

QUANTUM COMPUTING

SILICON

ELECTRONIC & SUPRACONDUCTING QUBITS

SUPER CONDUCTORS MATERIALS

QUANTUM FUTURE

HUB


SOFTWARE ALGORITHMS PHYSICS ECOSYSTEM

HARDWARE

QUANTUM ENGINEERING

INNOVATION

RESEARCH CLUSTER SEMICONDUCTORS



Grenoble

Alpes

A LEADING QUANTUM ECOSYSTEM

A PIONEER HUB IN QUANTUM TECHNOLOGIES

Grenoble Alpes is one of the three major quantum hubs in France, bringing together cutting-edge research, innovative companies, and world-class technological infrastructures.

TOP 3

French

Quantum HUB

~ 20

laboratories

dedicated to quantum

sciences and technologies

+ 230

specialized

researchers

+ 300

talents

in training

QUANTUM KEY PLAYERS

RESEARCH

The research federation for quantum

QUANT ALPS

UGA, CEA, CNRS

INRIA, INP-UGA

STARTUPS

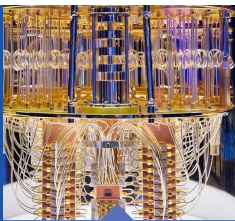
Quantum processors based on silicon qubits

QUOBLY

Quantum technologies for advanced readout

SILENT WAVES


ENABLING TECHNOLOGIES



Advanced cryogenic solutions for quantum

AIR LIQUIDE


INDUSTRIAL SCALE TECHNOLOGIES




Global manufacturer of interconnect components

RADIALL


KEY COMPETENCIES IN QUANTUM SCIENCE, TECHNOLOGIES AND R&D




Quantum engineering & hardware




Software & information technology



Quantum materials



Enabling technologies



Social & human sciences

QUANTUM ECOSYSTEM OF R&D

MAJOR ISSUES ADDRESSED

Encrypted communications | Increased computing capabilities | Simulation & quantum sensors

QUANT ALPS

The ecosystem for Quantum Sciences & Technologies, bringing together Grenoble's overall research community, and animating interdisciplinary and cross-sector projects.



+ 230
permanent
researchers

+ 500
talents
trained

19 laboratories



ALPS QUANTUM HOUSE

LES MAISONS
DU QUANTIQUE



One of the 5 French Quantum Houses, focused on hybrid quantum computing, to guide industries across all sectors on the possibilities and development of these approaches for their business.

QUANTEDU-FRANCE



QuantEdu
FRANCE

The National Education Program on Quantum Technologies, to meet the strategic skill requirements of research and industry in France.



AN ENTIRE
COMMUNITY
DEDICATED TO THE
DEVELOPMENT OF
QUANTUM
TECHNOLOGIES

CLUSTERS

Grenoble International & Interdisciplinary Institute in Artificial Intelligence focused on the future of computing.



The digital technology cluster for France's Auvergne-Rhône-Alpes region, creating opportunities for its members to innovate and grow at international level.

THE QUANTUM HUB



A foresight initiative to anticipate applications and impacts of Quantum Computing in the Short Medium and long term, gathering industrial and academic partners.

A POWERFUL INDUSTRIAL QUANTUM ECOSYSTEM

ABSOLUT SYSTEM



Develops advanced cryogenic solutions for cooling quantum technologies, including superconductivity and optomechanics.

AIR LIQUIDE



Provides high-capacity and reliable cryogenics that are necessary to power demanding quantum data centers and drive substantial quantum computing growth.

DIAMFAB



Develops thin films of doped synthetic diamond for applications in power electronics and quantum technologies.

QUOBLY



Emerging from 15 years of collaborative research between CEA-Leti and CNRS, developing fault-tolerant quantum processors based on silicon qubits.

IQM IQM

Build advanced quantum computer for supercomputing centers. Ready to set up a pilot line in Grenoble, in partnership with the CEA-Leti in 2025.

MAG4HEALTH



Revolutionizes brain imaging with helium-4 quantum sensors, enabling precise and accessible diagnostics without cooling.

RADIALL



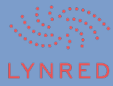
Offer cutting-edge microwave connectivity solutions that support the emerging developments and applications of quantum computing technology.

SILENT WAVES



Develops ultra-low noise superconducting amplifiers for advanced signal processing in quantum technologies.

AND ALSO:



Grenoble Alpes

THE RIGHT CHOICE FOR YOUR BUSINESS

The Invest in Grenoble Alpes team is dedicated to supporting French and foreign companies in successfully developing their business in Grenoble Alpes.

We provide tailored support at every step of your project.



www.investingrenoblealpes.com

