ALIRO

AliroTech.com

VENDOR SNAPSHOT

Founded 2019

Aliro provides software and overall quantum-based solutions for securing networks for enterprises, public sector, and CSPs worldwide.

Key Customers

- EPB Quantum Network
- US Air Force
- BNL
- Accenture

Funding

Cisco
Flybridge Leaders
Gutbrain Ventures
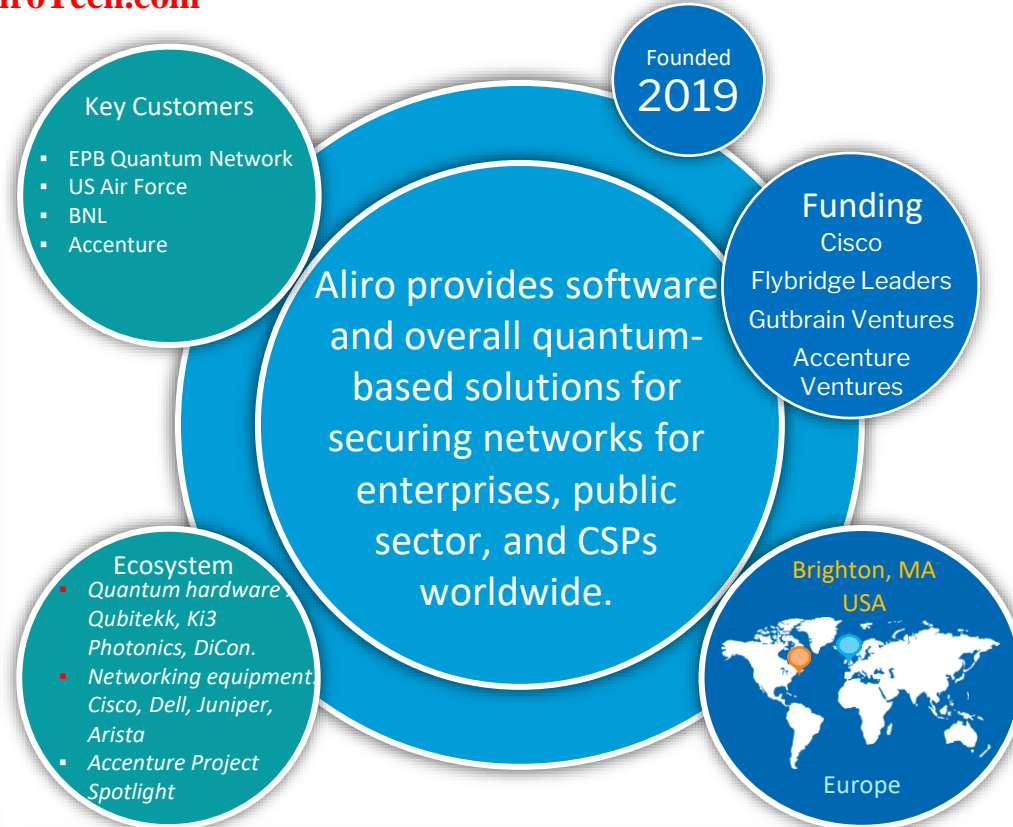Accenture Ventures

Brighton, MA USA

Europe

PRODUCTS AND SERVICES

- AliroNet® is a software solution that works with quantum entanglement hardware to upgrade an existing communications network into an entanglement-based quantum network that can provide quantum secure communications, networking of quantum processor units, linking of quantum sensors, and upcoming qubit-centric applications.
- Aliro Orchestrator is a multi-tenant, cloud-native software system for lifecycle management of a modern, secure network. It is working in the EPB production quantum network (quantum.epb.com).
- AliroNet Quickstart is a preconfigured entanglement-based quantum network implementation.
- Aliro Simulator is a software tool for designing, simulating and optimizing the quantum-based overlay network for quantum secure networks.
- AlirOS® is an operating system that runs on or adjacent to quantum network end-nodes, devices, components, and repeaters.

Ecosystem

- *Quantum hardware: Qubitekk, Ki3 Photonics, DiCon.*
- *Networking equipment: Cisco, Dell, Juniper, Arista*
- *Accenture Project Spotlight*

KEY STRATEGIES

- Provide advanced secure networking solutions to public sector, enterprise, and CSP markets.
- Software based, hardware agnostic - Partner with hardware companies who provide the quantum entanglement and communications equipment.
- Meet current needs in secure networking and prepare for the post-quantum computing world where new quantum-based solutions will be needed.
- Integrate the new quantum technology into existing networks with easy upgrade paths.
- Educate the customers on the needs and solutions in this emerging technology and provide test beds for their investigations.

ANALYSIS

- Aliro is an early-stage company with a. strong management team. Its market is guaranteed to grow radically as quantum computers obsolete existing math-based secure networking technologies, we believe within the next 5 years.
- Government and enterprise (especially financial and health care) markets are experimenting with these new technologies, with Aliro offering a very practical approach to adding quantum-based secure technologies to current networks, including the distribution of quantum-entangled photons over existing metro fiber.
- CSPs will need to adopt these for securing their own networks and potentially can offer new secure networking managed services in the future.
- Aliro's solution aligns with existing infrastructure and the company is doing a good job educating the market on the importance of quantum-based security

Xx March 2025 – Dr. Mark H Mortensen & Liliane Offredo-Zreik