THE NETHERLANDS
Quantum gateway to Europe
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QUANTUM GATEWAY TO EUROPE

AMSTERDAM
SCIENCE PARK

DELFT
QUANTUM CAMPUS

EINDHOVEN
HIGH TECH REGION

Eindhoven
Amsterdam
Delft
Eindhoven
Delft

- QuTech >200 people
- Excellent midterm review
- New start-ups and companies
- Spinoza Prize
- Microsoft and Bluefors opened labs
Bluefors develops cryogenic technology for quantum computers

Qblox is a QuTech spin-off developing electronic equipment for quantum computers

Microsoft: 30+ people quantum lab on campus
Qubits on a chip (QuTech examples)

Semiconductor qubits

Topological Majorana devices

Superconducting circuits

Diamond spin qubits for communication
Dutch quantum technology demonstrators

2020 goal: full quantum computing stack available in the cloud

2020s goal:
- world’s first “baby” quantum internet
- MDI-QKD

http://quantuminspire.eu
1: R&D

2: Ecosystem & Infrastructure

3: Human Capital

4: Society (ELSA)

CAT - 1 Quantum Computing and Simulation

CAT - 2 National Quantum Network

CAT - 3 Quantum Sensing Applications

Launch 16 September

NATIONALE AGENDA QUANTUM TECHNOLOGIE