



Quantum computing in the data center





**Intelligent
Business**



**Intelligent
Workplace**



**Intelligent
Infrastructure**



**Intelligent
Cybersecurity**



Services

Consulting | Technical | Managed | Support



ICT infrastructure

Data Centers | Connectivity | Network | Cloud

Global Data Centers



160+ Data Centers in 20 countries

Space, power, connectivity, security

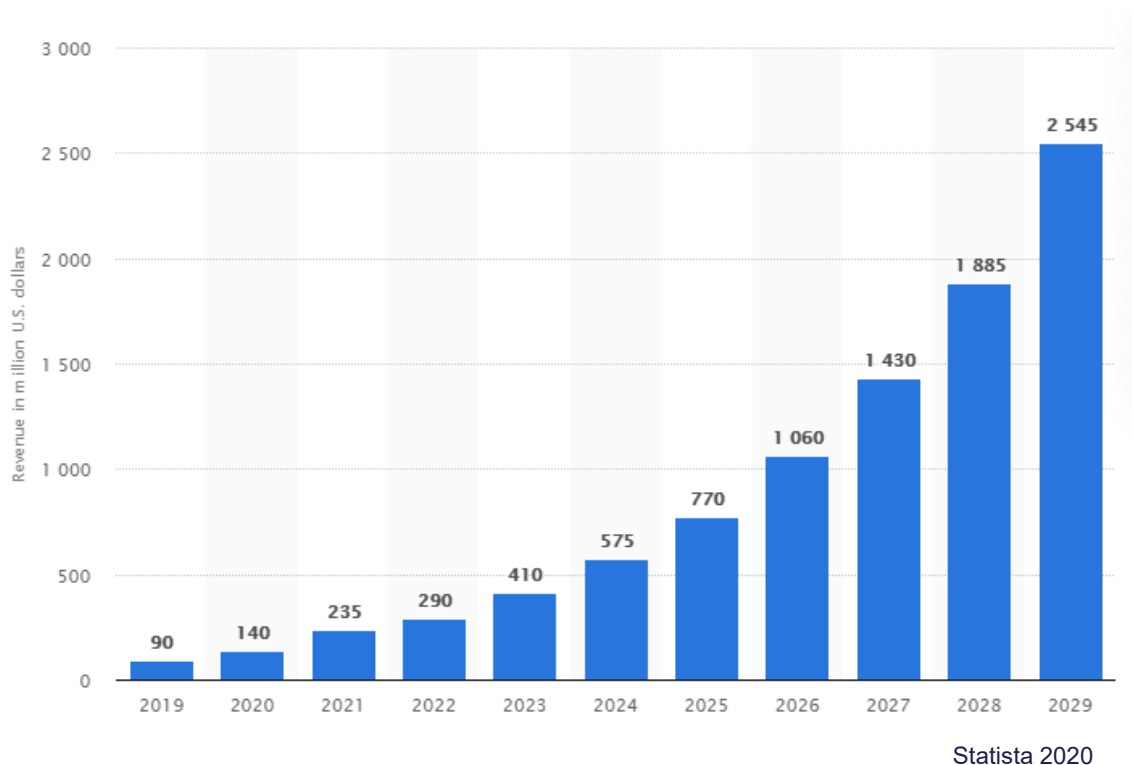
Direct access to all major clouds

Technology Experience Lab with
140+ Partners and 80+ Use Cases

The rise of quantum technology



Forecast of the quantum computing market worldwide until 2029



Optimization

Crunching through a vast number of potential solutions

Intelligence

Machine Learning and pattern detection

Simulations

Calculating risk measures of high-dimensional problems

The colocation data center as foundation for quantum

The difference between development and production

Technical requirements

Space

Flexible and **protected** environments with **exclusive access**.

Power and cooling

Stable and **reliable** power and cooling infrastructure

Connectivity

Low latency interconnections and **direct cloud access**

Business requirements

Business continuity

Some applications are **mission critical** and need to run **24/7/365**

Security

Enterprises' **intellectual property** must be highly secured incl. **physical security**

Regulations

Compliance and governance often require **certified IT processes** incl. facility (e.g. **ISO 27001 BSI**)



Today's speakers



Christopher Zachow

System Engineer Quantum Computing, SVA



Niklas Hegemann

Co-Founder & Managing Director, JoS QUANTUM




David Vettese

Sales Director, Alpine Quantum Technologies

Enjoy the talks



 Scan me

Dominik Friedel

Business Development Manager
dominik.friedel@e-shelter.com

**Please ask your
questions in the chat**