

CLINATEC: a Biomedical Research Center with a unique medical model

Clinatec is one of the world's leading biomedical research centers focused on three pathological fields: Cancer, Neurodegenerative diseases as Parkinson, Mobility Handicap.

Clinatec is not another neuroscience center. Clinatec was designed to encourage the creation of innovative biomedical devices, all the way through from their conception to their application to patients by using A UNIQUE MEDICAL MODEL THAT SPEEDED UP CREATIVITY AND DEVELOPMENT OF INNOVATIVE THERAPIES for the best benefit of patients:

- a multidisciplinary team of more than 100 doctors, researchers, biologists, engineers, roboticists, mathematicians, scientists, etc. working together within a unique integrated clinical sector at one single location,
- a technical platform endowed with a small hospital and cutting-edge equipment
- a close collaboration with the industrial world,
- a clinic innovation center open to the research teams from the world, providing them with access to specific Clinatec' equipment, skills and expertises.

Program of the visit: Technical platform with a focus on the medical operating room, various Labs with innovative techniques: robotic exoskeleton, magnetoencephalography, etc.



clinatec.fr

EPN (European Photon & Neutron): a Grenoble-based international Science Campus

The EPN science campus is an international science hub in Grenoble, hosting three major European institutes:

- ESRF, the European Synchrotron Radiation Facility
- ILL, the 'Institut Laue-Langevin'
- EMBL, the European Molecular Biology Laboratory
- Along with the IBS, 'Institut de Biologie structurale', and joint partnerships.

The ESRF is the world-leading source of synchrotron X-rays. Supported by 22 partner countries, the ESRF serves ~10 000 scientists each year who study materials and living matter at the atomic and nanometric scale in all fields of research. In 2015, the ESRF has launched the EBS project (Extremely Brilliant Source), that represents an investment of 150M€ over the period 2015-2022, and focuses on the construction of a new revolutionary storage ring. EBS will open a new era in X-ray science.

The ILL is the world's flagship center for neutron science. It provides scientists with a very high flux of neutrons feeding some 40 state-of-the-art instruments, which are constantly developed and upgraded. As a service institute it makes its facilities and expertise available to visiting scientists. Every year, some 1500 researchers visit the ILL and more than 800 experiments selected by a scientific review committee are performed. Research focuses primarily on fundamental science in a variety of fields, from condensed matter physics, chemistry, biology, materials science, to nuclear and particle physics.

Program of the visit: welcome at the EPN Visitor Centre, visit of ESRF and ILL Infrastructures



GIANT: the Grenoble Innovation Campus

GIANT Innovation Campus, which stands for “Grenoble Innovation for Advanced New Technologies”, combines research, higher education and industry in a unique geographic setting in the heart of the Alps.

GIANT’s mission is to overcome the major challenges of tomorrow’s society such as the digital transition, communication, energy, health and ecology. This is possible thanks to the technics and platforms of its eight prestigious founding members: 3 leading academic institutions: UGA, INP and GEM; two major French research institutions: CEA, CNRS; as well as 3 leading European laboratories: ESRF, ILL, EMBL.

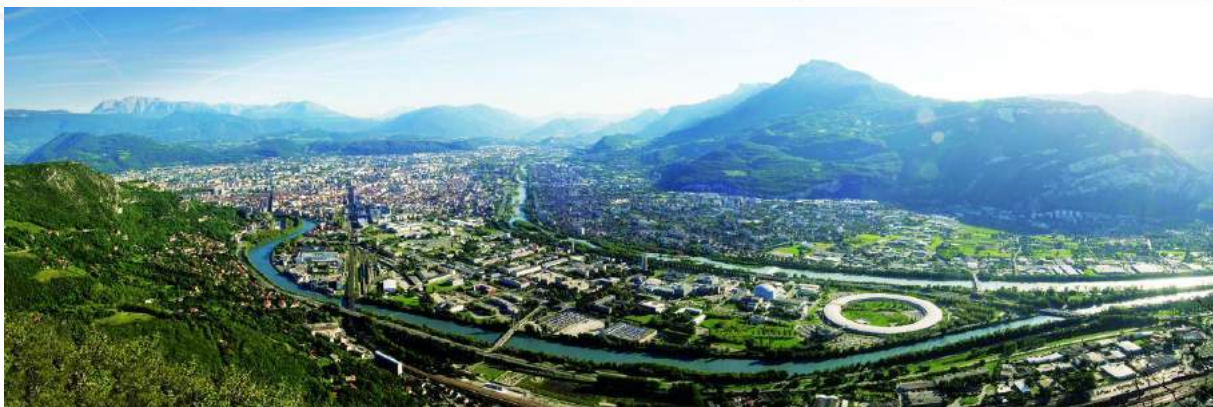
Backed by local and regional government agencies and officials, the campus is also hosting several industries, start-ups, incubators, clusters and so on.

GIANT Campus is forging new dynamic sustainable links between science, education and industry by promoting multidisciplinary, transversal collaboration, sharing of skills and ideas, and diffusion of knowledge.

Internationally oriented, GIANT Campus offers a large range of actions, attractive programs, yearly events and unique tools dedicated to technological innovation and science promotion all around the world to various audiences from pupils and students to industry representatives and scientists.

GIANT Campus is located in the 250 hectares “Presqu’île Scientifique” district where more than 10,000 people work closely together every day on numerous science and innovation subjects.

Program of the visit: Touring of the Campus, overview of some Campus Partners’ main infrastructures, visit of some major facilities and innovation platforms



GIANT

INNOVATION CAMPUS

giant-grenoble.org

“Presqu’île”: a new Grenoble Urban District neighboring the GIANT Campus

The Presqu’île project is a large urban regeneration project which was launched in 2009. The project aims to transform a district of Grenoble which was previously exclusively devoted to research laboratories into a fully-functioning, liveable neighbourhood, bringing together researchers, companies, universities, students and citizens. This new district is the personification of the area’s innovative spirit, fostering collaboration and innovation between local authorities, research centres, universities, companies and citizens while showcasing cutting-edge technologies.

This project is now nearing completion and offers a wide range of private housing, student housing and social housing, all meeting highest environmental standards, with shared spaces between neighbours, parks and sports facilities, shops and businesses, and an innovative public transport system.

This new urban development intermingles with the existing companies, research centres and universities present in the GIANT innovation campus. The proximity between citizens and these innovation actors encourages open innovation and collaboration, leading to enhanced quality of life and opportunities in this new district.

Programme of the visit: Presentation of the “Presqu’île” urban project, visit of “Mobility Pavilion”, rooftop view of the new Grenoble Urban District and GIANT Campus

« La Presqu’île »


GRENOBLE-ALPES MÉTROPOLE
lametro.fr



Ambitious on-going project

- > 2010-
- > 250 hectares
- > + 10 000 workers
- > + 7 000 students
- > + more than 18 000 homes
- > Experimentation site for new ways of living
- Renewable energy usage
- New transport solutions
- > Sharing resources between companies
- smart grids project
- > New site to house innovative startups
- Area dedicated to everyday life, to education, to economic development to science & research and to innovation
- > 100 000 m² of commercial space for companies
- > Development of local shops and services (bakeries, doctors' surgeries, restaurants, hotels...)
- > Inter-Enterprise Transport Programme



grenoble.fr (French version only)

grenoble-innovia.fr (French version only)