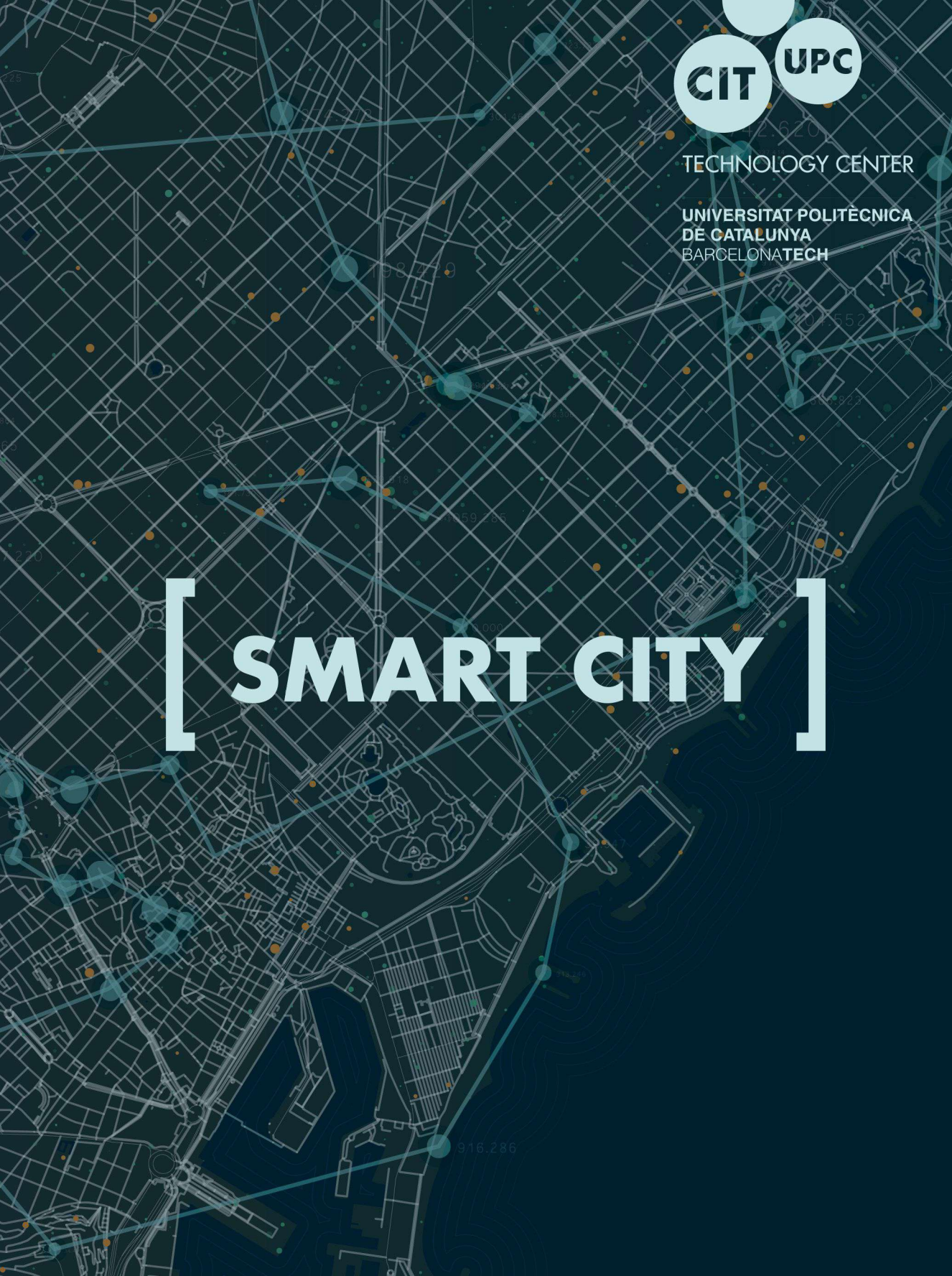
CIT
UPC
TECHNOLOGY CENTER
UNIVERSITAT POLITÈCNICA
DE CATALUNYA
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RESEARCH, DEVELOPMENT & INNOVATION AT THE UNIVERSITAT POLITÈCNICA DE CATALUNYA (UPC)

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

- Enabling Technologies
- Energy & Environment
- Mobility
- Living & Inclusion
- Economy
- Infrastructure & Buildings
- Safety & Security

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 Horizon Europe 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

Enabling Technologies

- Artificial Intelligence
- Internet of Things
- 5G & WIFI6 (6G)
- Cloud Computing
- VR,AR & MR
- Digital Twins
- Data Science

Energy & Environment

- New Energy Models
- Food & Agriculture
- Climate Emergency
- CleanTech
- Waste & Water Management
- Green Spaces
- Energy Management
- Smart Grids

Mobility

- Micro & Shared
- Future of Mobility
- Mobility Governance
- Intelligent Mobility
- Transport Networks
- Mobility as a Service
- Integrated Mobility Plans
- Seamless Transportation

Living & Inclusion

- Digital, Social & Gender Inclusion
- Health
- Cities for All
- Education

Economy

- Circular Economy
- Innovation Ecosystems
- Industry 4.0
- Talent Attraction

Infrastructure & Buildings

- Smart Buildings
- Sustainable Construction
- Innovative Materials
- Critical Infrastructures
- Urban Planning

Safety & Security

- Cybersecurity
- City Ethics & Privacy
- Urban Safety
- Data Security
- Digital Rights
- Risk Predictions and Emergency Response

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