



## RESEARCH INSTITUTE

Creator of Solutions,  
to Address Climate, Energy & Environmental Issues



**Grenoble**  
GIANT Campus

WEBSITE : [www.liten.cea.fr](http://www.liten.cea.fr)

**Chambéry**  
INES Campus

CONTACT : [info.liten@cea.fr](mailto:info.liten@cea.fr)

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## GLOBAL PRESENTATION

CEA-Liten is a member of « Institut Carnot Énergies du Futur ». Based in CEA Grenoble and INES (Chambéry) centers, It is dedicated to the energy transition. Its activities focus on several key areas: solar energy, smart grid management, batteries storage and hydrogen in order to improve energy efficiency and circular economy approach. CEA-Liten covers a wide range of applications in energy production and distribution, transportation, industrial processes, and environment markets.

## STRATEGIC RESEARCH AXES



### RENEWABLE ENERGY PRODUCTION

- High Performance PV
- PV Everywhere



### SYSTEMS, NETWORKS AND ENERGY EFFICIENCY

- Energy systems and networks
- Thermal energy management
- Power electronics



### STORAGE AND FLEXIBILITY SOLUTIONS

- Batteries
- Hydrogen vector



### CIRCULAR ECONOMY

- Additive manufacturing and net shape processes
- Chemistry and recycling
- Structural electronics
- Carbon circular economy

## 2020 KEY FIGURES

Liten possesses **thirteen technology platforms**, a portfolio of more than **1,750 patents**, and the knowledge of more than 1,000 scientists, technicians, and support staff.



1000  
EMPLOYEES



ANNUAL OPERATING  
BUDGET:  
€140 MILLION

# CEA LITEN, YOUR PRIVILEGED R&D PARTNER

## INNOVATION THAT DRIVES BUSINESS GROWTH

- Liten has built up **deep knowledge of many industries**, from transportation to energy and the environment, both in France and internationally.
- Our **integrated approach**, from component to system, positions us to focus on your area of interest while ensuring that the technology we develop for you fits seamlessly into the overall value chain.

## SECURE AND LEVERAGE YOUR R&D

- Liten guarantees the **confidentiality** of your R&D projects.
- **Exclusive licenses** to research results within the scope of the target product or application are possible.
- **Market research and benchmark survey** before starting R&D.

## SAVE TIME

- **Speed up technology development and scaleup** by getting immediate access to Liten's know-how and to a broad portfolio of patents so that you can overcome the technological hurdles to growth.
- **Transform ideas into actual innovations** by building proof-of-concept and functional prototypes.
- **Boost your technological capabilities rapidly** when Liten transfers know-how and tools to your organization.



1 768  
PATENTS IN  
THE PORTFOLIO



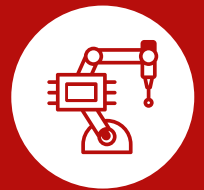
MORE THAN 200  
INDUSTRIAL R&D  
PARTNERS



200  
PUBLICATIONS  
PER YEAR



150 PHD  
STUDENTS AND  
POST-DOCS



13  
PLATFORMS



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