



Commission launches strategy to make Europe Quantum leader by 2030

Brussels, 2 July 2025

Today, the European Commission has put forward the [Quantum Strategy](#) to make Europe a global leader in quantum by 2030. The Strategy will foster a resilient, sovereign quantum ecosystem that fuels startup growth and transforms breakthrough science into market-ready applications, while maintaining Europe's scientific leadership.

Quantum technologies will revolutionise addressing complex challenges, from pharmaceutical breakthroughs to securing critical infrastructure. They will open new opportunities for the EU's industrial competitiveness and tech sovereignty, with strong dual-use potential for defence and security. By 2040, the sector is expected to create thousands of highly skilled jobs across the EU and exceed a global value of €155 billion.

The Strategy targets five areas: research and innovation, quantum infrastructures, ecosystem strengthening, space and dual-use technologies, and quantum skills.

It includes the following actions:

- Launching the **Quantum Europe Research and Innovation Initiative**, a joint EU and Member States' effort to support foundational research and develop applications in key public and industrial sectors.
- Establishing a **quantum design facility** and **six quantum chips pilot lines**, backed by up to €50 million in public funding, to transform scientific prototypes into manufacturable products.
- Launching a **pilot facility for the European Quantum Internet**.
- Expanding the network of **Quantum Competence Clusters** across the EU and establishing the **European Quantum Skills Academy** in 2026.
- Developing a **Quantum Technology Roadmap in Space** with the European Space Agency and contributing to the **European Armament Technological Roadmap**.

This Strategy aims to boost the share of global private funding that European quantum companies receive, currently at around 5%, to stimulate the growth of European startups and scaleups and promote the uptake of European quantum solutions by European industries.

Next Steps

The Commission will work closely with the Member States and European quantum community including academia, startups, industrial actors, and innovation stakeholders and their representatives to turn Strategy's objectives into reality.

A High-Level Advisory Board will bring together leading European quantum scientists and technology experts, including European Nobel Prize Laureates in quantum. It will provide independent strategic guidance on the implementation of the Quantum Europe Strategy.

The Strategy will be followed by a Quantum Act proposal, expected in 2026, which will further strengthen the quantum ecosystem and the industrialisation efforts by incentivising Member States and companies, investors and researchers to invest in (pilot) production facilities, under the umbrella of large-scale EU-wide national or regional initiatives.

For More Information

[Quantum Europe Strategy](#)

[Questions & Answers](#)

Quote(s):

"With Quantum science advancing rapidly, we are on the verge of some of the most transformative scientific and technological breakthroughs. Europe has always been at the forefront of quantum science, with a strong record of innovation and discovery. We have everything we need to become a leading quantum continent, from a highly skilled workforce to a robust research infrastructure. As the global quantum race intensifies and moves from lab to real-world application, Europe must maintain its leadership. That's why we are launching the Quantum Europe Strategy – to bring together Member States, industry, academia and society to unlock the full potential of quantum technologies."

Henna Virkkunen, Executive Vice-President for Tech Sovereignty, Security and Democracy - 02/07/2025

Press contacts:

[Thomas REGNIER](#) (+32 2 29 91099)

[Nika BLAZEVIC](#) (+32 2 29 92717)

General public inquiries: [Europe Direct](#) by phone [00 800 67 89 10 11](#) or by [email](#)

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 [Press point by Henna Virkkunen, Executive Vice-President of the European Commission, on the EU's Quantum Strategy](#)