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HUAWEI WLAN Successful Stories

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HUAWEI TECHNOLOGIES CO., LTD.



Weichai Power Chicago Campus

Background & Requirements

- Weichai is a major automotive and equipment manufacturer, which specializes in the research, development, manufacturing, and sales of diesel engines.
- Weichai North America operation and R&D center located in Chicago, the network infrastructure should provide wire access and wireless access, and provide 1GE wire-speed to the desktop and be able to upgrade up to 40 or 100 GE for the massive data processing.

Huawei Solution

Huawei offered a comprehensive and tailor-made solution for Weichai, which provided end-to-end applications and services based on Huawei products with the following outstanding features:

- High reliability and loop-free network.
- High density wireless users access capability and intelligent wireless network.
- Large-capacity and future proof performance campus network.
- IPv4/IPv6 dual stack, smooth evolution for Next-Generation Network.
- The related Products: S9700/S6700/S5700/WLAN.

Benefits

- Huawei provided the necessary infrastructure of networks, Unified Communications and Collaboration (UC&C) and simplified network management. Huawei had resolved the potential compatibility problems come from several vendors, so Weichai only need to focus on their own business.
- Since Huawei equipment is up to 50 percent more power efficient than those offered by other vendors, Weichai made the network a truly green campus network.



De La Salle University, Philippines

Background & Requirement

- De La Salle University is largest conglomerate in Philippines, has 17 campuses in the Philippines, and 85 campuses around the world, the campus where we provide service have 4k students.
- Wireless campus network to cover the teaching building , such as restaurants, sports centers, libraries. Teachers and students can easily use the wireless network to use the library to provide a variety of digital services

Huawei Solution

- **Widespread coverage:** the teaching building, restaurants, sports centers, libraries.
- **Uninterrupted service:** Intra-AC L3-roaming between VLAN.
- **User access security:** WPA2-PSK security
- **High-dense access:** one AP per classroom for 40 students

Benefit

- Centralized management ,easy maintenance
- Quick deployment: 2 weeks, flexible expansion
- High dense access, 3900 +students concurrent access,
- Stable network, high QOS guarantee



Crowley Independent School District in USA

Background & Requirement

- Crowley Independent School District is a public school district based in Crowley, Texas.
- Serves the high/middle/elementary schools based in Crowley/Portions of Fort Worth and Edgecliff Village.

Huawei Solution

- Huawei AP6010DN-AGN provide at most 600Mbps wireless connection for the students and teachers connect to CISD campus network.
- Huawei AC6605 can support at most 512 APs management per AC, provide a high expandable WLAN network for CISD schools.
- The Related Products: AC6605/AP6010DN

Benefits

- Multiple terminal wireless access, compatible of different kinds of terminals, provide fast and reliable access through ISD WLAN network.
- Advance Wireless Structure: Distributed AP deploy and centralized management reduce the OPEX of the school's IT system.



Jinjiang Inn 's WLAN

Background

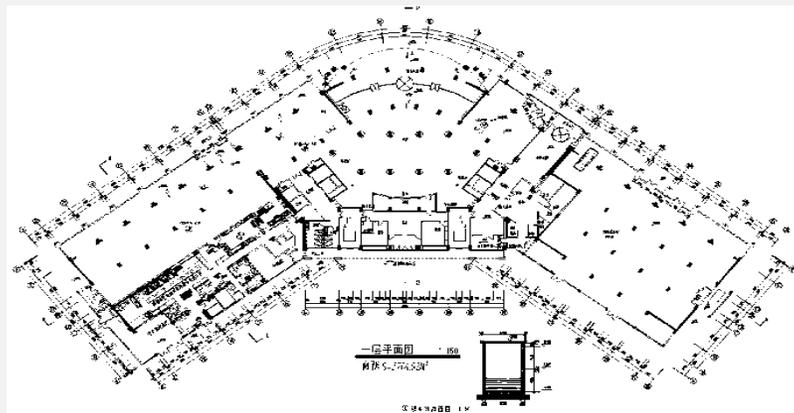
- Jinjiang Inn is the largest hotel group in Asia - Shanghai Jin Jiang International Hotels (Group) Co., Ltd. subsidiary. Is the largest economy hotel chain
- AP's laying all points must take into account the signals and beautiful.

Solution

- High performance and high number of AP management of WS6603 provide Centralized management and maintenance platform
- Because of the industry characteristics we use low-power and multi-mode antenna coverage.
- All of the AP using concealed installation consider the convenience and the signal strength of construction taking into account the appearance
- Use the Cellular network with channel 1,6 and 11.

Customers' benefit

- High-performance wireless network to enhance customer service quality and brand image
- Use POE switch to enhance devices flexibility, reduce project cycle
- Quality services to protect customer investment and achieve win-win situation with customers.



Kazakhstan Copper Mine WIFI Backhaul

Background & Requirement

- The target of Kazakh copper project is to build a WIFI network to cover the headquarters and mine sites.
- Long-distance data backhaul between headquarters and the mining area;
- The distance between mine and headquarter is 5km. Because of the mountain in the middle, it is hard to trenching wiring.
- Because of there few staff and services on the mine, it is low cost performance of long-distance wiring.

Huawei Solution

- Make use of WDS(Wireless Distribution System) repeater to interconnect headquarter and mine site.
- Headquarters and mine using point-to-multipoint for the WIFI interconnection. The end AP convergence to the corresponding aggregation node.

Benefits

- Long distance WDS backhaul solution solve the problem of hard wiring and save the cost of deployment.
- The WLAN support enough bandwidth to meet the requirements of work on the mine site.
- The point-to-multipoint WIFI backhaul solution can meet the customers fast deployment requirements.



Borussia Dortmund (BVB) Stadium, Germany

Background & Requirements

- Westfalenstadion has a league capacity of 80,720 (standing and seated), It is Germany's biggest stadium and the seventh biggest stadium in Europe.
- The network will give the 80,000+ fans full free Wi-Fi access.

Huawei Solution

- The wireless infrastructure provides 30% concurrent access for fans/visitors;
- HQoS technology guarantees the high bandwidth for high priority service;
- Advanced RRM features and narrow beam bandwidth antenna design reduces co-channel interference and improves user experience;
- Involved products: AC6605, AP6510DN, AP7110DN, S9700, S5700, NE, USG

Customer Benefits

- Providing the fans with a world-class Wi-Fi service to enhance their match-day experience;
- Future-orientated design to protect the investment;
- Easy operation & management for OPEX reduction.

