

Swisscom and the Next Era of Secure Connectivity

SCION DAY 2026 – Global Edition, October 27, 2026

Orlando Spitale, Field CTO B2B Telco

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ELEVATING SECURE COMMUNICATION

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1990s - 2010s - The Private Network Age

Connectivity was Security



The model was simple:

- Applications were private.
- Networks were private.
- Trust was implicit.

The Internet was largely avoided for critical business traffic.

The network itself formed the security perimeter.

If you were connected to the corporate WAN, you were trusted.

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2010s - 2020s - The Cloud & Internet Age

Put everything on the Internet

As companies moved everything onto the internet, they also dramatically increased their exposure.

Where is my data?

Who controls my traffic?

Can I trust the paths across the internet?

Why should critical business assets be visible on the public internet at all?

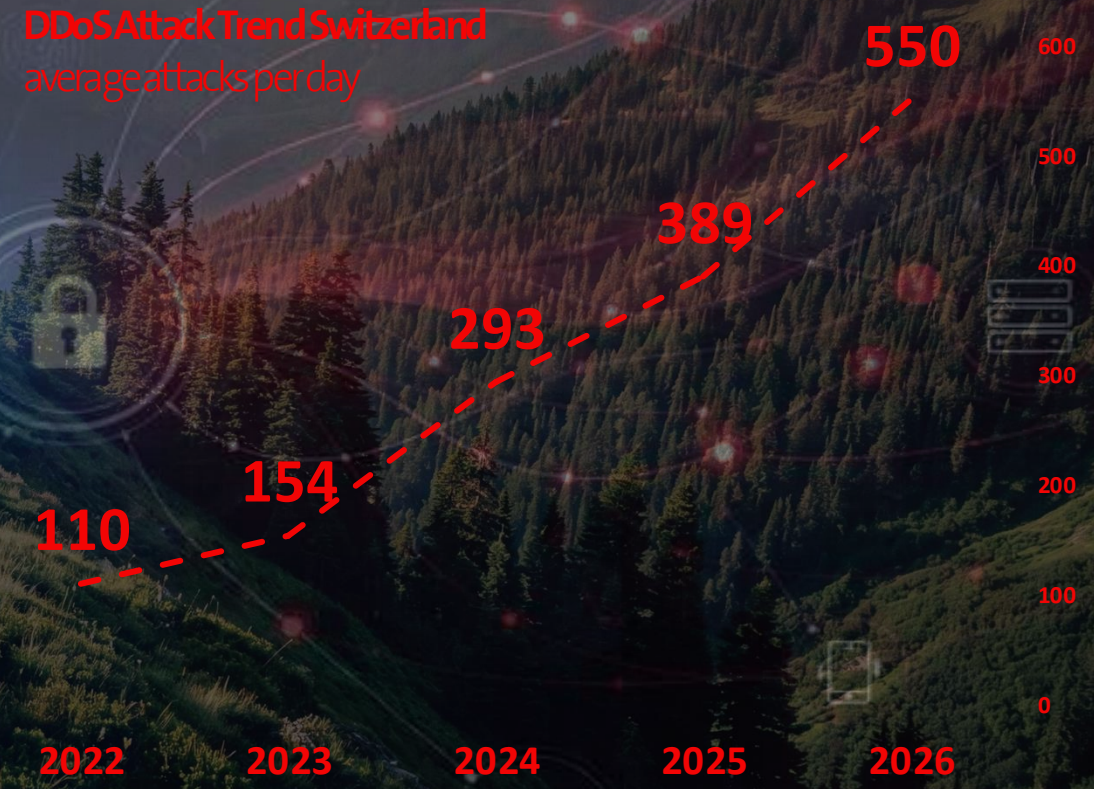
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Today - The Security & Sovereignty Age

The Internet is no longer trusted by default

One in ten Swiss SMEs has already fallen victim to a cyberattack.

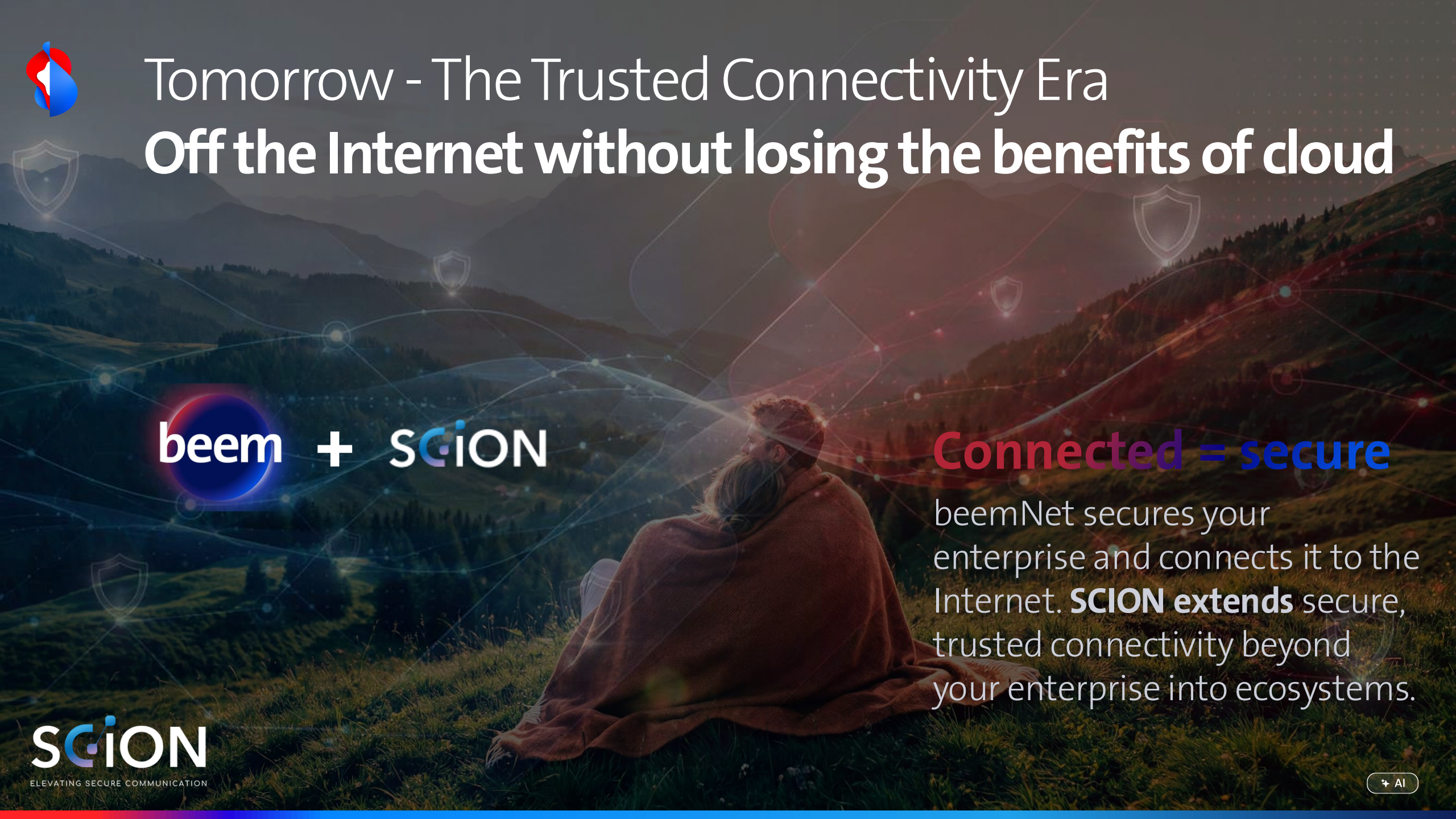


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Tomorrow - The Trusted Connectivity Era

Off the Internet without losing the benefits of cloud



beem + SCION

Connected = secure

beemNet secures your enterprise and connects it to the Internet. **SCION extends** secure, trusted connectivity beyond your enterprise into ecosystems.

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SEPN (Secure EFTPOS Network)
The way to secure cashless payments



Swisscom is driving the evolution towards trusted digital ecosystems with SCION as a key catalyst. And the transformation starts at home: **Swisscom has adopted SEPN for its own shops.**

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SEPN (Secure EFTPOS Network)
From Vision to Reality



2024 - Started as Vision for the retail payment industry
2025 - Founded, Built and Initiated Go-Live in August
2026 - Migrated more than 15 Key Players until today

Operating already at Scale with:
- More than **20’000 payment terminals**
- Processing **1.5 billion transactions per year**
- Transferring **75 billion CHF per year**

SEPN Secure EFTPOS Network Association
WORLDLINE
SBB CFF FFS
coop
TWINT
swisscom

AI

Yesterday, we connected locations.
Today, we connect clouds.
Tomorrow, we connect *trust*.



Let’s continue the conversation:

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