

Cyberlink & Avaloq @

SCION Day 2025 ETH Zürich

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30 YEARS

How the Secure Swiss Finance Network (SSFN) enhances Avaloq's Financial Cloud



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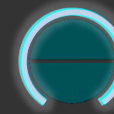
Cyberlink's Solution Portfolio



- Business Internet
- Private Network
- SCION



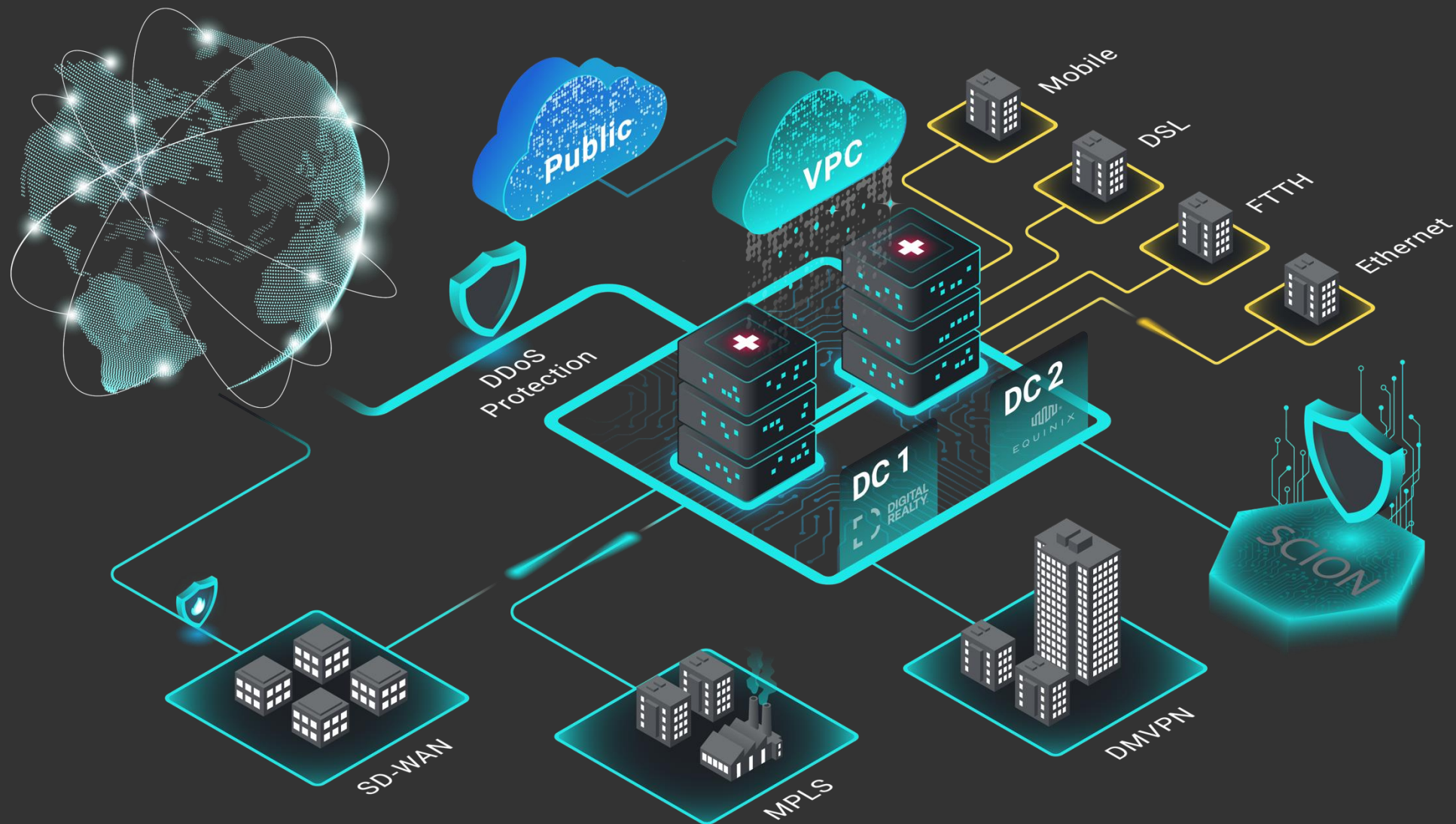
- Virtual Private Cloud
- S3 Storage
- Database-as-a-Service (DBaaS)
- Colocation



- 7x24h Service Monitoring
- DDoS Protection
- Tier-3 Data Centre Infrastructure
- ISAE-3402 Audit

Your entire ICT-Infrastructure – one Partner

Cyberlink's Landscape



Avaloq

cyberlink
30 YEARS

avalooq
An NEC Company



Avaloq produces and operates banking software and banking services for banks and wealth managers.



Avaloq celebrated this year its 40th anniversary!



Change and evolution are necessary, and Avaloq is on a transformation path to clouds.

Avaloq's cloud strategy

Optimize for client experience

Achieved through simplicity, a globally uniform target operating model, automation, and banking-grade security

Single cloud option for every workload type

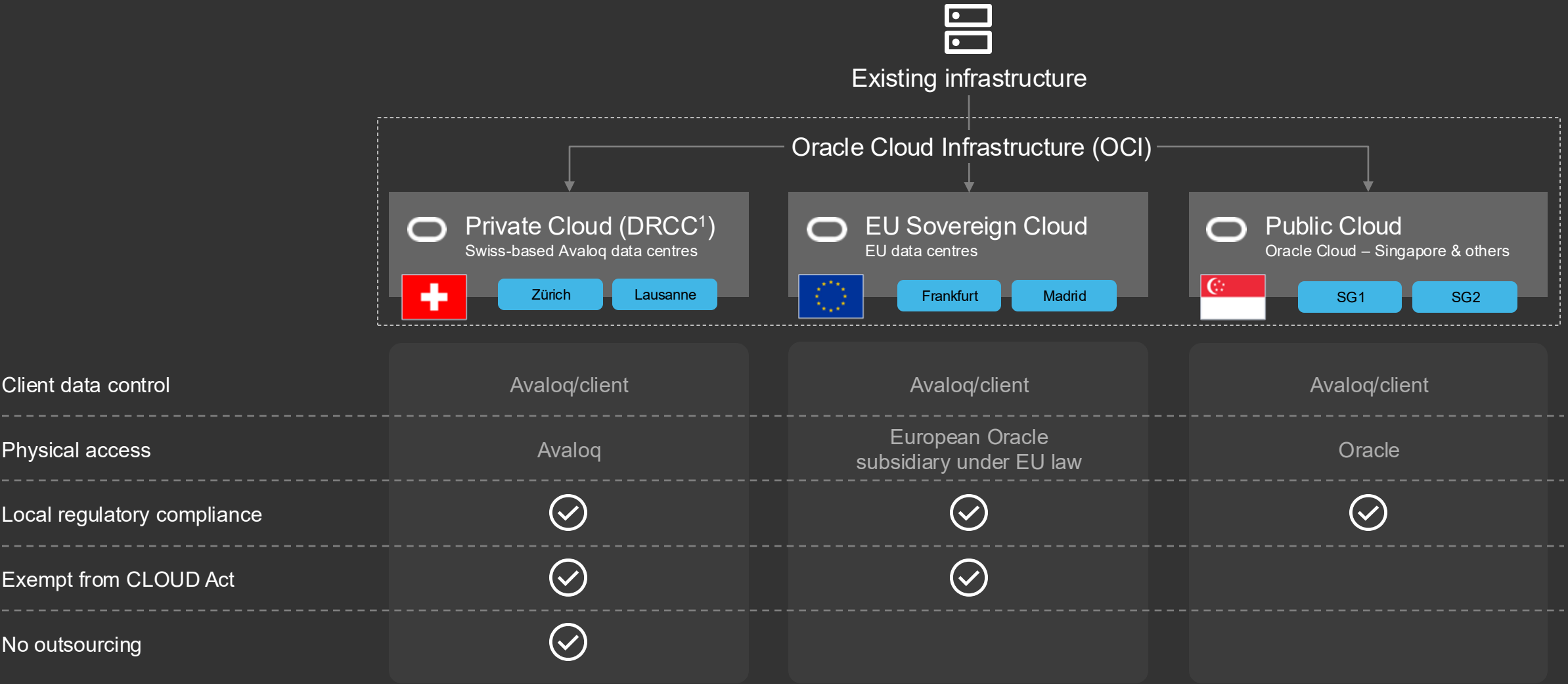
Using Oracle Cloud Infrastructure (OCI) for the majority of workloads

Offering the optimum platform for the Avaloq Core Platform (ACP) Oracle database

Providing the same infrastructure across all Avaloq setups

Avaloq Clouds

same cloud control plane functionality on identical infrastructure enabling harmonized operation on different setups around the world

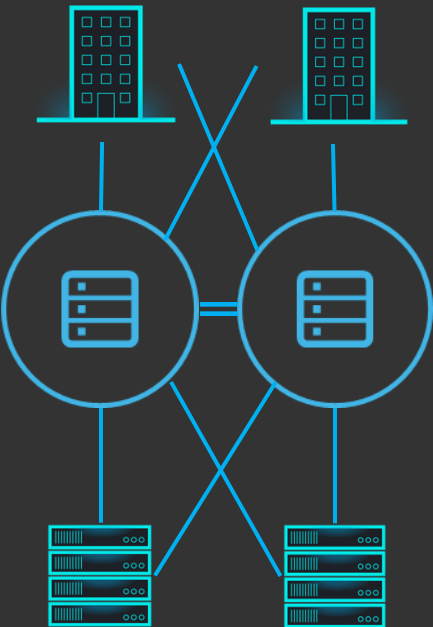


Moving from on-prem to cloud

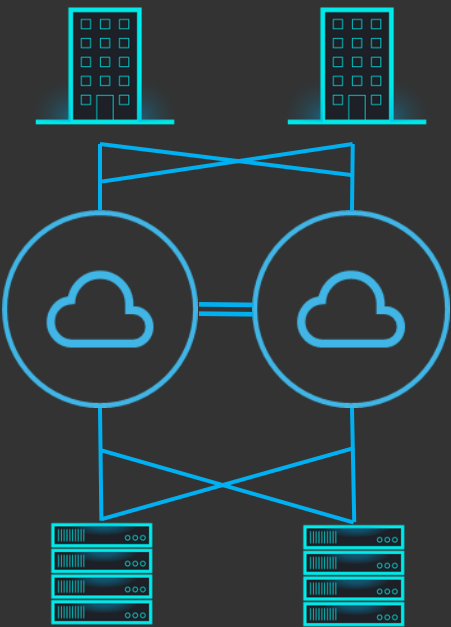
Evolution

Increase in overall complexity drives the need for patterns

Physical segregation



Virtual segregation



We would want the best from both worlds

Private networks



Security



Control



Isolation

Public networks



Flexibility



Decentralisation



Scalability

Avaloq's requirements:

Secure

Virtual

Flexible

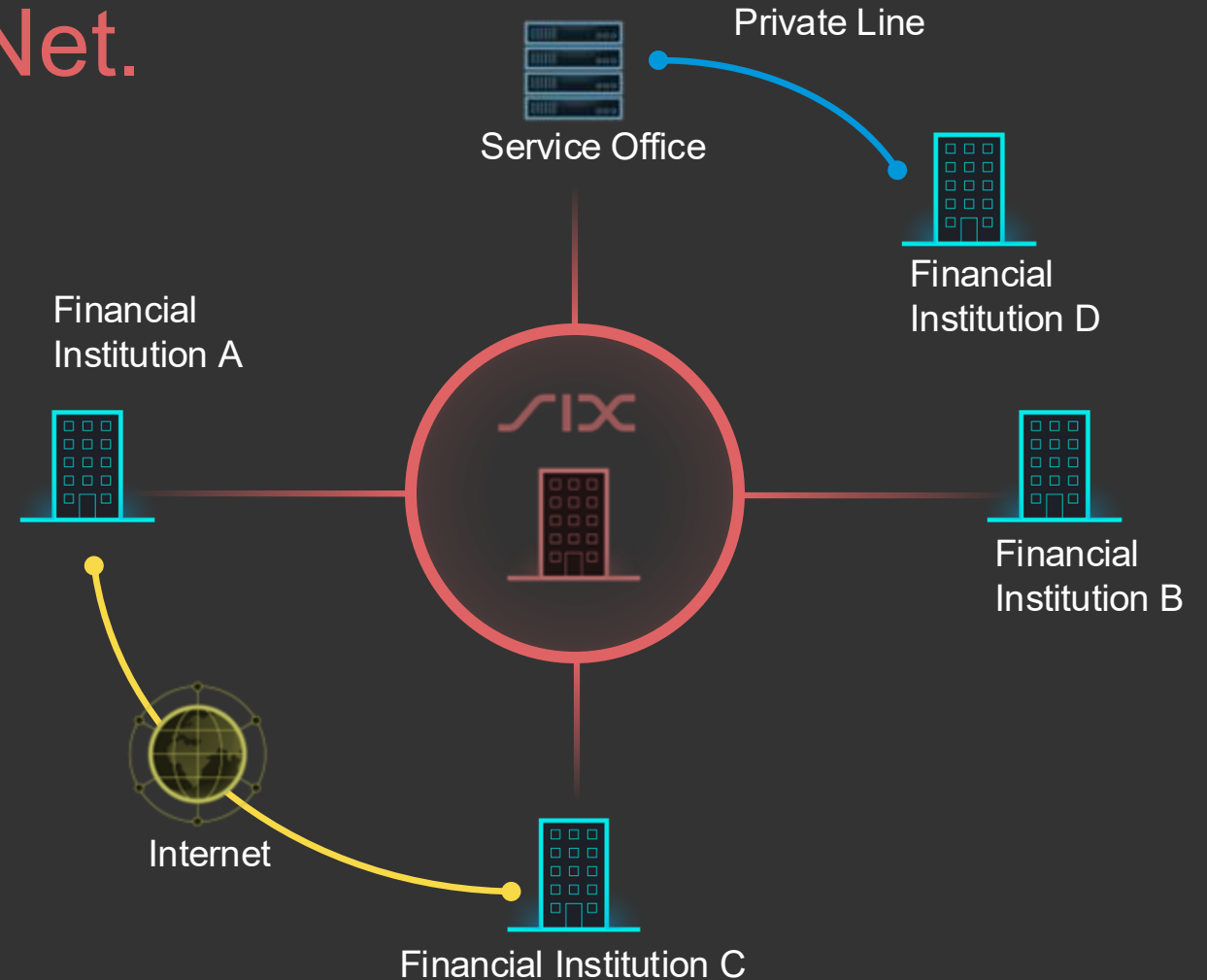
Compliant



Secure Swiss Finance Network

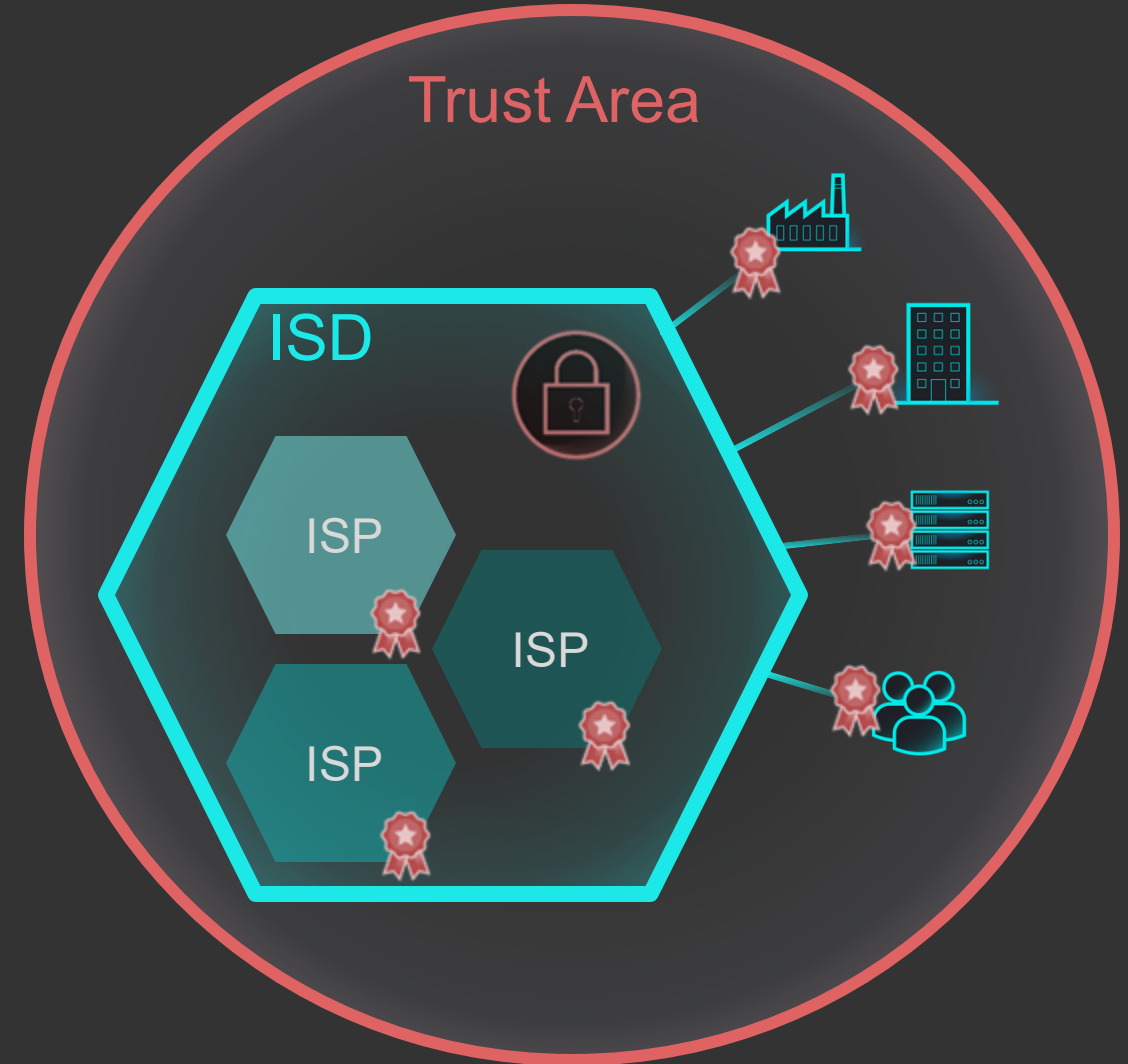
Predecessor: Finance IPNet.

- Secure, but limited
- Inflexible centralized hub-and-spoke architecture
- Additional, parallel connections required:
 - Vulnerable VPN via the Internet
 - Expensive dedicated connections



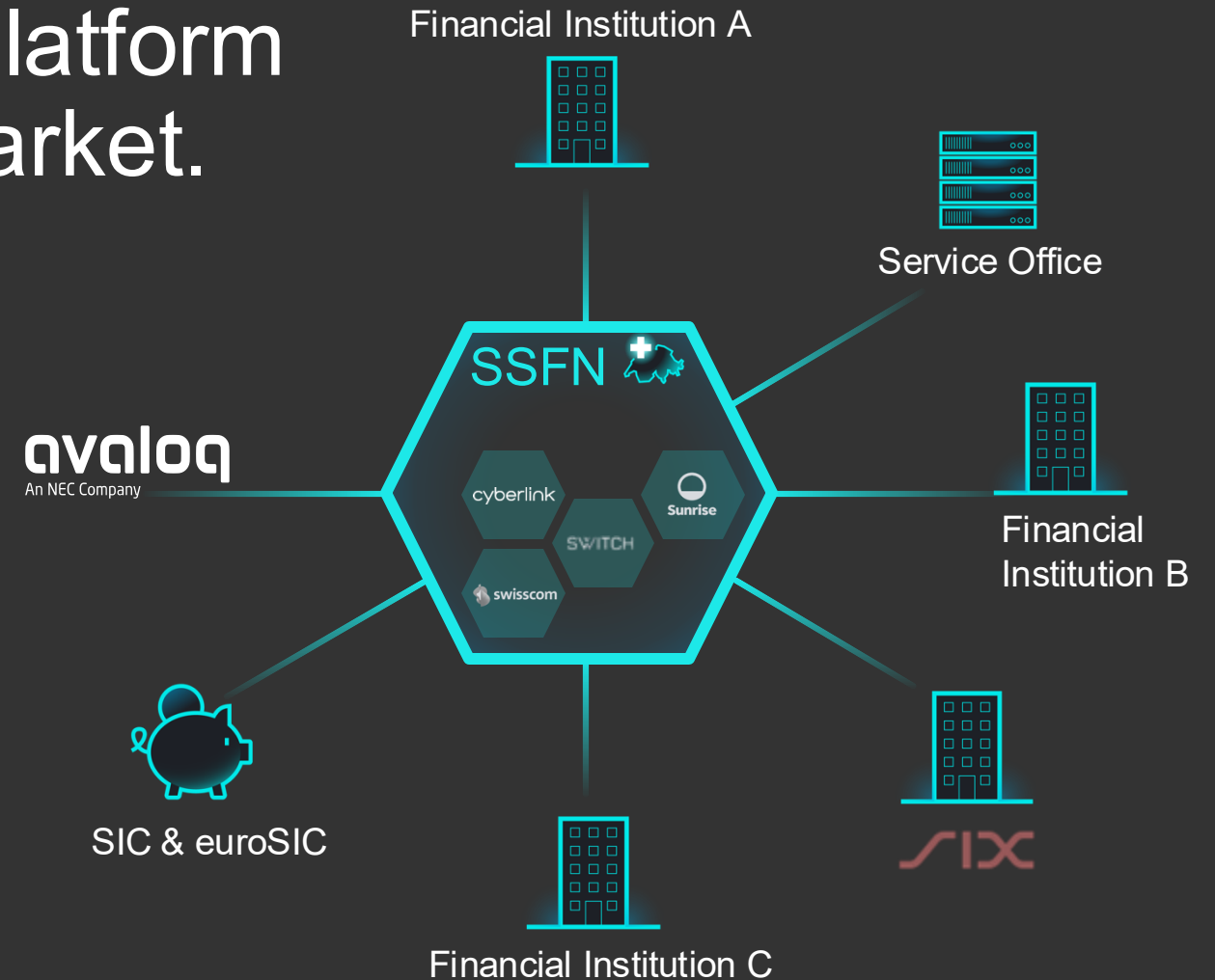
The Concept of the Isolation Domain (ISD).

- ISDs are local governance domains with their own trust policies.
- They link service providers and users in a trusted environment.
- Each member requires a certificate to join an ISD.
- ISDs can be open or closed.



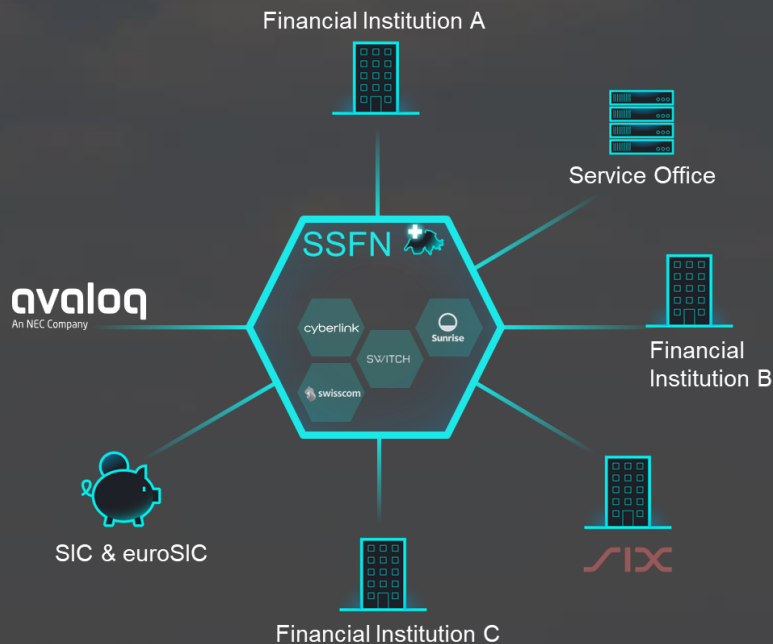
Central communication platform for the Swiss financial market.

- Flexible any-to-any communication between SSFN participants
- Inherent protection against cyber risks
- Consolidation of existing connections to financial market participants
- SNB-compliant and governed communication



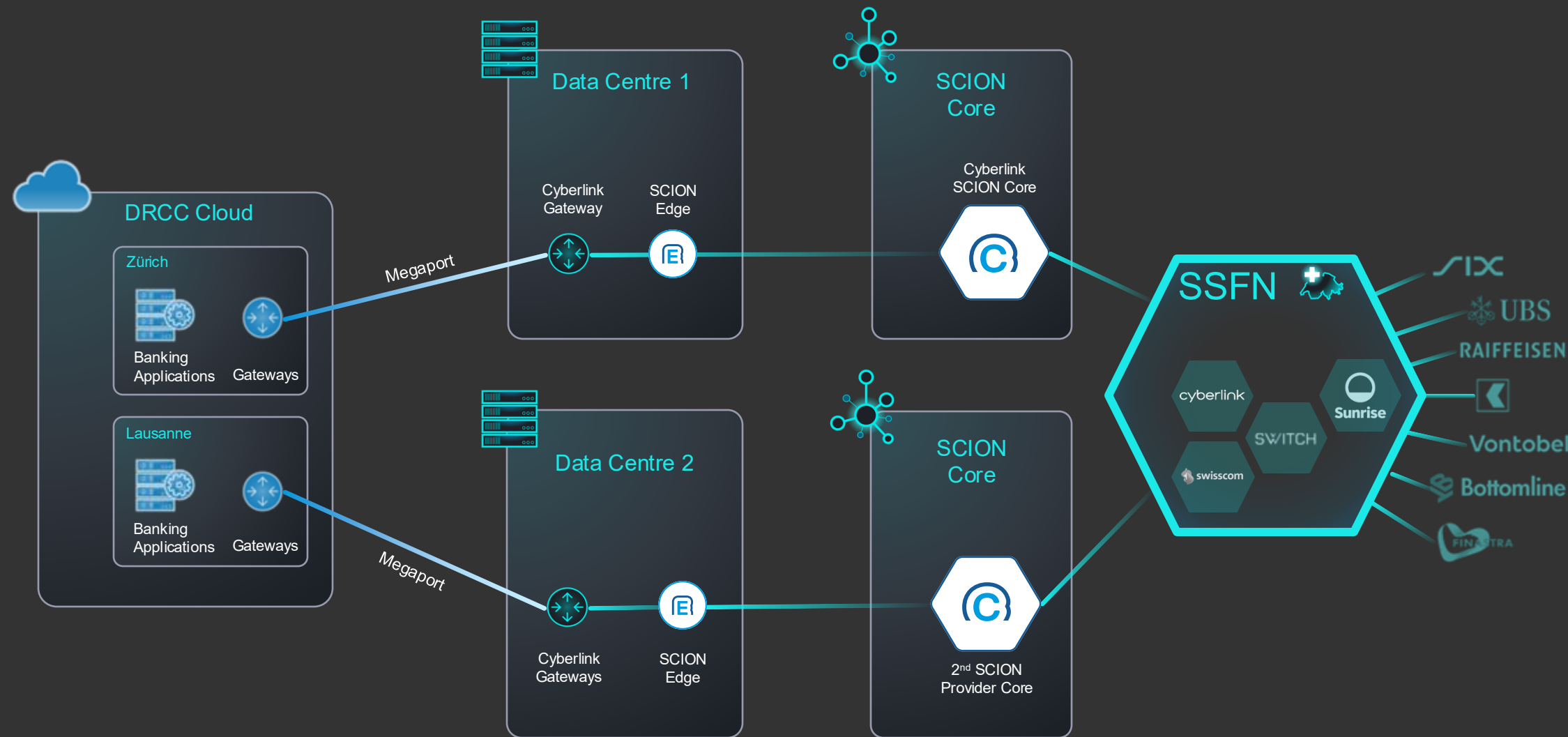
Does SSFN fit our needs and how do we implement it?

Avaloq's Implementation Requirements



- + Physically redundant connections
- + Multiple providers
- + Connect multiple partners in one way to save costs
- + Virtually segregated connections
- + Cloud compatible → no box to be installed but it's just a port
- + Use existing or proven building blocks
- + Fail fast!

Avaloq's SSFN Access 2025



Interconnecting the global financial ecosystem



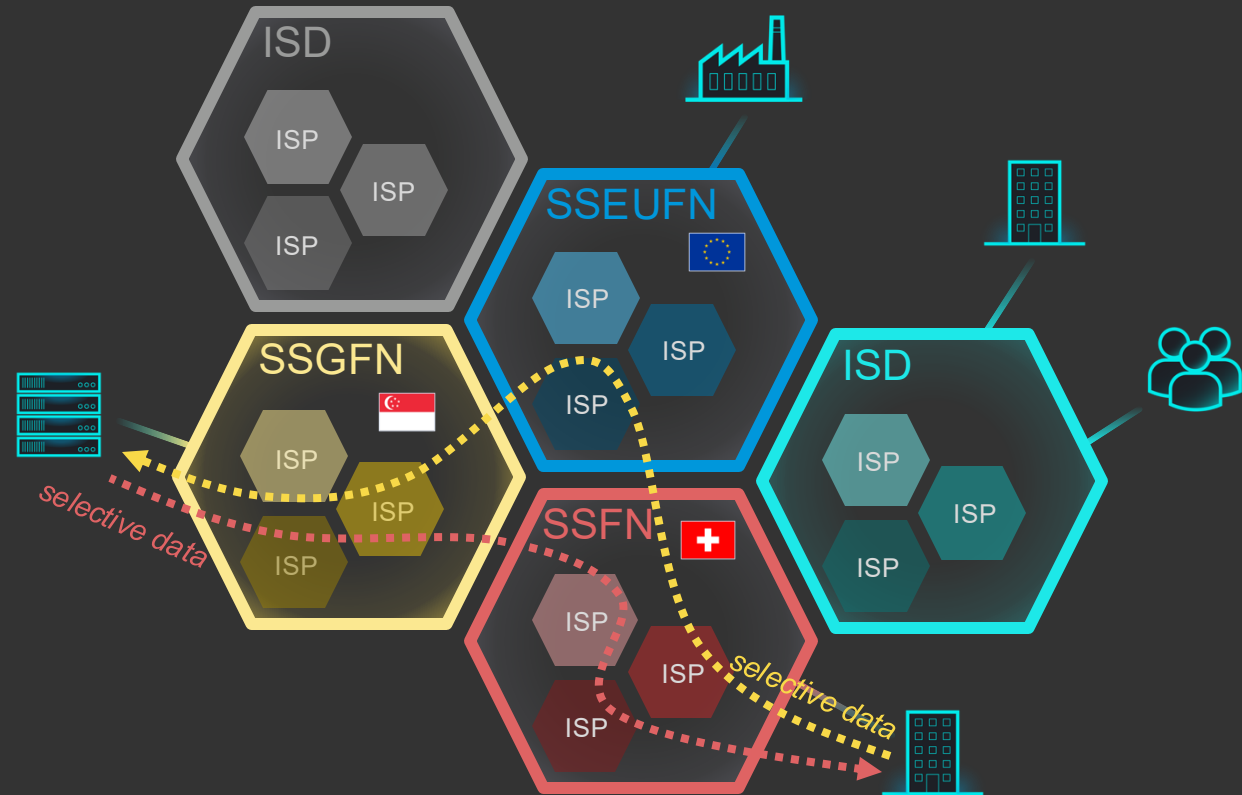
Trusted & Secure



Controlled



Reliable



Questions





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