

IntelliPlan Design Example

To further illustrate the IntelliPlan strategy, an actual IntelliPlan network design is shown below. Azure's client, had, like many other early adopters of WLAN:

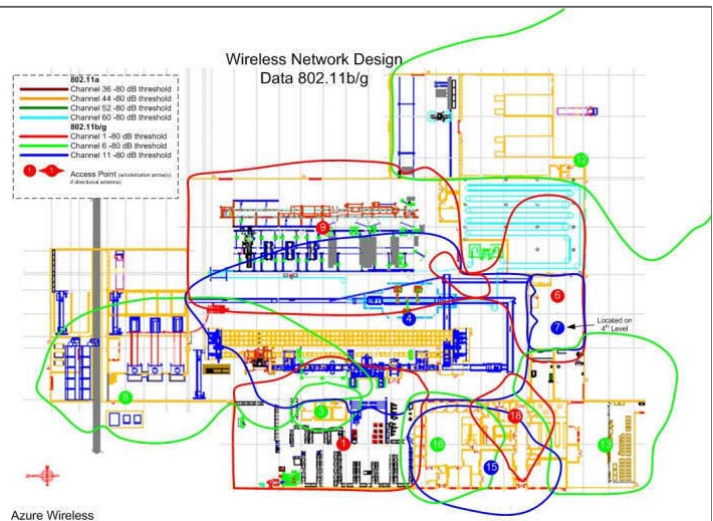
- recognized that its legacy WLAN would not support its growing wireless applications
- realized that it would want to use the WLAN for voice at some point in the future
- did not currently require or have the budget to build a voice-ready network
- wanted to avoid interruption to existing applications when enhancing the network to support voice or other capacity
- wished to avoid obsolescence when enhancing the network to support applications requiring high capacity and fast roaming

Specifically, this client wanted to initially implement a wireless network that would provide 24 Mbps of 802.11a and 802.11g capacity throughout its 260,000 square foot manufacturing and warehouse facility while maintaining the ability to increase capacity to an aggregate of 108 Mbps and add fast-roaming capabilities at some point in the future without obsolescence or interruption to existing applications using the WLAN.

Data-only Design

This network utilizes a subset of 12 of the voice-ready network design's access point infrastructure that provides 24 Mbps of capacity on both the 802.11a and 802.11g networks, while providing the ability to enhance the network's ability to support voice and location service without obsolescence or interruption to existing applications.

Each access point location utilizes both 802.11a and 802.11g, with antenna system and power level design providing mirrored coverage between the 802.11a and g cells.

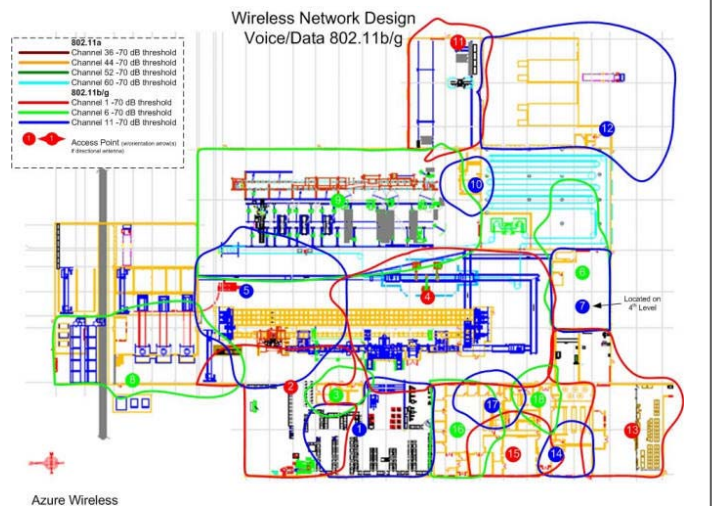


High Capacity, Voice-ready Design

The voice-ready IntelliPlan design for the site utilizes 6 additional access points and antenna systems, which, when added to the data-only design, will provide fast roaming and 54 Mbps capacity on both of the 802.11a and 802.11g networks.

When ready to implement this network, all that is required is the addition of the access points and antennas and the adjustment of power levels of the original 12 access points.

This network enhancement can be achieved with no obsolescence or interruption to existing applications utilizing the network.



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