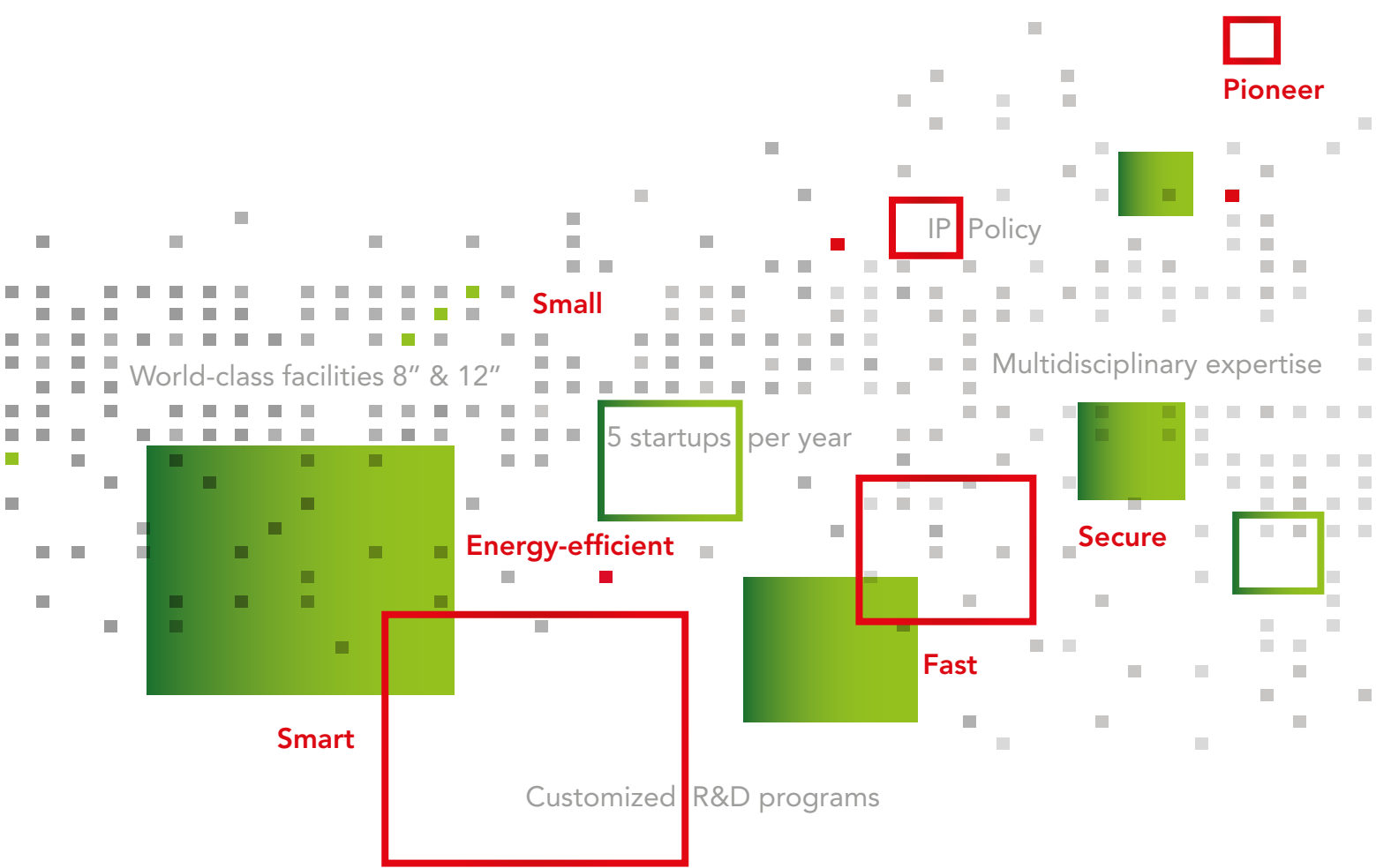


leti

cea tech

TECHNOLOGY
RESEARCH
INSTITUTE





TECHNOLOGY RESEARCH INSTITUTE

COMMITTED TO INNOVATION,
LETI'S TEAMS CREATE **DIFFERENTIATING
SOLUTIONS IN ENERGY-EFFICIENT AND SECURE
MINIATURIZATION TECHNOLOGIES**
FOR THEIR INDUSTRIAL PARTNERS

LETI AT A GLANCE

- Founded in 1967
- Based in France (Grenoble) with offices in USA (Silicon Valley) and Japan (Tokyo)
- 330+ industrial partners
- 1,900 researchers
- 2,760 patents in portfolio
- 60+ startups created
- €315 million budget
- 700 publications each year
- ISO 9001 certified since 2000

Leti is a technology research institute at CEA Tech and a recognized global leader focused on miniaturization technologies enabling energy-efficient and secure solutions. Leti delivers solid expertise, from sensors to data processing and computing solutions. Leti pioneered FDSOI low power platforms for IoT, microsystem technology for low cost multisensors solutions, smart integration for highly connected and cost effective devices.

Leti's mission is to pioneer new technologies, enabling innovative solutions to strengthen Leti's industrial partners competitiveness while creating a better future. It tackles most current global issues such as the future of industry, clean and safe energies, health and wellness, sustainable transport,

information and communication technologies, space exploration and safety & security.

For more than 50 years, the institute has built long-term relationships with its partners: global industrial companies, SMEs and startups. It tailors innovative and differentiating solutions that create value. Leti and its partners work together through bilateral projects, joint laboratories and collaborative research programs. Leti actively contributes to the creation of startups through its startup program.

Leti has signed partnerships with major research technology organizations and academic institutions. It is a member of the Carnot Institutes network*.

*Carnot Institutes network: French network of 34 institutes serving innovation in industry.



WORLD-CLASS FACILITIES

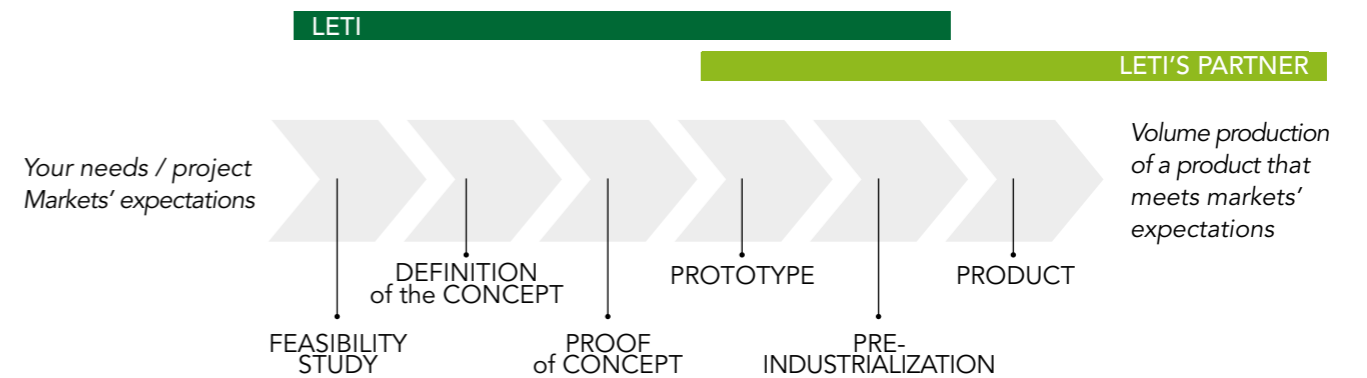
- 91,500 sq. ft. of cleanroom space
- 12" Nanoelectronics Platform
- 8" & 12" Microsystems Platform
- Integrated Circuits Design Platform
- Embedded Systems Design Platform
- Nanocharacterization Platform
- Photonics Platform
- Sensor Networks & Connectivity Platform
- Cybersecurity Platform
- Nano-biotechnology Platform
- Clinatec Platform

WHY CHOOSE LETI?

TO BENEFIT FROM:

- A large range of world-class pre-industrialization facilities
- High level multidisciplinary expertise and services
- A Large portfolio of background IPs
- Lower risks in developing breakthrough solutions
- Customized innovation projects
- A clear intellectual property policy to provide competitive advantage
- A complete ecosystem: startups, industrial partners along the whole value chain
- Coordination of world-class European projects

HOW TO INNOVATE WITH LETI?

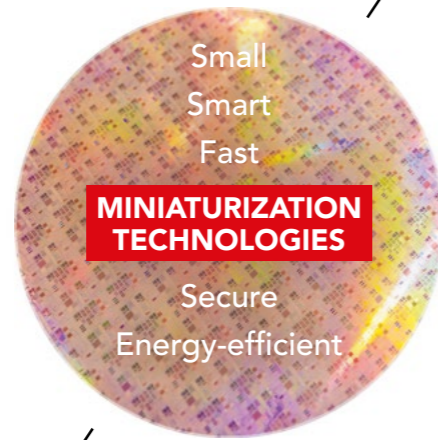




LETI, PIONEER

TODAY
TECHNOLOGY SOLUTIONS

- Sensors
- Memory & Computing
- Cybersecurity
- Wireless Communication & Networks
- Power Electronics
- Image & Vision
- Photonics Devices
- Medical Devices



TOMORROW
STRATEGIC AXES

- New Advanced Materials
- The Virtues of Photons
- Human Health
- Power Efficiency
- Complex Systems in the Digital World
- Artificial Intelligence

LETI AT THE CORE OF MANY APPLICATIONS

- Internet of Things
- Advanced Computing
- Connected Health & Wellness
- Transport
- Security
- Telecom
- Defense & Space
- Smart Manufacturing
- Smart Cities
- Energy
- Agriculture, Food Industry & Environment



LETI, PIONEER IN

- **Wafer bonding**
- **SOI**: first to develop and transfer RF SOI and FDSOI
- **Wafer-level packaging**
- **Resistive memories**
- **Photonics on Silicon**: first 60 GHz transceiver
- **Sensors**: 9 M&NEMS axis combo
- **3D CoolCube™**: first to demonstrate feasibility of 3D monolithic integration
- **3D Imaging**
- **Microdisplays**
- **Silicon electronics computing**





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Post-doctoral opportunities: www.leti-cea.com (Education > PostDocs)

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Commissariat à l'énergie atomique et aux énergies alternatives

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