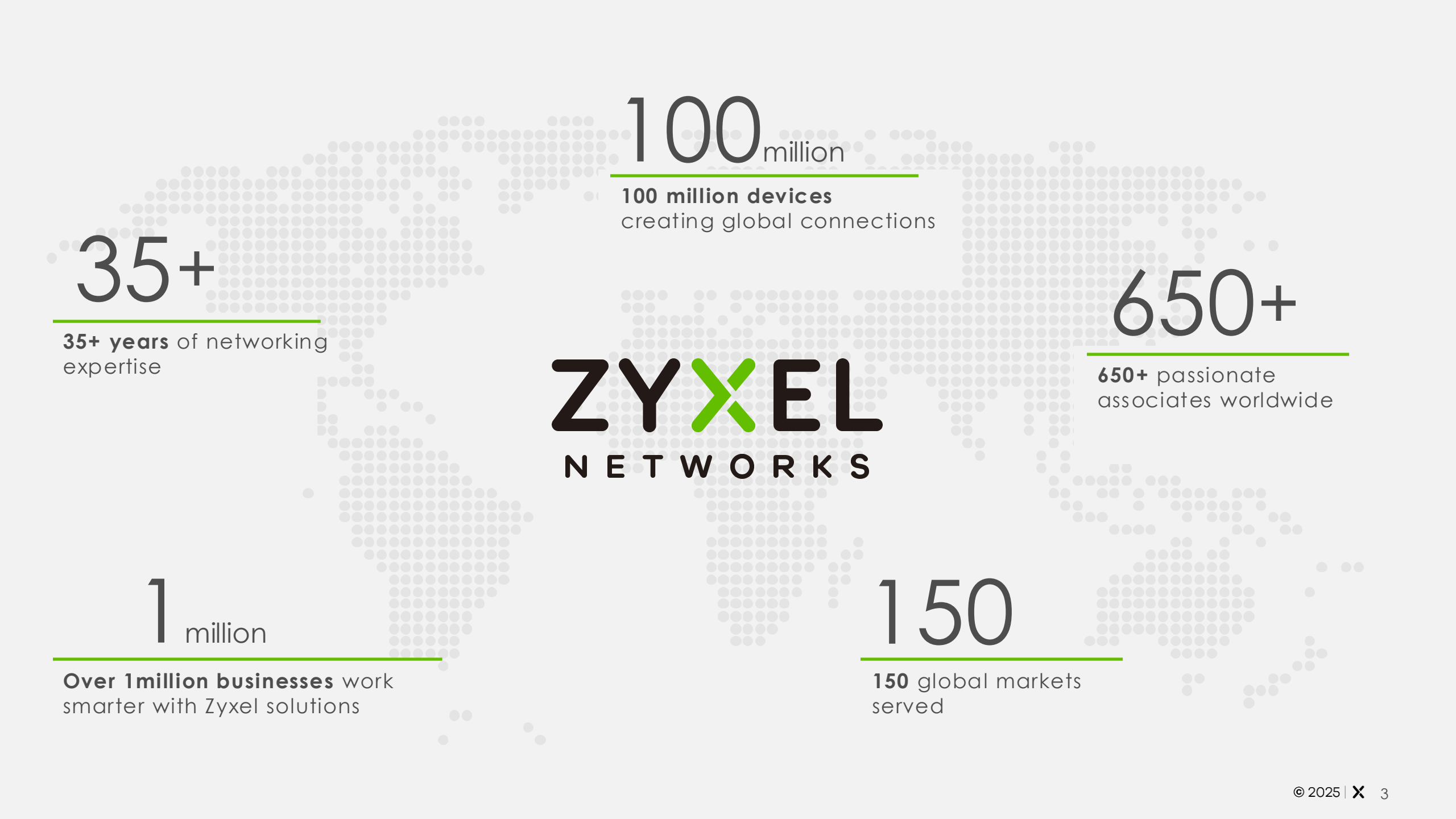




hello, we are
zyxel networks.





35+

35+ years of networking
expertise

100 million

100 million devices
creating global connections

650+

650+ passionate
associates worldwide

ZYXEL
NETWORKS

1 million

Over 1 million businesses work
smarter with Zyxel solutions

150

150 global markets
served

ZYXEL NETWORKS

B2B Cloud, Security, Wired
& Wireless Connectivity

MitraStar
Networking Design &
Manufacture Service



Cyber defense service
Cyber attack prevention services



ZYXEL
COMMUNICATIONS

Telco service provider (ISP)
networking business

ARDOMUS
IoT IP gateways & solutions

XSquare
Communications
5G Solutions

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supporting over 130 connectivity devices. hello nebula.



WIFI

- Fastest WiFi 7 AP 22Gbps
- Fastest WiFi 7 (2x2) 11Gbps
- Adaptive Smart Antenna Tech.
- RF first design
- Security Features on AP
- mGig support 2.5/5/10G
- WiFi 6, 6E and 7 Models



Switching

- PoE Switching (up to 940W)
- PoE++ (uPoE) 60W per Port
- Wide range of mGig / 10GbE
- Vertical Features (AVoIP, CCTV, Hospitality)



Cybersecurity

- 3x Ranges of Cybersecurity
- Up to 15Gbps throughput
- mGig & 10G support
- PoE Support
- Up to 15Gbps throughput
- Compressive Security Reporting



5G

- PoE outdoor models
- mGig support
- Up to 4.6Gbps (D)
- Ultra-low latency





Hard Realities

Leider ein Gerücht!

Die Absolutheit?



Darf ich vorstellen?

Die Cybersecurity Zwiebel





Warum ein Schichtensystem?

- Diverse Angriffs-Vektoren
 - Extern
 - Intern
- Automatisierte Prozesse & manuelle Filter
 - IDP
 - IPS
 - CDR
 - Security Policies
 - Zero Trust
- Kosten/Nutzen Faktor entgegen Angreifer



Externe Vektoren

- Uneingeschränkte Offene Ports
 - HTTPS
 - SSH
 - etc.
- CVEs
 - Zero-Day
- User
- Etc.

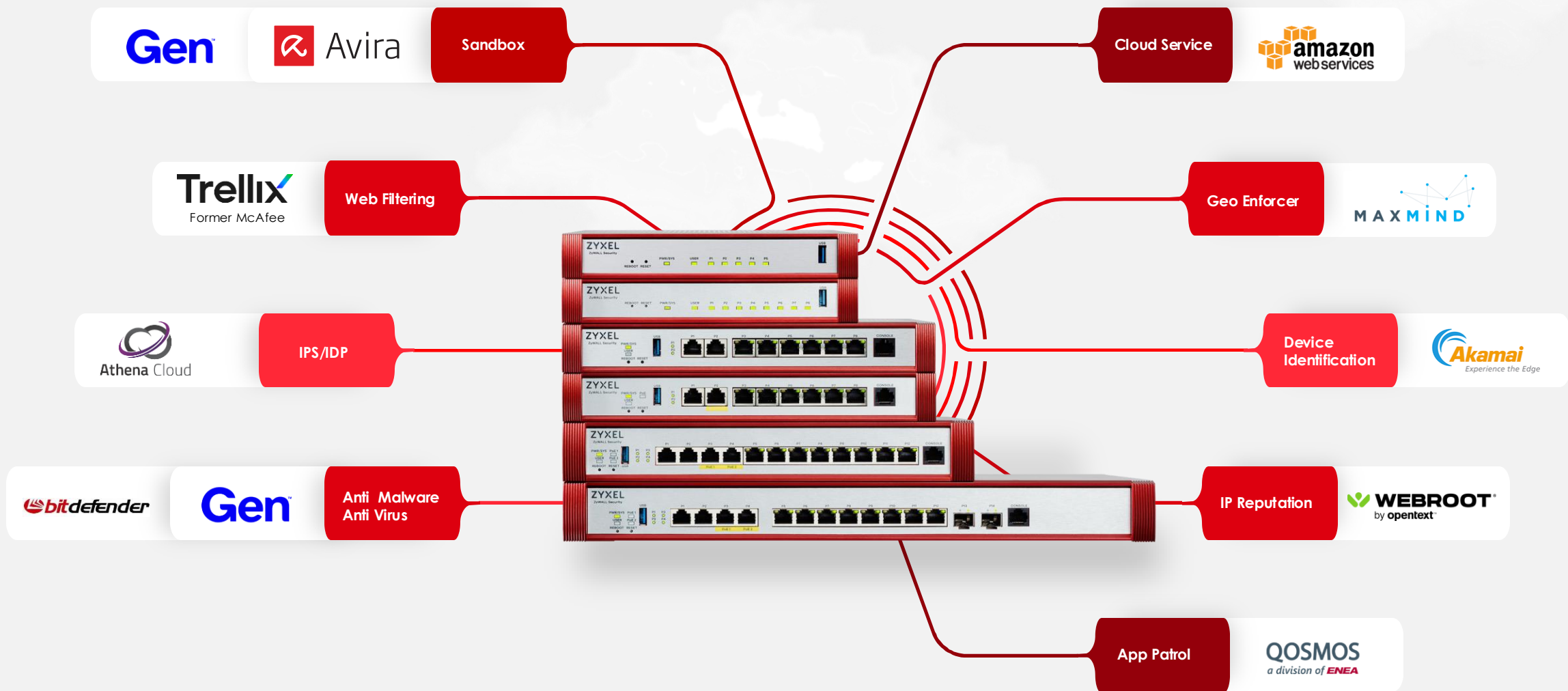


Interne Vektoren

- Switche
 - Uneingeschränkte Offene Hardware Ports
- Ungesicherte Wlan Netze
 - Open
 - Gastnetze ohne Isolierung
- Konfigurationsfehler
 - VLAN Routing
 - Zonen
 - User Berechtigungen

Externe Vektoren:

- Zero Trust
- Eingeschränktes NAT & Port Forwarding
- Nutzer Gebundenes Firewalling
- Nutzer Authentifizierung für externe Zugriffe
 - zBsp. VPN
 - IKE
 - Tailscale
 - Etc.
- UTM





Lösungen

Interne Vektoren:

- Keine Standard Kennwörter
 - Auch nicht 12345 ;)
 - Wlan Kennwort
 - WPA3 (>=WiFi6)
 - WPA-Enterprise (interne Netzwerke)
 - Radius/AD/Client-Zertifikat
 - Gast Netz / VLAN
 - Layer 2 Isolierung
 - Port Security / Authentication
 - Dynamic VLAN
 - Guest VLAN
- Email
 - SMS
 - TOPT (zBsp. ReinerSCT)
 - The Netze on ...



Hard Realities – Die Zweite

Genügend Kriminelle Energie knackt jede Sicherheit

Je höher der Aufwand ...

... umso attraktiver wird der Nachbar als Angriffsziel

Jährliche Betriebskosten Auto: ~1 500€ (Je nach Modell & Fahrweise)

Wieso sparen an Firmensicherheit?



work smarter, not harder



Offene Runde

... jetzt sind Sie dran

