

Moreton Bay Regional Council Wireless surveillance system upgrade for a safer and smarter city



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Overview

Moreton Bay is located north of the Brisbane metropolitan area in South East Queensland, Australia. The Moreton Bay Regional Council recently appointed AFN Solutions (subsidiary of Telstra Corporation Ltd.) to deploy IP Surveillance Cameras as part of its SafeCity initiatives.

Moreton Bay is the third largest local government area in Australia with a population of 425,000. The regional council has been using a wireless network for their surveillance system in Caboolture, Deception Bay and Strathpine for years, however with the advancement of IP camera technology, the network is unable to accommodate the vigorous bandwidth needs of HD and 4K network cameras.

After a rigorous selection process, AFN Solutions identified and selected Anywhere Networks' X20 network nodes to provide the wireless links for the IP surveillance cameras as well as the wireless backhaul to the Council's command centre.

With Anywhere Networks' Intelligent Connectivity Anywhere® technology, Moreton Bay Regional Council is able to easily upgrade their aging outdoor wireless infrastructure which can provide superior throughput to support the latest IP cameras with higher resolution and quality. With the success of the three sites, this council is looking to implement more wireless surveillance projects to other neighbourhoods which have infrastructure cabling challenges.

Partner

AFN Solutions



Customer

Moreton Bay Regional Council



Deployment Location

Moreton Bay Region, Queensland, Australia

Application

HD surveillance for SafeCity

Products Deployed

X20 MeshRanger

Moreton Bay Regional Council

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The Challenge

- The existing wireless surveillance is dated and not performing well to current video quality standards
- High bandwidth requirements to support latest high-resolution IP cameras
- Minimize civil works for the peace of the residential area as well as substantial cost savings
- Fast network redundancy fail-over
- High surge protection required for the wireless equipment

The Solution

- High reliability wireless network built with Anywhere Networks' Anywhere Network Node - A-NN X20
- Flexible wireless network extended from existing wired network points
- Around 20 nodes deployed in 3 sites with more in progress
- More than 50 IP cameras connected to the core networks for traffic monitoring and public safety purposes

The Benefit

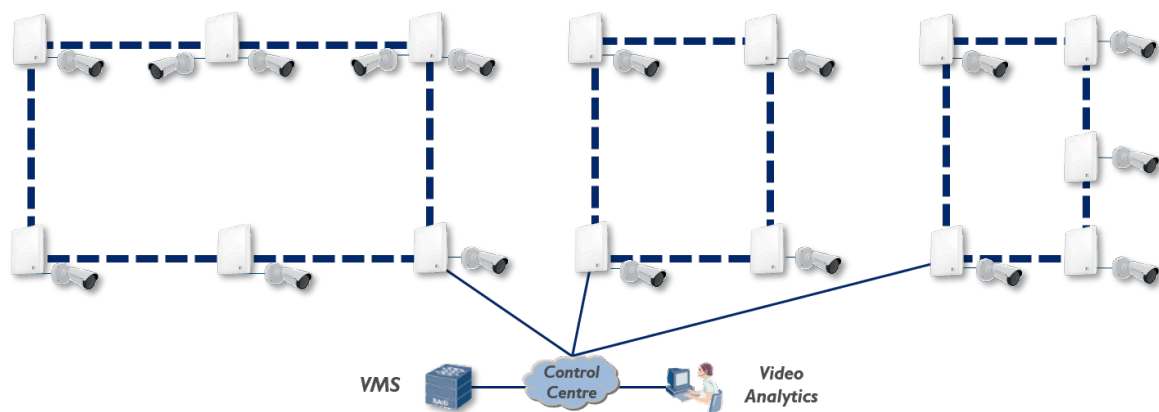
- A-NN X20 delivers best-in-class multi-hop throughput, despite high interference environment such as next to a train station
- Fast deployment and project completion so that the surveillance system is up and running within weeks
- Negligible latency and packet loss for PTZ camera control
- Fast failover recovery time to ensure a resilient system



Many challenging video surveillance locations without networking cabling solved by using AN



Large scale civil works is not feasible in established areas.



Brief illustration of the deployment architecture

About Anywhere Networks

Anywhere Networks develops and globally markets network infrastructure solutions and services for Smart City applications with focus on public safety, intelligently connecting IoT devices and video surveillance cameras for public and private customers. Anywhere Operating Systems, A-OS, and Anywhere Network Nodes, A-NN, offer scalable, high-capacity, secure network solutions based on Anywhere's Intelligent Networking Technology for bandwidth-demanding applications and mission critical network infrastructure. Anywhere Networks solutions and services are well suited for public safety and video surveillance applications for Smart Cities, Safe Cities, Transportation Networks, and Industrial Environments. Visit www.anywherenetworks.com or contact sales@anywherenetworks.com for more details.



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