

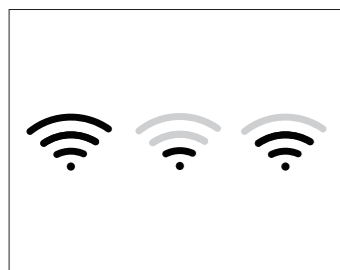


AIWAXIS AI-Powered Enterprise WLAN Solution

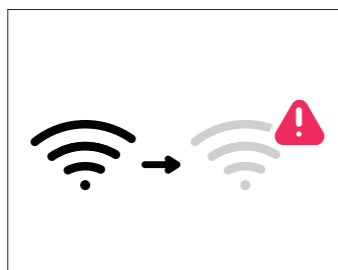
Smarter Insight. Seamless Uptime.

Common Pain Points with Warehouse Wi-Fi

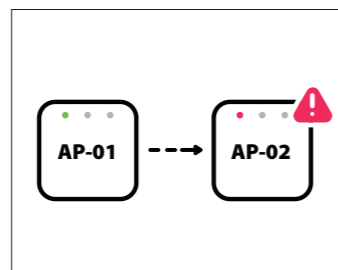
In warehouse environments with metal structures and limited space, signal planning and deployment present significant challenges. At the same time, enterprises require stable connectivity to support real-time analysis of cargo and equipment status, while ensuring seamless roaming for mobile devices. To meet diverse network management needs, the system must provide on-premises data hosting and a flexible management architecture, along with API integration to enable end-to-end real-time collaborative monitoring.



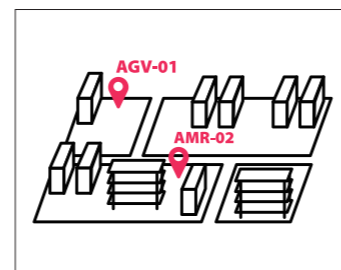
Fluctuating Signals



Random Disconnections



Interrupted Handoffs While Roaming



Lack of Client Location

AIWAXIS AI-Powered Enterprise WLAN Solution

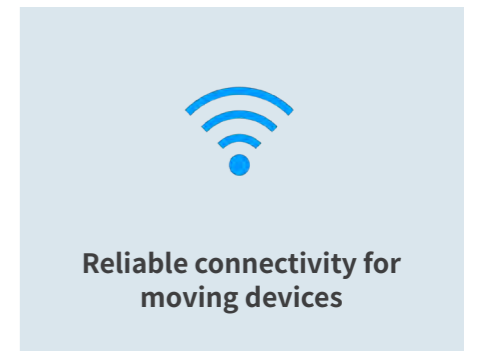


AI + Wireless AXIS



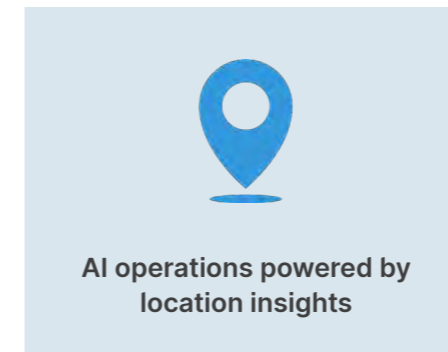
Multi-level wireless planning for warehouses

Deploy it right the first time — and avoid costly rework later.



Reliable connectivity for moving devices

Fewer robot slowdowns, and fewer “sticky client” issues.



AI operations powered by location insights

As equipment moves, roaming is smoother, and load balancing is more precise.



Integrated monitoring & visualization

Full visibility into network operations.



An open ecosystem for IT/OT integration

Seamless integration with WMS/MES/SCADA/IoT platforms

AIWAXIS leverages AI technology to enable seamless roaming, load balancing, and network condition prediction, ensuring stable connectivity and real-time transmission even in high-interference or high-speed mobile environments.

Enterprise-Grade Wireless Solutions for IoT Integration

AIWAXIS AI-powered Enterprise WLAN Solution offers flexible and reliable wireless networking features that satisfy enterprise interactive IoT application needs, equipped with real-time network monitoring, indoor location services, and cloud-based remote management functionality.



Applications



Smart Factory

- Design floor plans and manage Wi-Fi configurations
- Customize AP placement density according to coverage area needs
- Wi-Fi client location insight and seamless connectivity



Warehouse Automation

- Multi-layer heatmaps with customizable height settings
- Comprehensive Wi-Fi coverage visualization
- Real-time location insight edge clients



AR/MR

- AI-Powered controller with advanced performance optimization and load balancing
- Custom scenario-based API integration

AIWAXIS Delivers Visible, Reliable, and Stable Connectivity.



Smart Manufacturing

Intelligent Load Balancing

AIWAXIS intelligently monitors traffic, signal, and location to automatically steer devices to the best access point—ensuring low latency, no congestion, and always-on performance.

Location Insights

AIWAXIS track mobile devices in real time, pinpoint exactly where and when a connection dropped, or replay movement paths to uncover coverage blind spots.



Automated Warehouse

Proactive Roaming

AIWAXIS anticipates AGV and AMR movement, seamlessly handing off connections to the next access point in milliseconds—before signal drops can even occur.

Multi-layer Heatmaps

AIWAXIS simulates and visualizes Wi-Fi coverage across multiple layers, ensuring accurate signal planning in complex environments like high-rack warehouses.

AI Powered WLAN



Flexible Centralized Management

AIWAXIS's cloud-native platform supports on-premises deployment, hybrid cloud hosting, and virtual machine environments—offering the flexibility to meet your performance and security needs.

Location Insights

Location intelligence simultaneously monitors multiple Wi-Fi clients and tracks objects in real-time, providing comprehensive visibility into asset movement and positioning across your facility.

AI-Driven Handoff & Load Balance

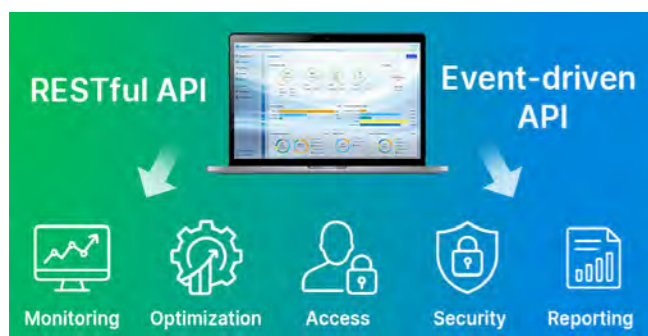
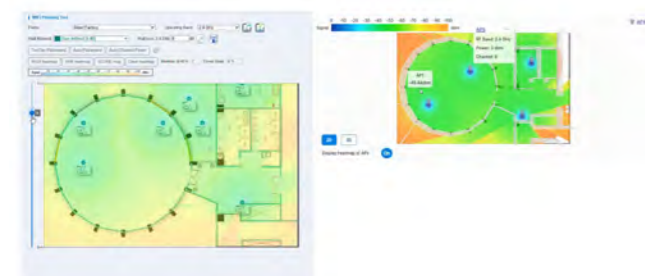
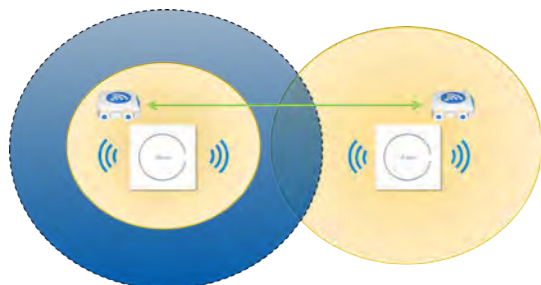
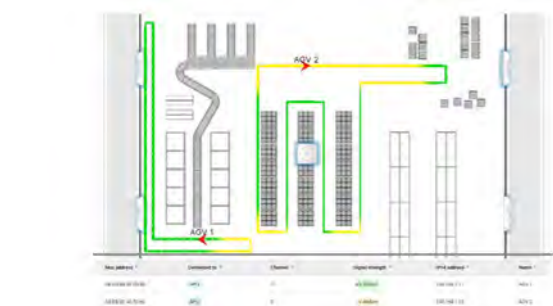
AIWAXIS uses real-time client location insights to optimize AP handoff and load balancing, preventing congestion and improving performance, while simplifying post-deployment tuning and troubleshooting.

Multilayer Heatmaps

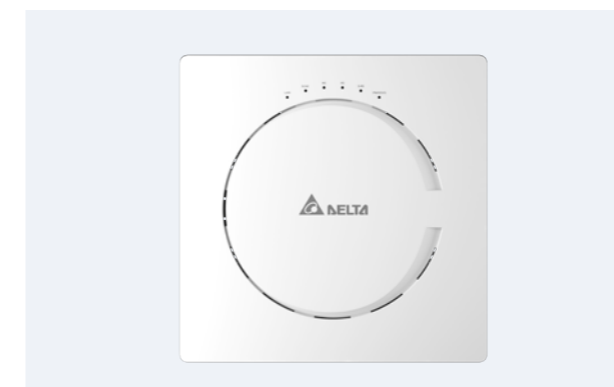
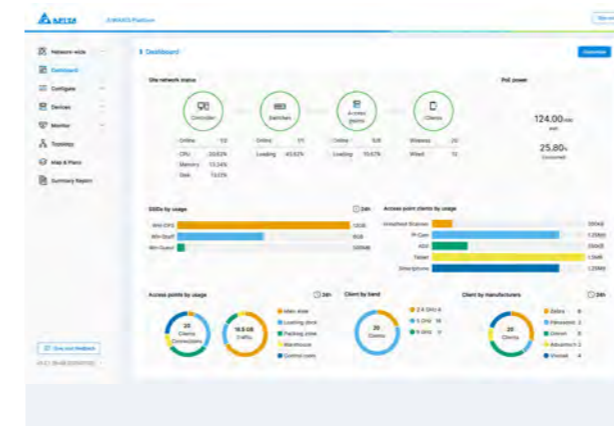
Multi-layer heatmaps show you the ideal location for every access point, ensuring ideal Wi-Fi coverage even in challenging high-rack warehouse environments.

Scenario-Based API

Delta AIWAXIS offers open API ecosystem based on customer scenario-specific requirements.



AIWAXIS Product Family



AI-Powered Wireless Planning

- Intelligent network design with one-click AP configuration, channel assignment, and power optimization
- Supports multi-layer heatmap analysis for high-rack warehouse environments
- Provides visual representation of comprehensive Wi-Fi coverage

AI-Powered Centralized Management

- AI-Driven Network Optimization Based on Wi-Fi Client Location
- Achieve network automation with built-in advanced performance tuning and load balancing mechanisms
- Integrate network operations and configuration through a one-stop AIWAXIS platform

Wi-Fi 7 Tri-band 4 x 4 Indoor AP

- Dedicated scanning radio for smarter roaming
- Tri-band aggregate throughput up to 20 Gbps
- Supports 4 x 4, 2.4 GHz, 5 GHz, and 6 GHz bands 320 MHz enables peak throughput
- Multi-Link Operation, 4K QAM and preamble puncturing for higher capacity, lower latency and reliable connectivity
- Dual-port 10 Gbps multi-gigabit Ethernet ports
- Supports PoE, compliant with IEEE 802.3bt/at
- Supports WPA2/WPA3 and 802.1X

Wi-Fi 6E Indoor AP

- Dedicated scanning radio for smarter roaming
- Tri-band aggregate throughput up to 4 Gbps
- Supports 2 x 2, 2.4 GHz, 5 GHz, and 6 GHz bands
- Dual-port 2.5 Gbps multi-gig Ethernet ports
- Supports PoE, compliant with IEEE 802.3at
- Supports WPA2/WPA3 and 802.1X

Product Specifications

Network Management System

Model	AIWAXIS Platform
SOFTWARE FEATURE	
AI-Powered Optimization	<ul style="list-style-type: none"> AP outage detection and self-adjusting mechanism AP channel & radio influence optimization based on AP location AP bandwidth selection based on AP loading AP/Wi-Fi Client load balancing Wi-Fi Client proactive roaming
Location Insight	<ul style="list-style-type: none"> Location-based value-added service
Operation Optimized	<ul style="list-style-type: none"> Zero-touch provisioning Software high availability-N+1
Network Monitoring	<ul style="list-style-type: none"> Real-time network statistics Topology AP load and memory monitoring PoE Switch load and power consumption monitoring Controller load and memory monitoring
Access Points Management	<ul style="list-style-type: none"> Self-provisioning of Access points Automatic channel distribution Dynamic VLAN Tagging Remote firmware upgrade and support scheduling Mass remote firmware upgrade
Client Management	<ul style="list-style-type: none"> Client policy-blacklist when 802.1x authentication fails External captive portal with RADIUS Built-in captive portal
Open API	<ul style="list-style-type: none"> Scenario-based API
Account Management	<ul style="list-style-type: none"> Multi-tenancy, MSP model License management
Wi-Fi Planner (Add-on Service)	<ul style="list-style-type: none"> Wi-Fi AP Auto placement with 2.4G, 5G, 6GHz Wi-Fi Planning by different needs of secondary coverage/customer's scenario-based coverage/Wi-Fi capacity Support multi-layer shuttle rack AP placement Auto AP channel and power placement Simulation with heatmap and SNR Customizable web reporting document Export planning configuration to the AIWAXIS Management platform

AIWAXIS Virtual Controller Technical Specifications

Number of devices	Specifications
Up to 200 access points	CPU: 8 cores Memory: 32 GB Disk: 1TB
Up to 500 access points	CPU: 12 cores Memory: 32 GB Disk: 2TB
Up to 1000 access points	CPU: 16 cores Memory: 64 GB Disk: 4TB
Up to 4000 access points	CPU: 64 cores Memory: 256 GB Disk: 16TB
Up to 8000 access points	CPU: 128 cores Memory: 512 GB Disk: 32TB

Number of devices	Specifications
VMware®	ESXi 8.0 or above
Microsoft Hyper-V	Windows Server 2016/2019/2022/2025
KVM	Ubuntu 22.04.2 LTS, Kernel 5.15.0, QEMU 6.2.0

All specifications are subject to change without prior notice.

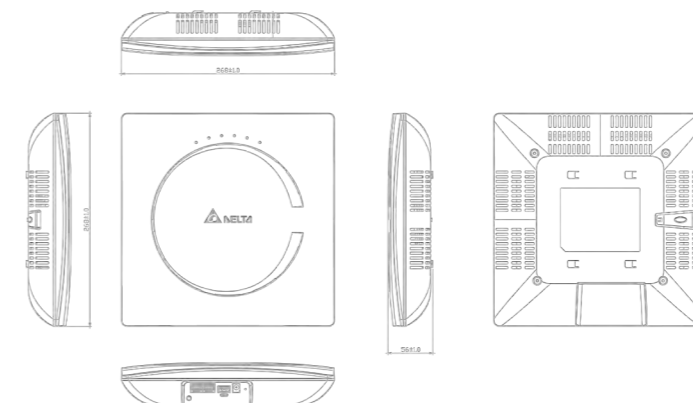
AP-623E Wi-Fi 6E Indoor AP

Model	AIWAXIS AP-623E
Transmit Power ⁽¹⁾	2.4 GHz: +17 dBm 5 GHz: +18 dBm 6 GHz: +16 dBm
Antenna Gain (Built-in)	2.4 GHz ≤ 5.5 dBi 5 GHz ≤ 6 dBi 6 GHz ≤ 8 dBi
INPUT	
Power Input	PoE: IEEE 802.3at DC Jack: DC12V2.5A
Power Consumption	24 Watts
COMMUNICATION INTERFACE	
Management	AIWAXIS Network Management Platform, AP mode
Ethernet Ports	2 x 10/100/1000/2.5G BASE-T
Wi-Fi Standard	IEEE 802.11 a/b/g/n/ac/ax
Data Rates	2.4 GHz: up to 574Mbps (11ax, 1024QAM, HE40) 5 GHz: up to 1201Mbps (11ax, 1024QAM, HE80) 6 GHz: up to 2402Mbps (11ax, 1024QAM, HE160)
Channel Width	20/40/80/160 MHz
SSID Per Radio	16
Max Clients Per Radio	256
Radio	Multiple SSID Controller-based Channel Selection Transmit Power Adjustment Rogue AP Detection AP Security
AP Security	Personal: Open; WPA; WPA2; WPA3; WPA/WPA2; WPA2/WPA3. Enterprise: Open; WPA2; WPA3; WPA2/WPA3.
PHYSICAL	
Dimensions (L x W x D)	267.5 x 267.5 x 56.4 mm
Net Weight	986 g
Enclosure	White, PC
ENVIRONMENT	
Operating Temperature	0 to 45°C
Storage Temperature	-20 to 60°C
ACCESSORIES	
Package Contents	AP-623E x1 Power adapter x1 Wall / T-bar mount x1 Screw kit x1

(1) Maximum transmit power is limited by local regulatory settings

All specifications are subject to change without prior notice.

PRODUCT OUTLINE



Product Specifications

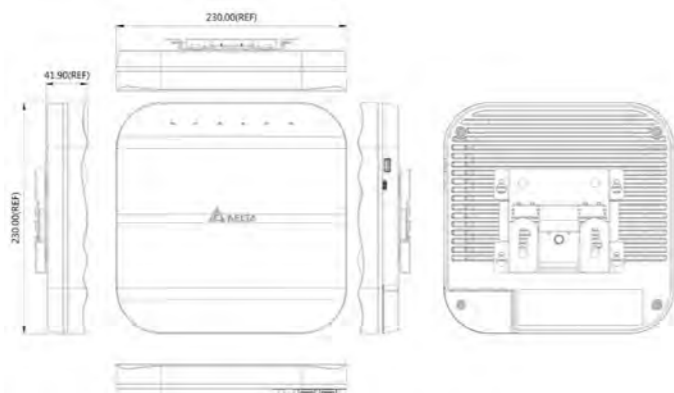
AP-743 Wi-Fi 7 Indoor AP

Model	AIWAXIS AP-743
Transmit Power ⁽¹⁾	2.4 GHz: +17 dBm 5 GHz: +18 dBm 6 GHz: +16 dBm
Antenna Gain (Built-in)	2.4 GHz ≤ 4 dBi 5 GHz ≤ 5 dBi 6 GHz ≤ 5 dBi
INPUT	
Power Input	PoE: IEEE 802.3bt/at DC Jack: DC12V4A
Power Consumption	44 Watts
COMMUNICATION INTERFACE	
Management	AIWAXIS Network Management Platform, AP mode
Ethernet Ports	2 x 100/1000/2.5G/5G/10G BASE-T
Wi-Fi Standard	IEEE 802.11 a/b/g/n/ac/ax/be
Data Rates	2.4 GHz: up to 1376Mbps Mbps (11be, 4096QAM, HE40) 5 GHz: up to 5764Mbps Mbps (11be, 4096QAM, HE160) 6 GHz: up to 2402 Mbps (11be, 4096QAM, HE320)
Channel Width	20/40/80/160/320 MHz
SSID Per Radio	16
Max Clients Per Radio	256
Radio	Multiple SSID Controller-based Channel Selection Transmit Power Adjustment Rogue AP Detection
AP Security	Personal: Open; WPA; WPA2; WPA3; WPA/WPA2; WPA2/WPA3. Enterprise: Open; WPA2; WPA3; WPA2/WPA3.
PHYSICAL	
Dimensions (L x W x D)	230 x 230 x 40.9 mm
Net Weight	<1400 g
Enclosure	White, PC
ENVIRONMENT	
Operating Temperature	0 to 45°C
Storage Temperature	-20 to 60°C
ACCESSORIES	
Package Contents	AP-743 x1 Wall / T-bar mount x1 Screw kit x1

(1) Maximum transmit power is limited by local regulatory settings

All specifications are subject to change without prior notice.

PRODUCT OUTLINE



Ordering Information

Item	Part Number	Description
SOFTWARE		
AIWAXIS Wi-Fi Planner	SOFTWARE PLANNER	Wi-Fi Planning Platform
AIWAXIS Platform and AP Master Controller	SOFTWARE PLATFORM	Supports VMware®, Microsoft Hyper-V, KVM
HARDWARE		
AIWAXIS AP Master Controller Hardware Appliance (One year warranty included)	5042534800	ARK 3533: 150 AP+4,500 Clients
AIWAXIS AP-623E (One-year AP license and warranty included)	5042551900	Wi-Fi 6E indoor enterprise access point
AIWAXIS AP-743 (One-year AP license and warranty included)	TBD	Wi-Fi 7 indoor enterprise access point
24 port Gigabit PoE Switch (One-year warranty included)	5042564300	24 port 10/100/1000 BASE-T with 95W 802.3bt PoE++ managed ethernet switch
AP LICENSE		
AP License and Warranty	SOFTWARE LICENSE	Software and hardware warranty included
ADDITIONAL SERVICE AND WARRANTY		
AP Master Controller Hardware Appliance Warranty	TBD	Software and hardware warranty included
PoE Switch Hardware Appliance Warranty	TBD	Software and hardware warranty included

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About Delta Group

Leading expert in power management and thermal management solutions

Delta, founded in 1971, is a global provider of power and thermal management solutions. Its mission statement, "To provide innovative, clean and energy-efficient solutions for a better tomorrow," focuses on addressing key environmental issues such as global climate change. As an energy-saving solutions provider with core competencies in power electronics and automation, Delta's business categories include Power Electronics, Automation, and Infrastructure.

Delta offers some of the most energy efficient power products in the industry, including switching power supplies with efficiency over 90%, telecom power with up to 98%, and PV inverters with up to 99.2% efficiency. We have also developed the world's first server power supply certified as 80 Plus Titanium.



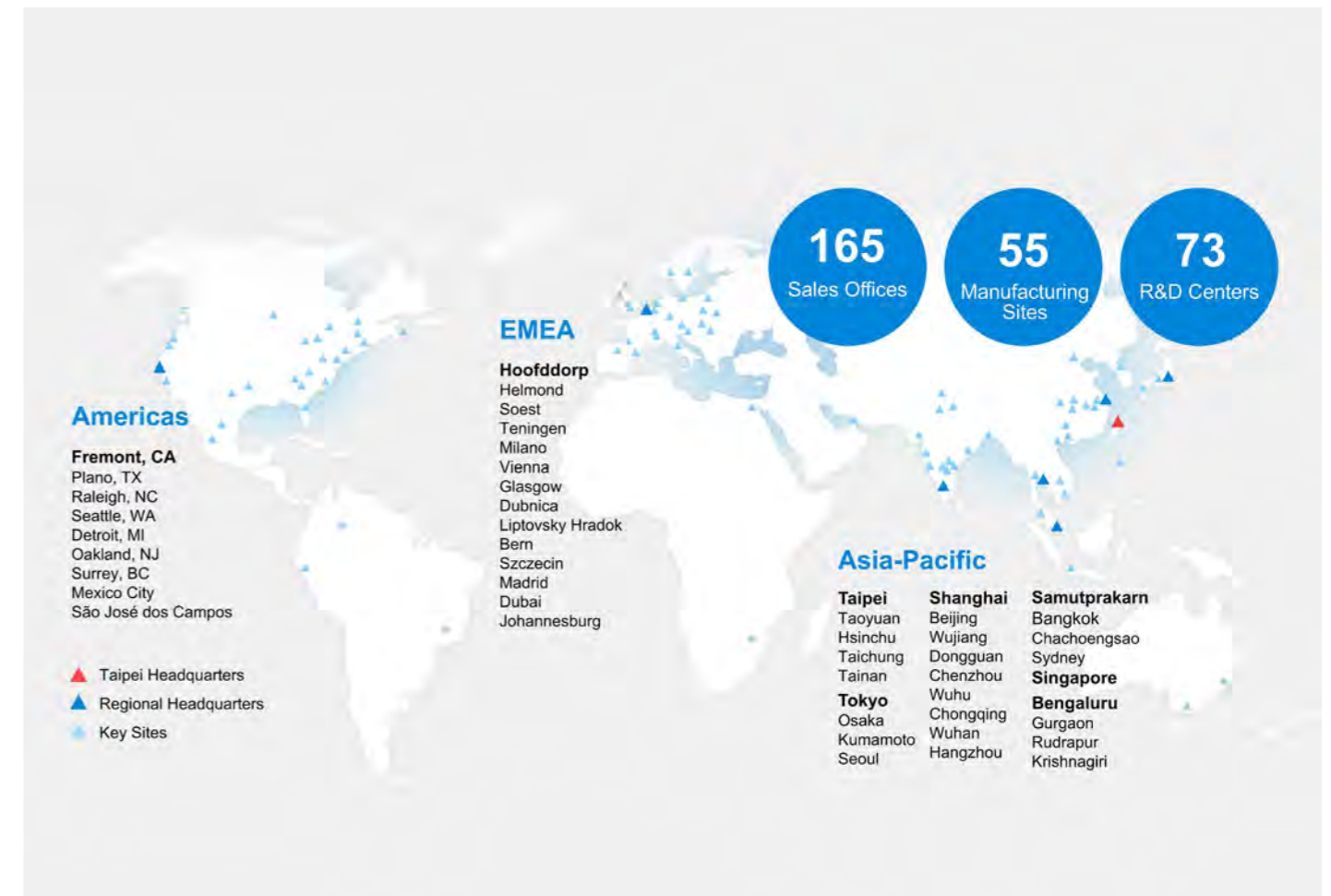
Global Footprint

World's No. 1 in Switching Power Supplies, DC Brushless Fans and Telecom Power Systems.

165 sales offices and **55** manufacturing facilities worldwide.

Over **8%** of annual sales revenues invested in R&D with over **12,000** engineers in **73** R&D centers worldwide.

Awarded over **18,000** patents and received internationally recognized design awards including iF, Reddot, and the Taiwan Excellence awards.





ICT Infrastructure Headquarters

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English



Traditional Chinese