

Hi,  
we're  
**ZYXEL**



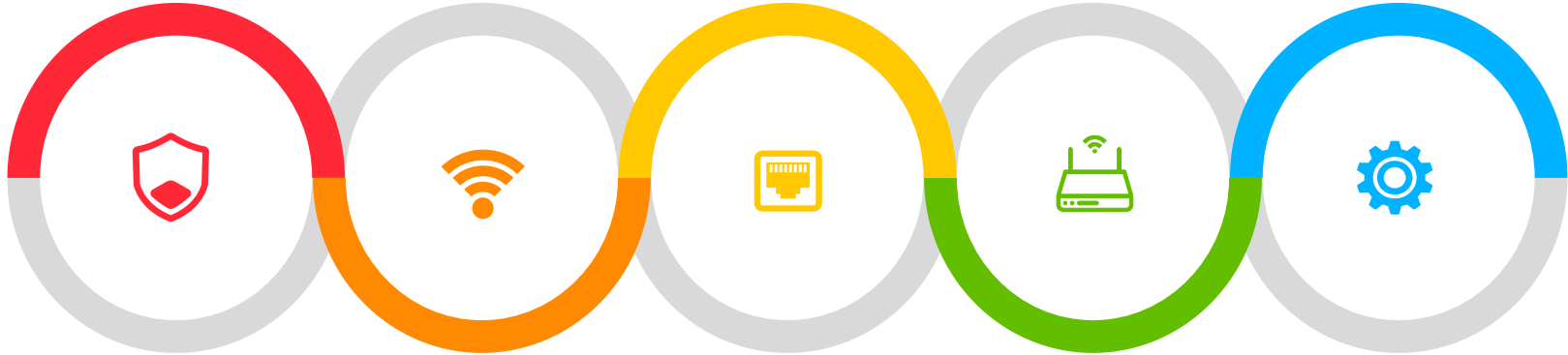
Frank Studerus  
CEO Studerus AG

# 5 challenges with Wireless

- Management concept
- Typical challenges in locations
- Site survey?
- Pick the right AP
- VoIP over WLAN and Wifi Calling



## Comprehensive commercial portfolios



### Security Appliances

Device that provide; UTM features as well as traditional firewall features.

### Wireless LAN

Standalone Access Points to fully manageable wireless solutions.

### LAN Switches

Unmanaged, to cloud managed and Fully managed switches.

### Gateways

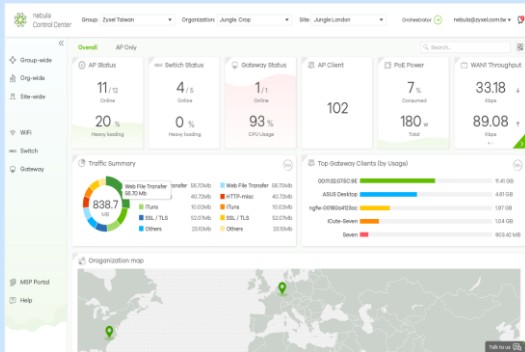
Small Business Gateways, Routers and LTE.

### Network Management

Software / Cloud and protocol based solutions to help you manage your network.

# Management Concept

## Nebula Cloud



## HW controller



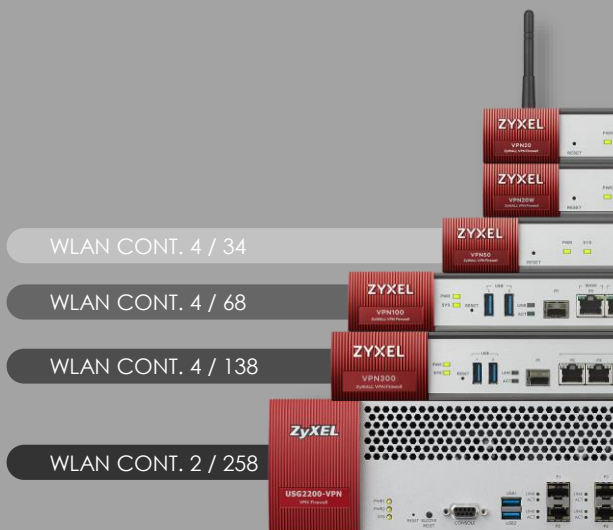
## Stand alone



# All-in-one Wireless Controllers

## VPN Series

Includes wireless controller



WLAN CONT. 4 / 34

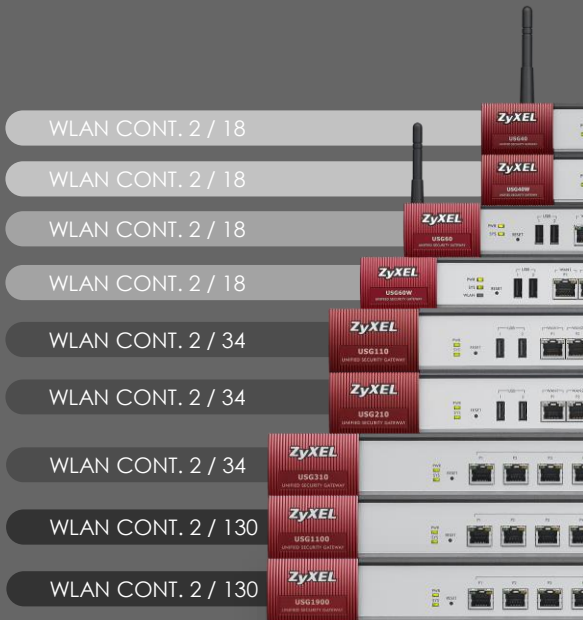
WLAN CONT. 4 / 68

WLAN CONT. 4 / 138

WLAN CONT. 2 / 258

## USG Series

Includes wireless controller



WLAN CONT. 2 / 18

WLAN CONT. 2 / 18

WLAN CONT. 2 / 18

WLAN CONT. 2 / 18

WLAN CONT. 2 / 34

WLAN CONT. 2 / 34

WLAN CONT. 2 / 34

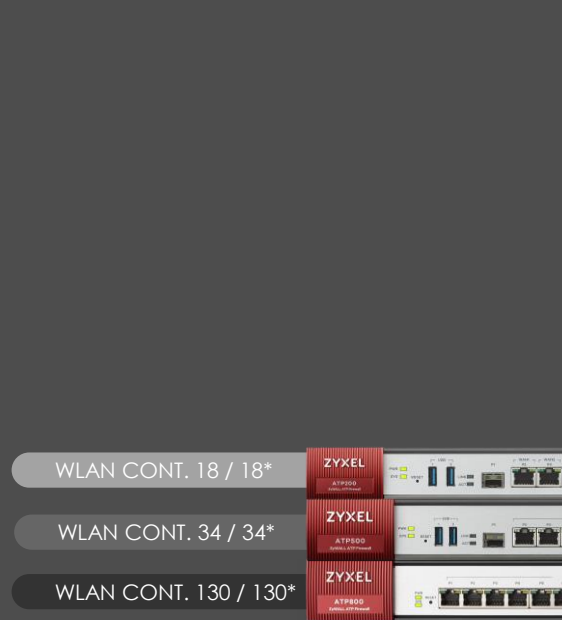
WLAN CONT. 2 / 130

WLAN CONT. 2 / 130

## ATP Series

Includes wireless controller

**NEW**



WLAN CONT. 18 / 18\*

WLAN CONT. 34 / 34\*

WLAN CONT. 130 / 130\*

\*ATP Devices are bundled with 1-year of Gold Security Pack license by default. Without Gold Security Pack you are only able to manage 2 APs.



Organisation/Multi-Site administration.

hello network health.

hello nebula.



Overview status of devices on individual sites within an organisation.

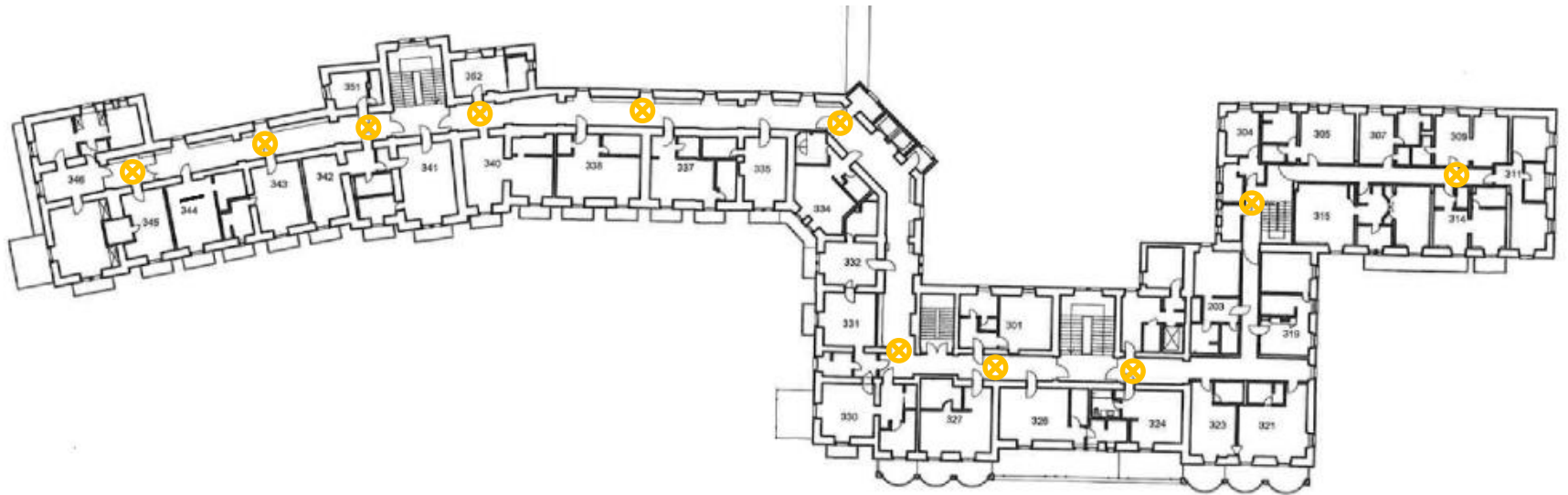


Search for Devices.



Real-time application traffic summary.\*

# Hotel dont!



# Hotel dont! 2.4 GHz

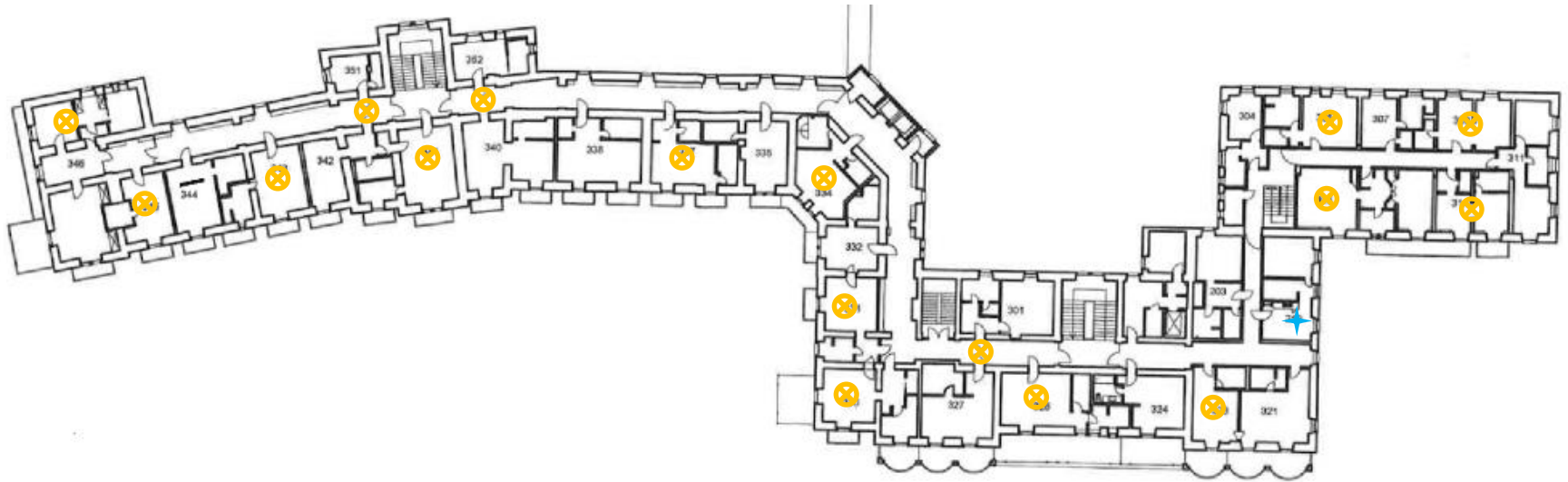




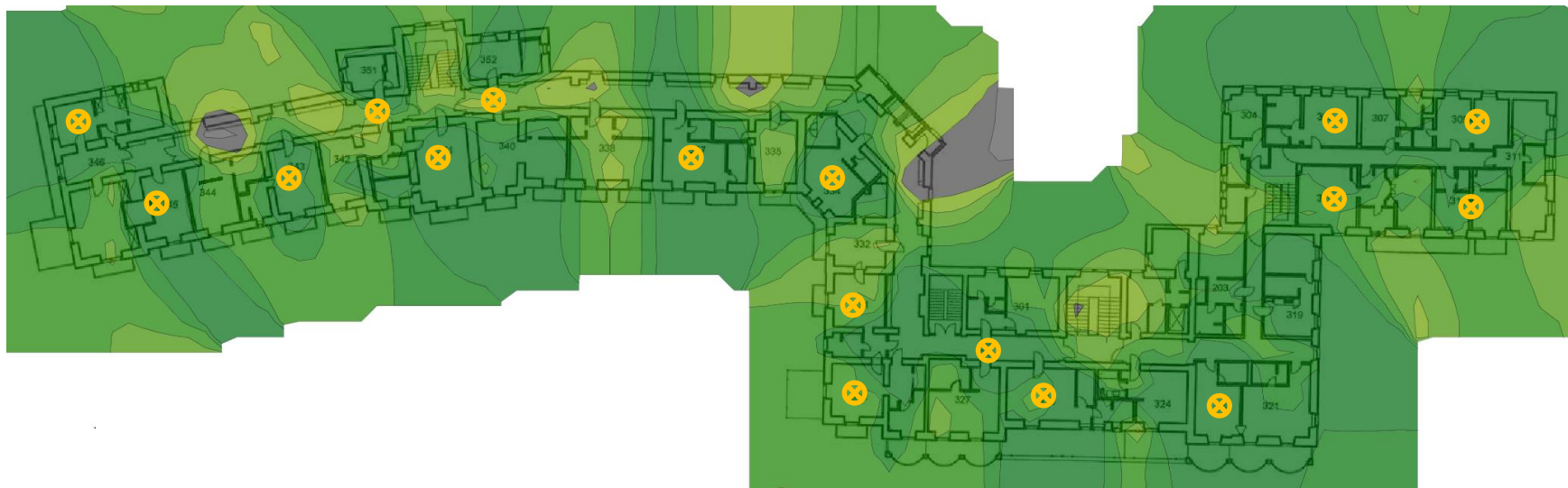
# Hotel dont! 5 GHz



# Hotel do!



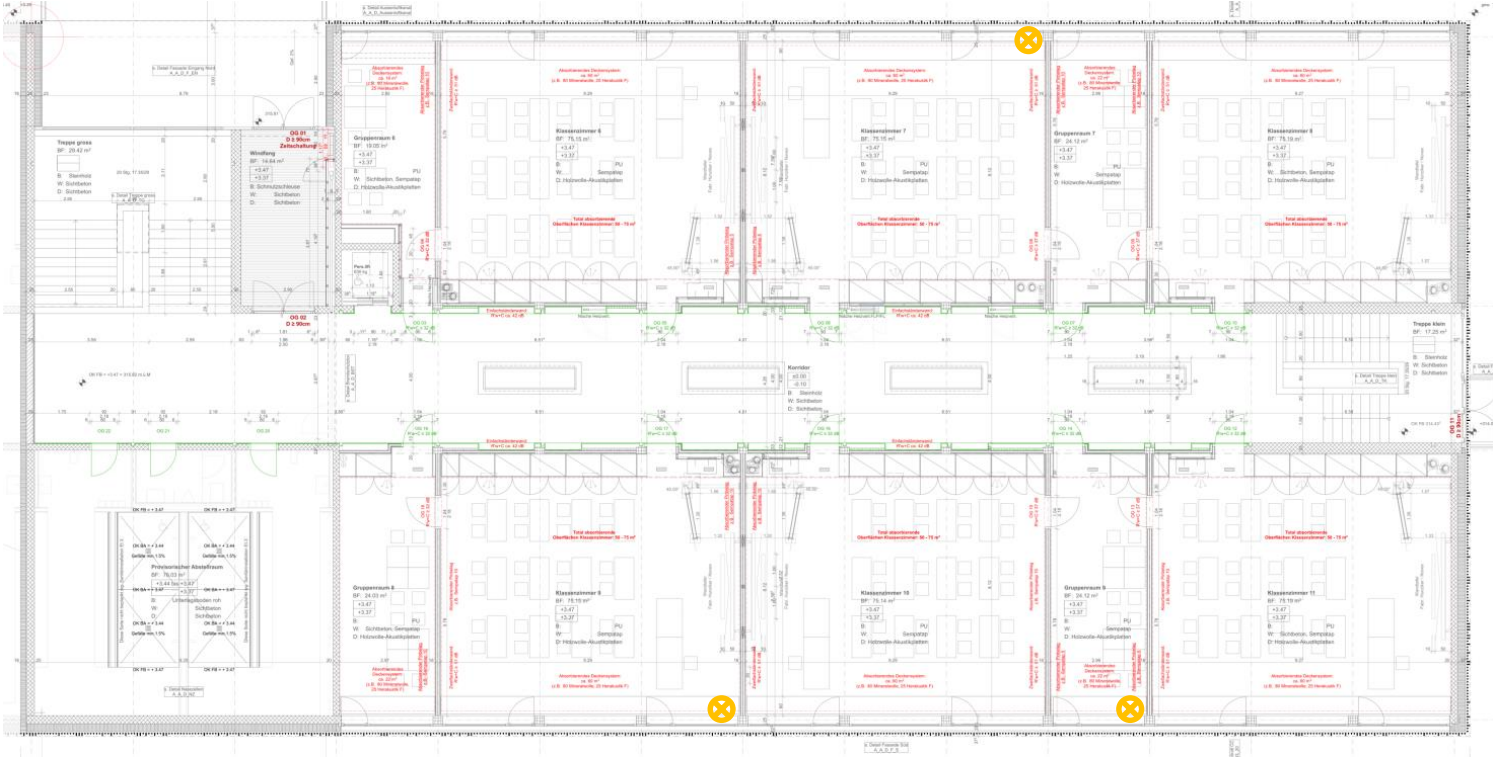
# Hotel do! 2.4 GHz



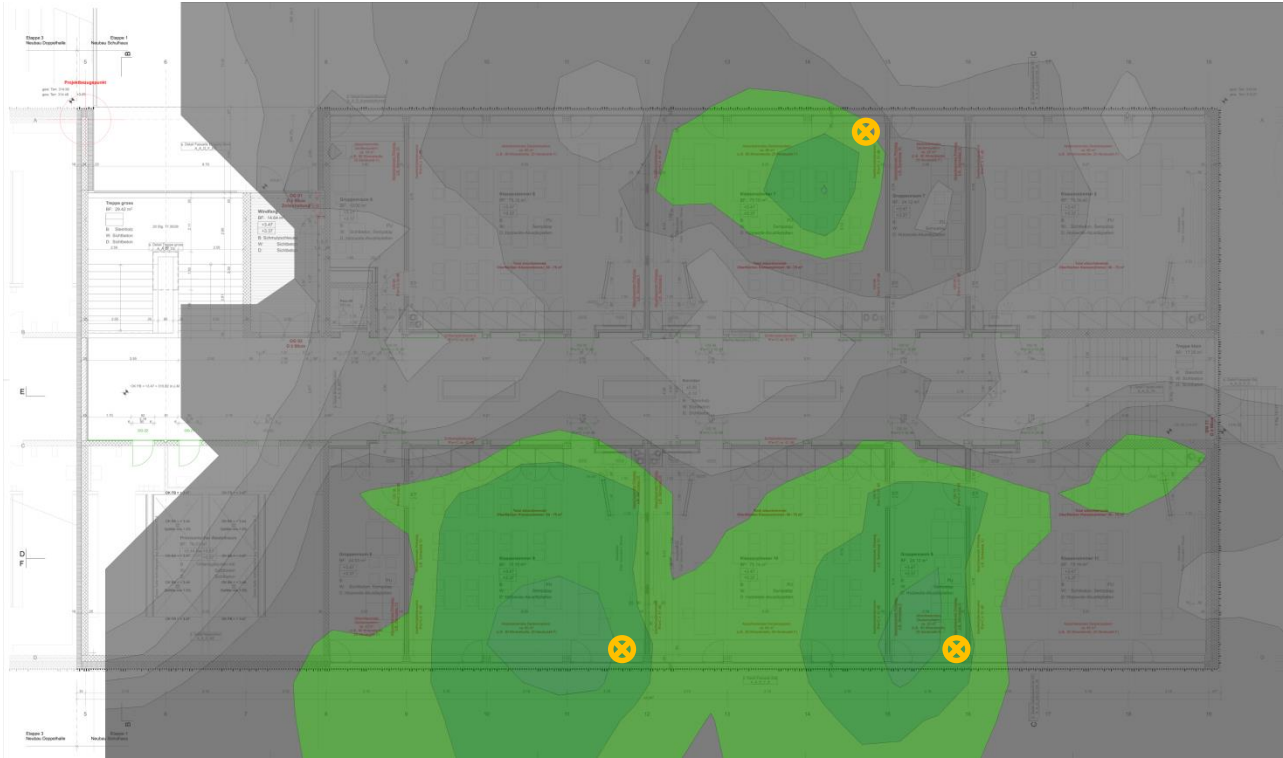
# Hotel do! 5 GHz



# School dont!

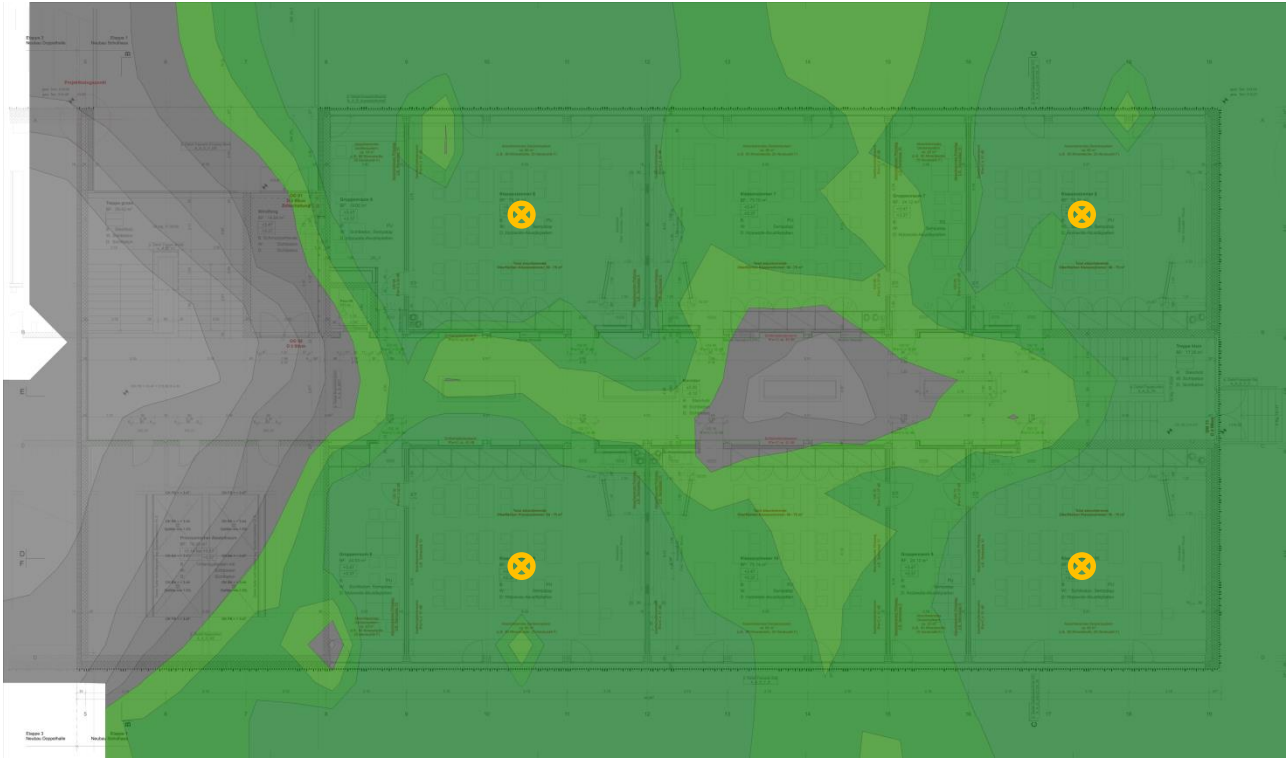


# School dont! 2.4 GHz





# School do! 2.4 GHz





# WLAN services



new WLAN installation

new WLAN installation

existing WLAN

on place

from plan

on place

# WLAN services

	Etude de site WiFi sur site		Simulation WiFi		Audit WiFi	
Domaine d'application	nouvelles installations WiFi		nouvelles installations WiFi		installations WiFi existantes	
Mesures	sur site		sur plan		sur site	
Check-list nécessaire	✓		✓		✓	
Visite sur site	✓		-		✓	
Etablissement d'une offre	✓		✓		sur demande du client	
Rapport	sur la base des valeurs pratiques		sur la base des données du plan		solution individuelle	
Surface du bâtiment	Small < 2'500 m <sup>2</sup>	Medium < 10'000 m <sup>2</sup>	Small < 2'500 m <sup>2</sup>	Medium < 10'000 m <sup>2</sup>	Small < 2'500 m <sup>2</sup>	Medium < 10'000 m <sup>2</sup>
Canton de Zurich	CHF 1'190.–	CHF 1'890.–	CHF 710.–	CHF 1'070.–	CHF 710.–	CHF 930.–
130 km*	CHF 1'420.–	CHF 2'040.–			CHF 870.–	CHF 1'070.–
Toute la Suisse/FL	CHF 1'620.–	CHF 2'240.–			CHF 1'080.–	CHF 1'280.–

\* distance de parcours de Schwerzenbach < 130 km

# Business Class Access Points

SMB / Partner / MSP

## NWA5123-AC

UNIFIED PRO



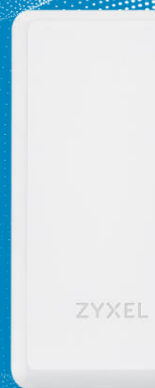
## NWA5123AC HD

NEBULAFLEX PRO



## WAC5302D-S

UNIFIED PRO



## WAC6103D-I

UNIFIED PRO



- **Spatial Streams:**  
2x2
- **Speed:**  
1.16Gbps
- **Antenna:**  
Internal SU-MIMO
- **WiFi Standard:**  
802.11ac
- **Associations\* :**  
128

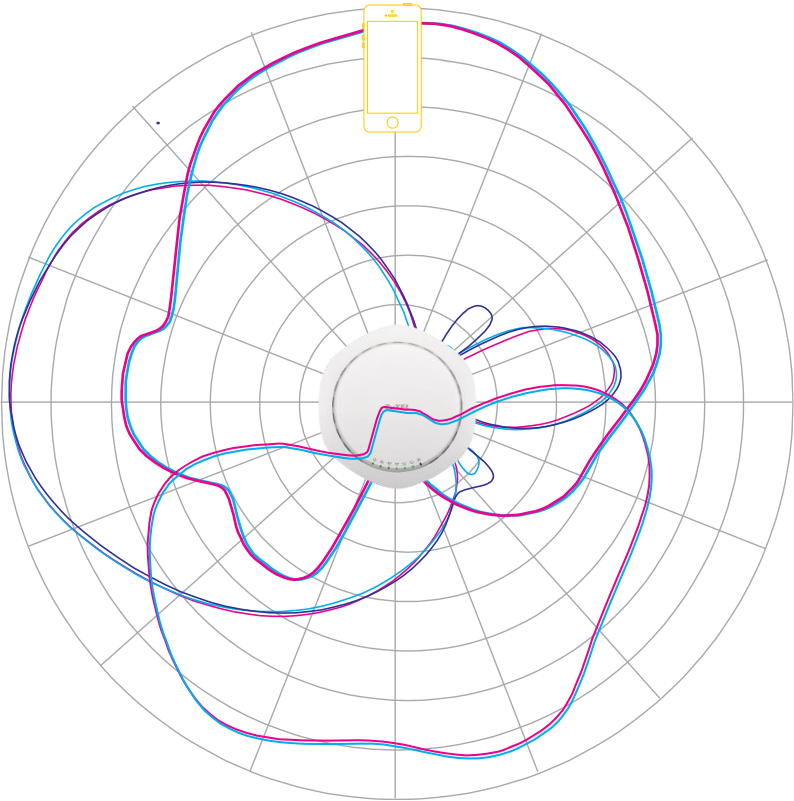
- **Spatial Streams:**  
3x3 (2x2, 3x3)
- **Speed:**  
1.6Gbps
- **Antenna:**  
Internal MU-MIMO
- **WiFi Standard:**  
802.11ac Wave2
- **Associations\* :**  
256

- **Spatial Streams:**  
2x2
- **Speed:**  
1.2Gbps
- **Antenna:**  
Dynamic Smart Ant. SU-MIMO
- **WiFi Standard:**  
802.11ac
- **Associations\* :**  
128

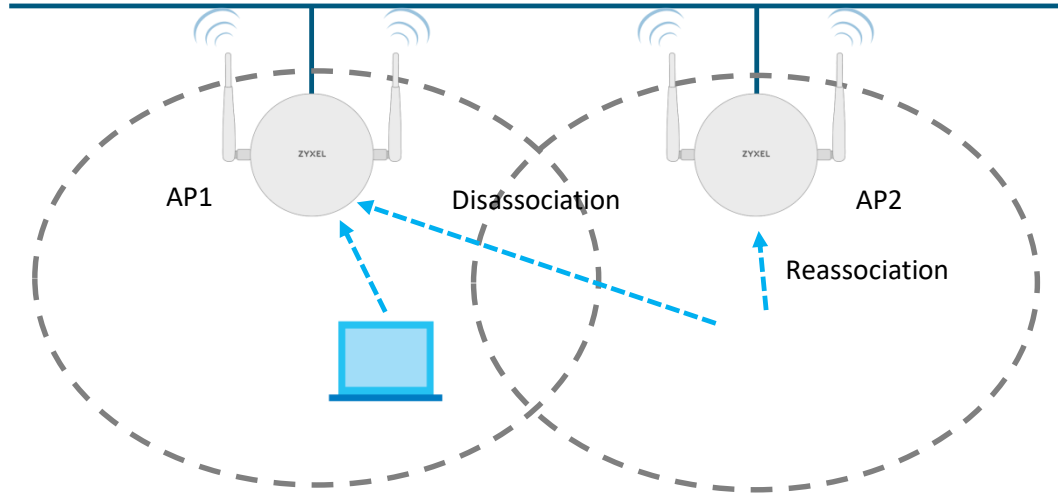
- **Spatial Streams:**  
3x3
- **Speed:**  
1.75Gbps
- **Antenna:**  
Internal Optimized SU-MIMO
- **WiFi Standard:**  
802.11ac
- **Associations\* :**  
256

\*: maximum concurrent supported devices (stations)

# Smart Antenna



# VoIP over WIFI

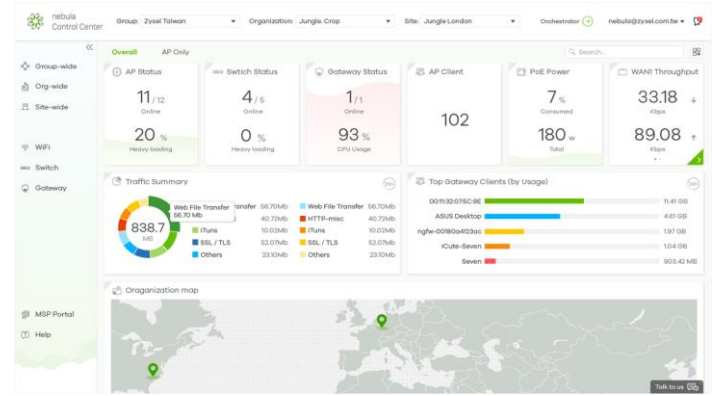


# WiFi Calling



# ZYXEL

Your Networking Ally



**ZYXEL**

Your Networking Ally