

Korea-Europe Quantum Science Technology Cooperation Center

2022

Establishment of the Quantum Technology International Cooperation Strength Program

- Opening of the 'Korea-US Quantum Technology Cooperation Center' in Washington D.C., USA (Sep. 2022)

July 12, 2023

Authorization of the KE-QSTCC as a non-profit corporation

October 18, 2023

Opening of the Korea-Europe Quantum Science Technology Cooperation Center

- Opening of 4 European Joint Research Centers (2023)

January 31, 2024

Launch of the KE-QSTCC Advisory Group

(13 Korean scientists & policymakers from 10 European countries)

KE-QSTCC
opens in Belgium.
Technology Cooperation
begins in full force

(Yonhap News, October 18, 2023)

The top 10 science and technology news in the field of international cooperation in 2023

(Science and Technology News, December 27,2023) KE-QSTCC advisory
Group Launched.
"Activating International
Cooperation"

(Yonhap News, January 31, 2024)







Ministry of Science and ICT



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Korea-Europe

(Vision) An international cooperation strategic platform for Korea to leap into quantum science and technology leading country

The Korea-Europe Quantum Science Technology Cooperation Center will serve as a strategic cooperation hub between Korea and Europe, aiming to establish Korea as a global leader in quantum economy by 2035.

Corporation type

Non-profit Belgian Organization (ASBL)

Opening date

October 18, 2023

Location

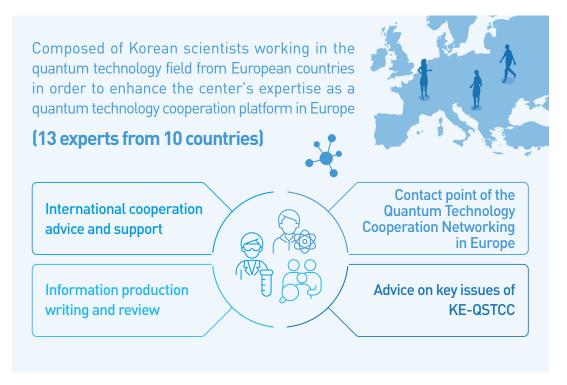
14A Rue de la Science, 1040 Brussels







I KE-QSTCC Advisory Board



1 R&D Planning

Core Roles

Support for the Development of International Cooperation **R&D Programs**

Assisting in building international collaboration programs in quantum technology with leading European nations

Pre-Planning **Promising** International Cooperation **Projects**

Identifying collaborative projects for technology development, workforce exchange, networking between Korean and European researchers and fostering policy research

Support for Joint Research **Centers**

Customized support for setting up joint research centers and achieving tangible international collaboration outcomes.



Joint Research Center in Europe

UK Joint Research Center (Sungkyunkwan Univ. -Glasgow Univ.)

Superconducting Electro-Optic technology for Near-infrared single photon counting

German Joint Research Center (KAIST-Würzburg Univ.)

Chip-scale Scalable Quantum Light Sources and Photonic Integrated Circuit Technology Development

Swiss Joint Research Center (KRISS-Zurich Instrument)

Superconducting gubits-based Quantum computing

Swiss Joint Research Center (Seoul National Univ.-EPFL)

Semiconductor-based scalable quantum computing



- Presenting Korea quantum chnology status to QCN, Swisscore, Neth-ER, SWERI, research institutes, companies, etc., and seeking collaboration with them
- Introduced Korean quantum tech. policy at the 'Korea-Switzerland Forum 2023 (Nov. 2023)
- Co-hosted the 10th Science and Humanities Seminar with KOSEAbelMay 2024)

Identifying collaboration and raising Korea-EU partnership awareness in Europe



• Regular Korea-EU online workshops

• Support for intergovernmental cooperation

(Korea-EU digital partnership, Korea-Netherlands

ICT policy dialogue, NATO partner workshop, etc.)

organizing international conferences and Networking events with liaison offices, industry, academia,



Attending and

Cooperation with the Korean Scientists & Engineers Associations in Europe

- Attended Swissnex Quantum Summit and Multilatera Dialogue on Quantum (Oct. 2023)
- Supported Korean delegation visit to UK National Quantum Technology Showcase (Nov. 2023)



and research

institutes

in Europe

KE-QSTCC Holds Science and Humanities Seminar (Yonhap News. May 25, 2024)



(3) Information **Production**



100 유럽 영지기술 등학교실을 세점을 모드면 1 2000 명의 100 명령하는 세점을 Cold Mases 설정 100 명의 국립영지권리를 등학교실 100 명의 국립영지권리를 등학교실 대소트로드 개발을 위한 기업 선정 작성부분과 하드웨어 개별에 있어 외부 국가에 대한 의존을 끝내고 유럽을 세계 최조의 '정당별라'로 단물였다는 새로운 로드업(SAA 영국연구화신형(MRI)과 국립양자원유형(변대MDCC)는 영국 양자기술 학 기업에 130M 부자 '253활자기 육스파드부 남부에 소자한 NDCC 시설 양자점류당 테스트비드 개념을 위해 7개 기업을 선정



Establishment of a trend & statistics DB on the information production

* Planned to be transferred to the National Quantum Comprehensive Portal

website (https://k-erc.eu/ke-qstcc/) (Feb. 2024~)

< KE-QSTCC 심층 리포트 유럽 양자 선도국 전략 및 인사이트 NRF Some Curpe

Newsletter (Biweekly)

Brief

Report (planned)





