

Securing the future of energy - How EKT AG connects critical systems with Anapaya GATE

EKT AG runs a successful proof of concept to enhance the security and reliability of its remote operations by implementing Anapaya GATE to securely connect its teams and partners to the critical remote access platform.

▶ About EKT AG

Employees: 130
Footprint: 3 locations
Industry: Energy and utilities
SCIONabled since 2025
Products: EDGE, GATE, CONSOLE

“With Anapaya GATE, we now have a trusted, secure way to connect our remote teams and suppliers to our central remote access platform – no compromises on performance or security. It’s a fundamental part of our digital operations.”

Andreas Plüer
CISO of EKT AG



Overview

EKT AG is a leading Swiss energy and data services provider delivering reliable electricity and digital infrastructure to local energy providers, business, and public sector clients across and beyond the canton of Thurgau. EKT AG runs its own colocation datacenter and provides Telecom services and specializes also in renewable energies, contracting solutions and heating networks. EKT AG is committed to driving the energy transition while ensuring secure, future-proof network solutions.



The challenge

EKT AG needed to ensure secure, seamless connection to their remote access platform. With increasing demands such as remote work, secure supplier access, and traditional VPNs, traditional standard Internet routes posed risks in latency, scalability and especially data security.

Their key goals included:

- Systematic reduction of attack surface to secure critical infrastructure.
- Reducing exposure to cyber threats from untrusted Internet paths.
- Avoiding latency issues when accessing real-time operational systems.
- Reducing package loss compared to transmitting via the Internet.



The solution

EKT AG deployed Anapaya GATE, a SCION-based solution, to establish reliable and verifiable connections between remote users and their remote access platform. Using the Swiss Isolation Domain, EKT AG ensures that only domestic users will be able to connect to the access infrastructure, whereas it's completely hidden to regular Internet users.

The solution provides SCION connectivity with high assurance, ensuring uninterrupted access to sensitive infrastructure, limited to users in a well-known geographical area.

The set-up

To enable secure and controlled access for remote employees and field engineers, the following architecture was deployed:



Anapaya EDGE at EKT AG

Anapaya EDGE acts as a network access point, connecting EKT AG's internal systems to the SCION network.



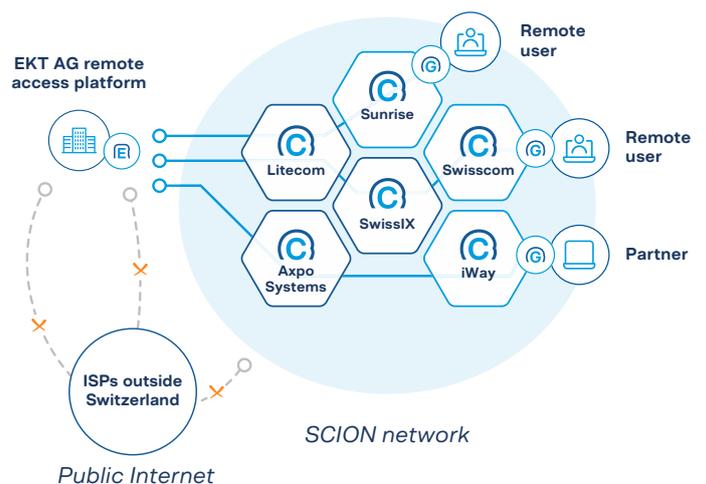
Remote worker set-up with Anapaya GATE

Thanks to Anapaya GATE, only remote employees located in Switzerland can connect to the remote access platform – tremendously reducing the attack surface.



Visibility and control via Anapaya CONSOLE

All path selections, throughput, latency, and jitter are logged and visible via Anapaya CONSOLE. With Anapaya CONSOLE, EKT AG administrators can set policies to restrict access by region, time or service path.



Legend

- Anapaya EDGE
- Anapaya GATE
- Anapaya CORE

The outcome

Secure access



Remote workers now access critical infrastructure over a trusted, identity-bound SCION path – eliminating reliance on insecure Internet routing.

Improved performance



Noticeable latency reduction and improved system responsiveness for remote operators.

Reduced risk

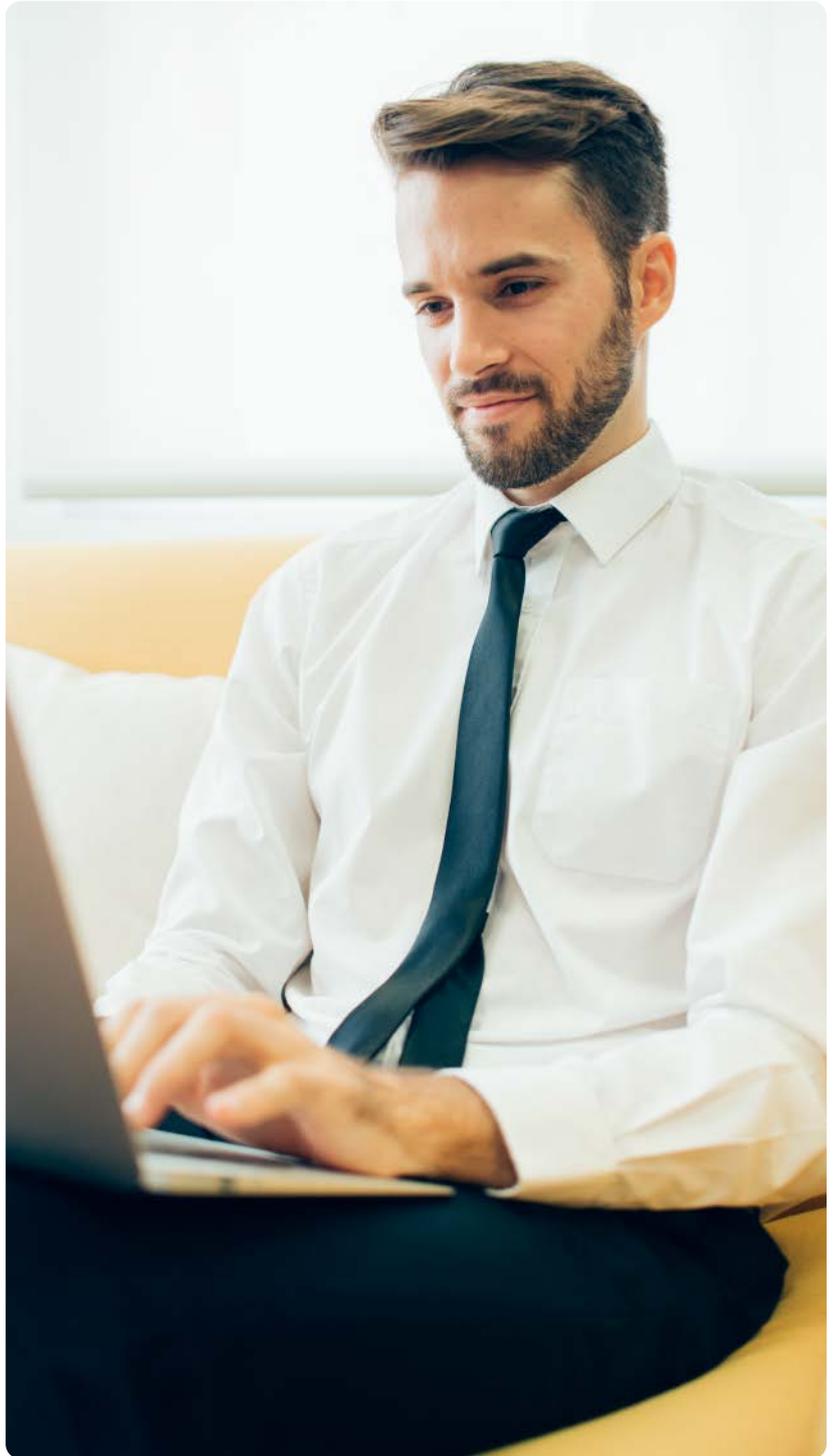


Attack surface minimized by avoiding exposure to untrusted networks.

Scalability



Flexible onboarding for new partners and regions without compromising governance.



[Download the Digital tips for improving VPNs](#)

Have questions? Contact us at team@anapaya.net