



SCION: The trusted Internet for critical infrastructure

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The Internet - the most powerful, most used, most attacked, fastest growing network – for critical applications

- ▶ *Internet keeps growing at an ever-increasing pace while attacks are getting easier & cheaper to execute*

- ▶ *With lack of alternatives, critical infrastructures have become dependent on the Internet*

Cyberattack on American Water: A warning to critical infrastructure

By IBM

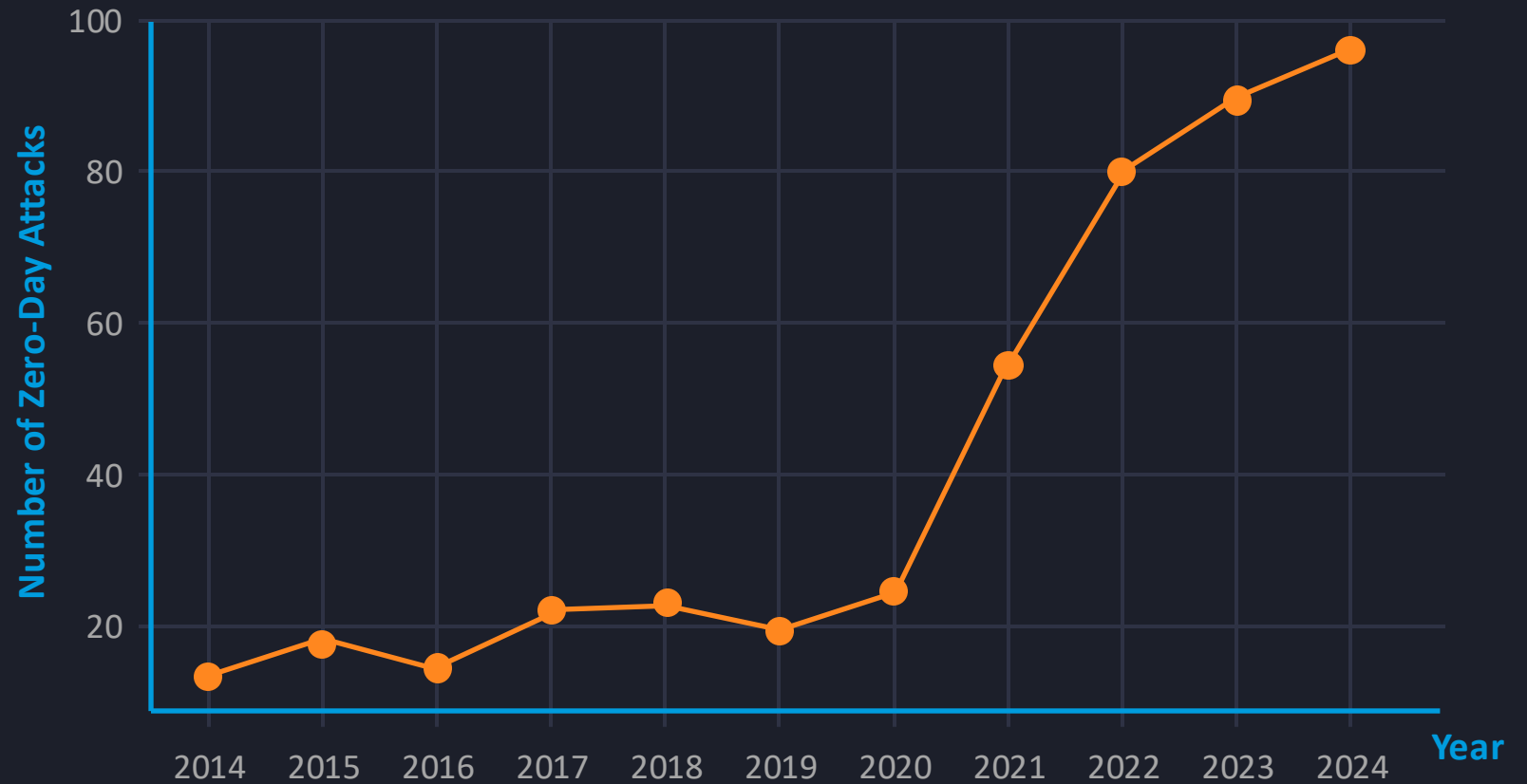


"Water and wastewater systems suffer from chronic underfunding, legacy infrastructure and an expanding attack surface."

Zero-day attacks have been increasing in frequency

The Internet eats itself...

Reported Worldwide Zero-Day Attacks (2014-2024)



Major cyberattacks in 2025

- ▶ DigiD disrupted in a DDoS campaign (Netherlands, March 2025)
- ▶ Bremanger dam sabotage (Norway, April 2025)
- ▶ Utility online payment system (Adyen) DDoS attack (EU impact, April 2025)

Daily 2,000 – 4,000 attacks: Poland outlines scale of cyber threat

Written by
EUToday Correspondents
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"Poland had identified 170,000 cyber incidents in the first three quarters of the year, with a significant share linked to Russian actors and the remainder largely financially motivated."

Krzysztof Gawkowski
Poland's Minister of Digital Affairs

A powerful new network for utilities

Led by the Association of Swiss Electricity Companies (VSE) the Secure Swiss Utility Network (SSUN) will connect utility companies under a multi-provider network powered by SCION.

SSUN powered by SCION

- Single network that is available to all utilities in Switzerland
- Critical services are separated from public internet and business/IT networks
- SCION enabled redundant connectivity where sites can be connected in dual-provider setup
- Network can be leveraged for future use cases between organizations

