



**{Rudolfovo – Science and Technology Centre Novo mesto**

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**{Rudolfovo - Science and Technology Centre Novo mesto is a public research institute that combines cutting-edge basic and applied research and innovation. The Institute operates through four specialised research groups: the Centre for Advanced Technologies, the Centre for Digitalisation, the Centre for Circular Economy and the Centre for Technology Transfer and Intellectual Property. We develop and manage the infrastructure for scientific research activities and promote the popularisation of science and technical culture, thus contributing to the progress and sustainable development of society.**

**Five Laboratories reinforce Research and Development activities:**

{LabTOP - Laboratory for Factories of the Future

{LabX - Laboratory for Extended Reality

{Lab3D - Laboratory for 3D Technologies

{LabM - Laboratory for Materials

{LabE - Laboratory for Energy Management

Rudolfovo is a proud member of the Qutes (Slovene Quantum Science and Technology Community) consortium, a collaborative network dedicated to advancing quantum science and technology. As part of Qutes, Rudolfovo will contribute efforts in the area of applied quantum computing, which involves:

- Testing all quantum computers available to Rudolfovo researchers globally. This includes private quantum computers accessible through various academic programs and public quantum computers funded by EuroHPC JU, which will be available in EU for European researchers from 2024 on.
- Developing new algorithms for mathematical optimization problems and numerical linear algebra problems, and testing them on the aforementioned quantum computers.
- Facilitating the transfer of knowledge about applied quantum computing to industry partners.
- Supporting the founding of new companies in the form of spin-outs or spin-offs that will be active in the domain of quantum computing.

Through these efforts, Rudolfovo will contribute to the realization of the European agenda on quantum technology, ensuring that Slovenia remains at the forefront of global scientific and technological advancements.