



CEA CENTRE IN GRENOBLE

Building tomorrow's
society today.



Research & INNOVATION

HEALTH | ENERGY | DIGITAL



CEA – a public research organisation

A leading player in research and innovation, CEA has nine centres in France. Based on fundamental research excellence, CEA is active in four fields closely linked to the major transitions of our time: low-carbon energy, digital technology, technologies for medicine of the future, and defence and security.

CEA is involved in collaboration projects with French, European and international academic and industrial partners. It also uses its expertise for the benefit of public authorities, the economy and citizens to rise to the challenges facing our society.

The CEA centre in Grenoble, a flagship of innovation

CEA's research and innovation centre located at the heart of the Grenoble peninsula is part of a rich scientific, industrial and academic network.

Its institutes bring together top experts to develop and support innovation in the fields of energy, health, information and communication.

▶▶▶ Thanks to **states-of-the-art equipment** and **high-performance technology platforms**, the CEA centre in Grenoble is a leading centre for scientific research.

CEA is France's leading patent-filing research organisation (INPI 2022 ranking) and the N°1 French research organisation filing patents in Europe (EPO 2021 ranking).



Founded in 1956 at the initiative of Louis Néel, winner of the Nobel Prize for Physics, the CEA site in Grenoble has ceased all nuclear-related activities since the last facilities were dismantled.

6 500
people including
4,500 CEA staff

350 000
square metres
of buildings

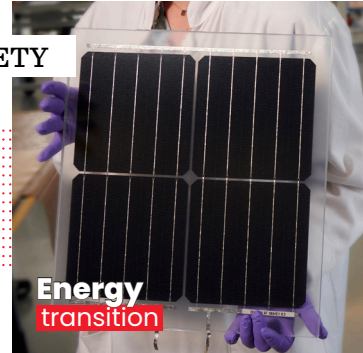
67
hectares on
the Grenoble
peninsula

115
research
laboratories

Applied and fundamental research excellence



3 MAJOR CHALLENGES FOR SOCIETY



Drawing on scientific expertise to **imagine innovative solutions** and **transfer them to industry and society**.



+40
start-ups
created in
10 years

1500
industrial and research
partners

500
patent filed
each years

1700
scientific
publications
per years

Strategic areas of research

SCIENCE AND TECHNOLOGIES FOR THE DIGITAL WORLD

Digital technology is omnipresent and represents a constantly evolving strategic sector. The CEA centre in Grenoble is committed to innovation, national sovereignty and reducing the environmental footprint of digital technology. >>

Nanotechnologies, microelectronics, quantum physics, artificial intelligence, etc.: the centre's research invents the digital technology of tomorrow while integrating an eco-responsible dimension. The work conducted finds industrial applications in wide-ranging fields including healthcare, transport, security and telecommunications.

SCIENCE AND TECHNOLOGIES FOR HEALTH

By combining fundamental research in biology with cutting-edge technologies, the CEA centre in Grenoble contributes to the advancement of knowledge and the development of solutions to improve health. >>

From nanomedicine to personalised or regenerative medicine; from medical imaging to radiobiology; and from medical devices, pharmaceutical tools and biotechnologies to environmental monitoring systems and the agri-food industry, Healthcare is a core focus of extensive research work. All these skills, combined with outstanding technological facilities, are bringing innovations to the healthcare sector, aiming for the prevention of disease, improved medical diagnosis and more effective patient monitoring and treatment.

SCIENCE AND TECHNOLOGIES FOR ENERGY

To reduce the environmental impact of human activities and meet today's energy challenges, the CEA centre in Grenoble is conducting research into low-carbon energies, including renewable energy. >>

To contribute to France's goal of achieving carbon neutrality by 2050, the centre works on the production, storage, management and conversion of energy. We are studying solutions for the future, in particular solar power, batteries and hydrogen. Energy frugality and efficiency are central themes of our research.



A scientific city & campus for innovation

A flagship of applied research, the CEA centre in Grenoble is a key player in the scientific, industrial and academic network, not only locally, but on a regional and national scale too.



A university and scientific city, Grenoble is rather like a French “Silicon Valley” thanks to the presence of world-class businesses. The CEA site in Grenoble is one of the fathers of the Grenoble ecosystem and plays a key role with its scientific, industrial and academic partners.

In 2005, the CEA centre in Grenoble also created MINATEC, an innovation campus bringing together researchers, students and electronics manufacturers equipped with facilities conducive to collaboration and innovation. In 2008, with seven other partners from the Grenoble scientific peninsula, it participated in founding GIANT, *Grenoble Innovation for Advanced New Technologies*, thereby turning the vision of a world-class innovation campus into reality.

ARC-Nucléart: the heritage workshop-laboratory

For over 50 years, ARC-Nucléart has been internationally renowned for its unique skills in safeguarding cultural heritage. Established on the CEA centre in Grenoble, its purpose is the conservation and restoration of objects made of organic materials (wood, leather, rope, etc.).

www.arc-nucleart.fr

THE CEA CENTRE IN GRENOBLE, A COMMITTED LOCAL STAKEHOLDER

To rise to social and environmental challenges, the CEA site in Grenoble has long been driving a policy of active corporate social responsibility (CSR). It takes measures locally for:

- **Inclusion and integration;**
- **Quality of life;**
- **Autonomy in the workplace;**
- **Sustainable mobility;**
- **Developing technologies for disability.**

It is also committed to providing a high-quality institutional food service with responsible procurement, giving priority to a local and circular economy. With a clear focus on sustainability, the CEA centre in Grenoble constantly improves the energy performance of its facilities. The centre implements an ISO-50001 Energy Management System to increase their energy frugality and efficiency in order to guarantee a greener, more sustainable and socially-responsible future.

500

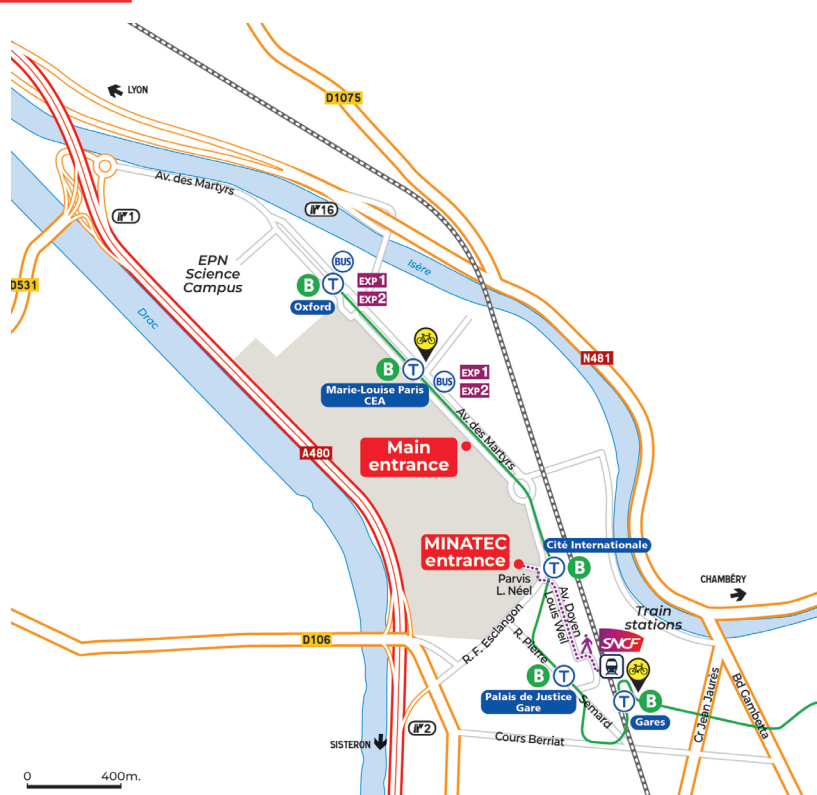
PhD and post-doctoral students choose the CEA centre in Grenoble each year to conduct their research.

150

Work-study students, from schools in a wide range of fields, join the CEA centre in Grenoble every year for their training.



ACCESS map



Find all the news about the CEA centre in Grenoble and our research on our social media accounts:



Contribute to building tomorrow's world today:

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