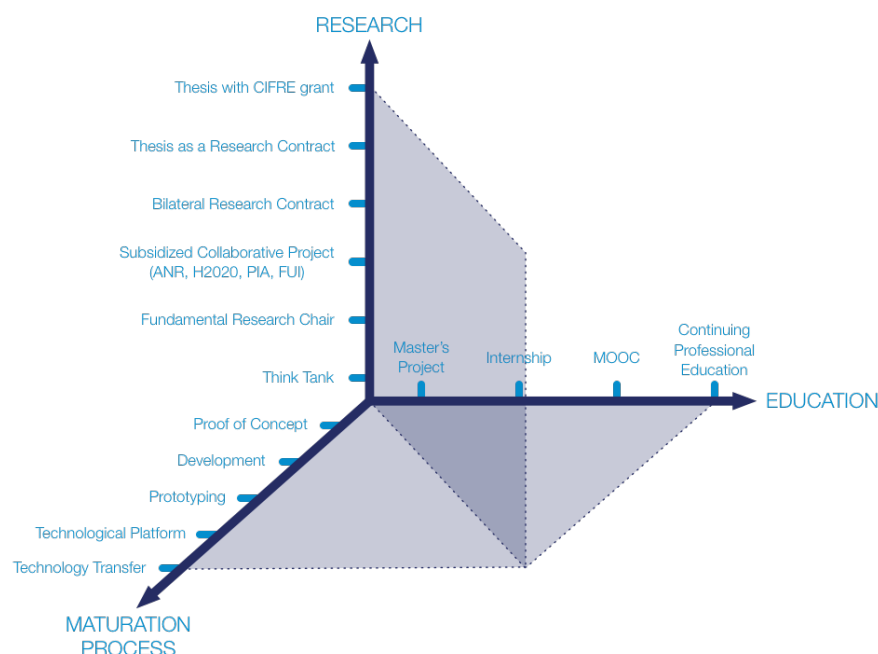**INSTITUT CARNOT**
Télécom & Société numérique

The Télécom & Société Numérique Carnot Institute is the first Carnot Institute specializing in digital science and technology at national level. It offers cutting-edge research and integrated solutions to complex technological issues raised by transformations in the French production sector. Thanks to its research teams and technological platforms, the Télécom & Société Numérique Carnot Institute works with companies of all sizes on the technical, economic and social implications of digital transition.

www.carnot-tsn.fr

FROM RESEARCH TO INTEGRATION: TAILOR-MADE DIGITAL INNOVATIONS

A threefold offering

Thanks to its unique positioning in the French higher education and research system, the Télécom & Société Numérique Carnot Institute offers a tailor-made service combining research, technological maturation and training. These three foundations are essential in meeting the needs of companies and supporting them throughout the cycle of defining and implementing innovation.

RESEARCH

Thesis with CIFRE grant
Thesis as a Research Contract
Bilateral Research Contract
Subsidized Collaborative Project (ANR, H2020, PIA, FUI)
Fundamental Research Chair
Think Tank

Master's Project
Internship
MOOC
Continuing Professional Education

EDUCATION

Proof of Concept
Development
Prototyping
Technological Platform
Technology Transfer

MATURATION PROCESS

Target markets:

- **Electronic industries and digital infrastructures**
- **Software tools**
- **Digital uses and media**
- **Health technologies**
- **Manufacturing**
- **Aeronautics and space**
- **Energy systems**
- **Environment**
- **Automobiles and mobility**
- **Defense**

Support for anything, anywhere

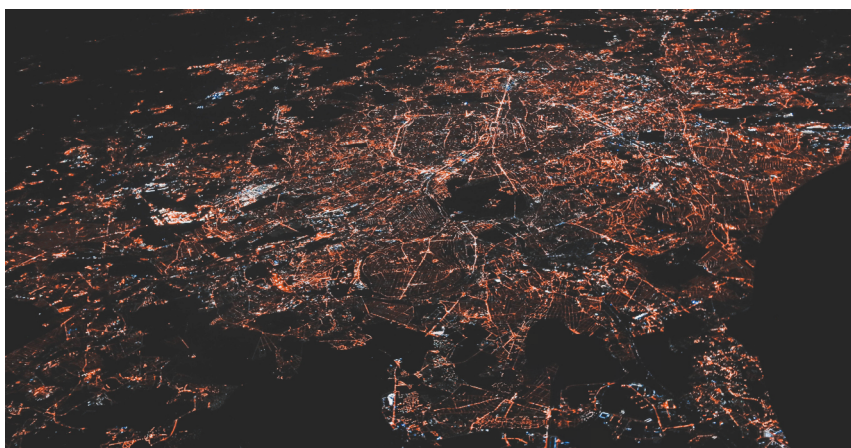As well as its ability to intervene at all levels of the TRL spectrum, the Télécom & Société Numérique Carnot Institute has a wide range of academic expertise. This multidisciplinary approach makes it possible to respond both to the most technical innovation issues and to the ways that new technologies are adopted by users. In addition, the institute has a presence throughout metropolitan France, ensuring a solid anchoring in local innovation dynamics and strong partnership relationships.

Examples of platforms:

➤ TeraLab: artificial intelligence and data analysis

➤ Mimento: micronic and submicronic technology for the high-tech industry

➤ Omni: studying the impact of digital technology on society

➤ Vigisat: satellite monitoring and environmental protection

➤ OpenAirInterface: defining and testing 5G technologies

➤ Arago: optical technologies for telecommunications and healthcare

Our support skills:

➤ Defining a strategic innovation roadmap

➤ Scientific and administrative follow-up of project engineering

➤ Integrating research into the production process

➤ Financial optimization of the entire innovation project

Key figures

Permanent staff
(full-time equivalent): 1700
PhD Students: 974

Partnership incomes
with industry: €83,8M
Global budget: €104M

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