



## Use Case 1

### A Swiss company communicating across its own Swiss locations, exchange of critical data

Swisscom's SD-WAN offerings provide the needed flexibility and agility to answer the network demands of today's cloudified application landscape, for example:

- Flexibility and agility in managing WAN locations
- Various levels of availability (from cost efficient best effort up to 100% availability across physically separated networks)
- Wide range of services such as WAN, (pseudo wire) LAN, security, encryption or advanced voice services

The above-mentioned additional requirements, that cannot so easily be addressed by SD-WAN, do not play a role in such a single provider network:

- BGP hijacking can occur at the boundaries of ISP, i.e. when the IP traffic is crossing between different ISP involved in the network path. A not applicable scenario, as no network boundaries are crossed.
- The need for spanning a cross-company or cross-organizational communication network does also not exist in this example
- Link-outage can be addressed by means of dual access and/or dual network configurations in active-active mode, which guarantees a high availability.

In such a straightforward networking example, SCION does not provide relevant additional benefits. Critical data can be SD-WAN encrypted end-to-end and advanced, built-in firewall functionality provides protection against threats from the public internet domains.

