



Telenor Connexion

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PTS IPv6-forum

telenor IoT

TOP RATED

IoT PROVIDER

20+ years experience

Specialized IoT portfolio within Telenor Group

>20 million IoT Sim cards across the world

+24% annual growth since 2009

Top IoT operator in Europe*

Top IoT operator worldwide*

* Berg Insight, 2023

LEADER

IN GLOBAL MANAGED IoT SERVICES

Global managed IoT connectivity services and expert support to companies of all sizes.



GLOBAL

IoT COVERAGE

Access to 500+ networks globally

Connecting devices in 200+ countries



TELENOR GROUP

SCANDINAVIAN AND ASIAN LEADER

158 million subscribers worldwide

14 000 employees globally

10 billion USD in revenues, 2022



SCANDINAVIAN HERITAGE

GLOBAL IoT ORGANISATION

HQ and tech center in Sweden, sales representation in the Nordics, US, Germany, UK, South Africa, Japan, China, Singapore, Korea, Thailand and Malaysia.



Sensitivity: Confidential

TRUSTED

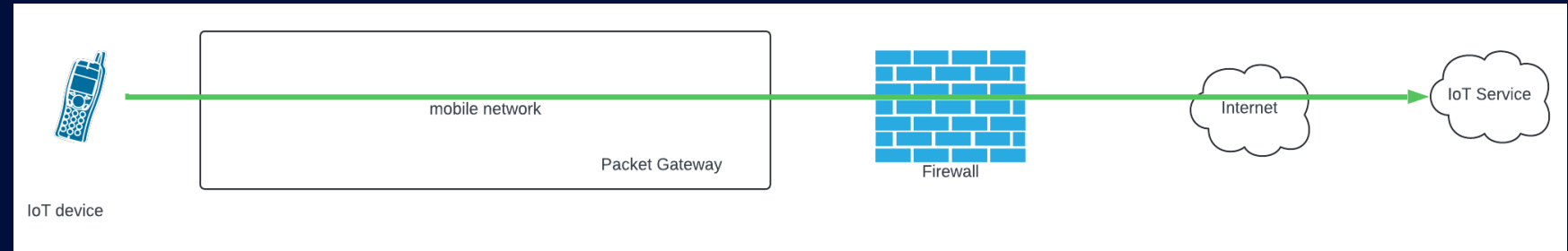
BY WORLD LEADERS



Three common solutions used by our customers

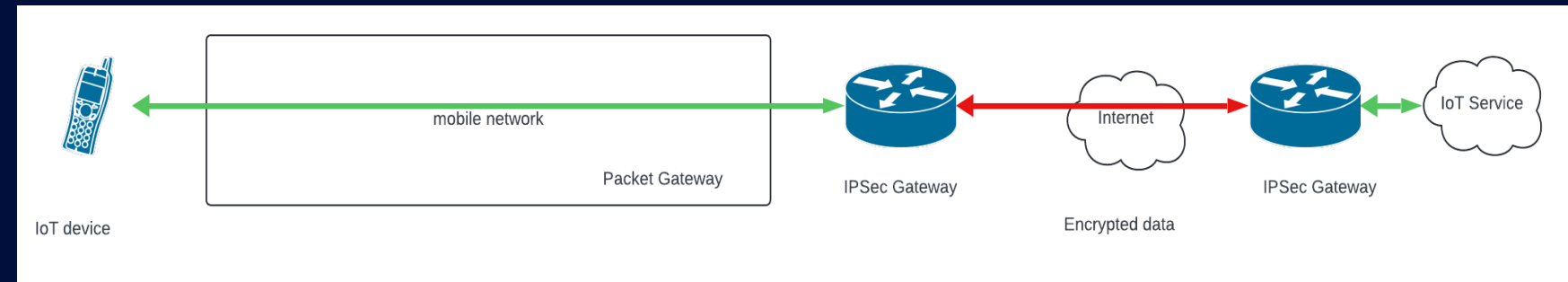
1. NAT (Network Address Translate)

- The firewall does NAT on traffic and stops incoming traffic from the Internet



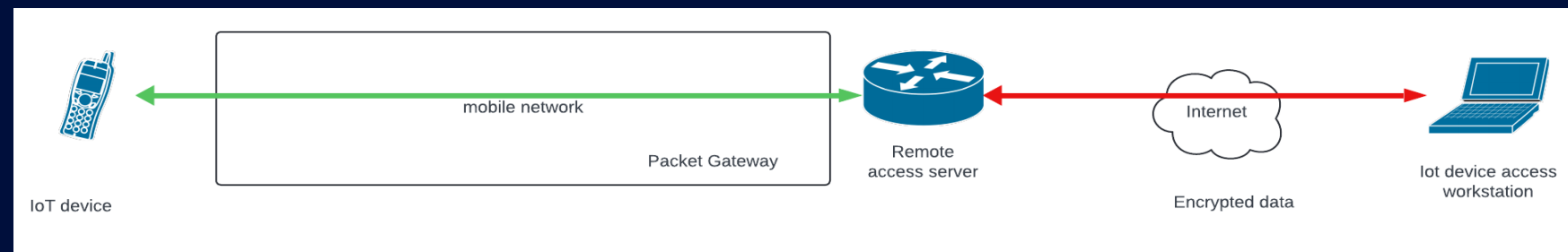
2. IPSec VPN or leased line

- Traffic doesn't go out onto the Internet and is thus protected
- Traffic can pass unimpeded both to and from the IoT unit



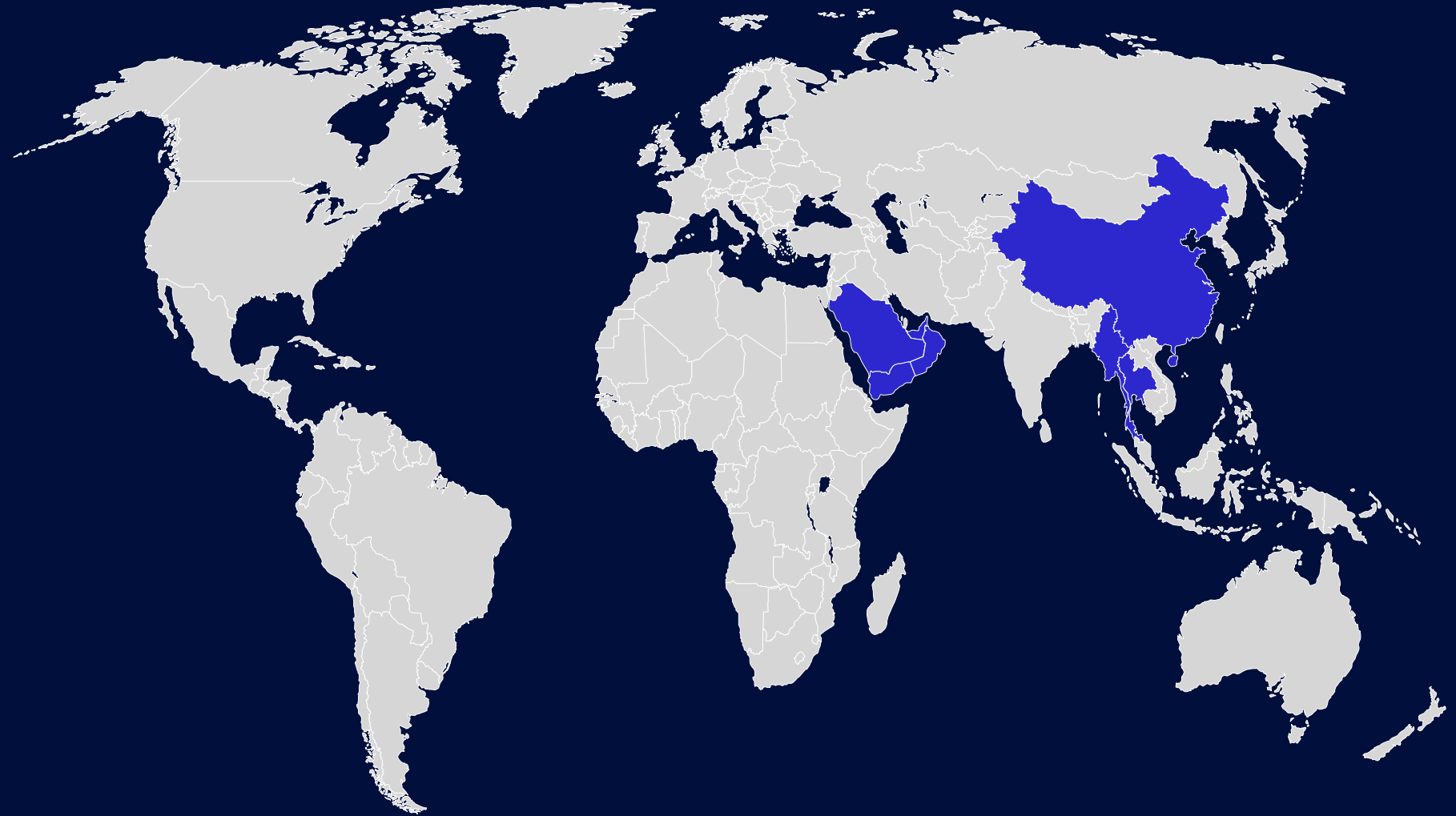
3. Remote access through VPN

- Users connect an OpenVPN towards Telenor Connexion to reach their IoT units.
- Traffic goes protected onto the Internet
- Traffic can pass unimpeded both to and from the IoT unit



Regional difference in uptake

- Larger demand in Middle East and Asia
- Regulators are more keen to ensure usage of IPv6 due to transparency in certain countries
- IPv6 is supported by almost all operators worldwide, exceptions in remote geographies and legacy technology, i.e. 2G





Summary

- IPv6 is used sparingly by our customers, mostly for testing
- Limited demand of IPv6 specifically, IPv4 and NAT seems to be working well for now
- No specific technical obstacles to use IPv6
- Regional differences in IPv6 demand
- Not suitable to leave IoT units exposed on the Internet