



cea

liten

FRENCH RESEARCH INSTITUTE



info.liten@cea.fr
www.liten.cea.fr



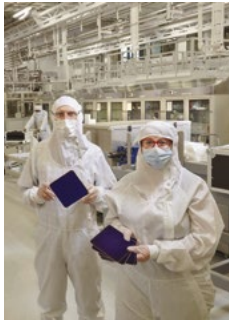
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Building
today
the society
of tomorrow

Global Presentation

The French Alternative Energies and Atomic Energy Commission (CEA) is a key player in research, in the service of the State, economy and citizens. CEA provides concrete solutions to their needs in four main areas: energy transition, digital transition, technologies for the medicine of the future, defence and security.

CEA-Liten is a member of « Institut Carnot Énergies du Futur ». Located at CEA Grenoble and INES (Chambéry) centers, it is dedicated to the energy transition. Its activities focus on several key areas: solar energy, network 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 photovoltaics.
- Photovoltaics everywhere.



STORAGE AND FLEXIBILITY SOLUTIONS

- Batteries.
- Hydrogen vector.



SYSTEMS, NETWORKS AND ENERGY EFFICIENCY

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



CIRCULAR ECONOMY

- Eco-innovative materials and processes (Additive manufacturing, Processes and assemblies, Structural electronics).
- Chemistry and recycling.
- Carbon circular economy.

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.

KEY FIGURES 2022

Liten possesses twelve technology platforms, a portfolio of more than 1,900 patents, and the knowledge of more than 1,000 scientists, technicians, and support staff.



1000
employees



160 M€
budget



12
platforms



+ 1900
patents in
the portfolio



+ 200
Industrial
Partners



+ 200
institutional
projects



180
PHD students
and post-docs



200
publications
per year



FIND US:

 www.liten.cea.fr

 info.liten@cea.fr

 LinkedIn

