Smart-City built by Well-Managed and High Quality Wireless Mesh Infrastructure

Smart Cities will address urban challenges such as pollution, energy efficiency, security, parking, traffic, transportation, and others by utilizing advanced Wireless Mesh technologies in data gathering and communications interconnectivity via the internet. It provides real time and remote monitoring for different aspects of data management in areas such as transportation, communication, video surveillance, and sensors on devices and sensors distributed throughout the city. With it, a community will have the ability to create intelligent environments.

To support the needs of the fast-moving and mobile transportation industry is the biggest challenge facing the networking industry today. Due to the high speeds and constant transitions in location, traditional networking solutions—particularly wired networks—simply can't keep up with this demanding industry.

By utilizing PheeNet Wireless Mesh Infrastructure instead of Fiber Optic to carry Smart City applications as above described, and even critical mobile and fast-moving transportation industry.

➢ What's PheeNet Wireless Mesh advantage?

1) Maximum 3 Radio supported in a hardware
2) Keep high throughput 120Mbps till 20th hop to increase the Wireless Mesh Network Coverage and save the cost of internet
3) Pretty Low Latency (<1ms) in each hop
4) High speed mobility for vehicle
5) Comprehensive MeshView Pro NMS to do Mesh Network Central Management

➢ Solution

Unlike traditional networks that use WiFi access points to share a limited amount of bandwidth, PheeNet's Wireless Mesh networks form instantaneously and automatically, healing themselves when a link is interrupted or broken. So communications are immediate and constant. Compatible with any existing equipment, network or software, a PheeNet Wireless Mesh network can handle voice, data and video seamlessly, making it ideal for the demands of the Smart City industry.

And PheeNet's Wireless Mesh Mobility capabilities make it the networking technology of choice for Emergency Operations Centers as they attempt to respond and recover from disasters, including communications with command vehicles and ambulances as well as disaster recovery for voice, video and data. PheeNet is the leader in expanding the benefits and capabilities of mesh networking to today's fast-moving trains, subways, buses and public safety vehicles. Operating at sustained speeds of up to 200km/h, our patented mesh and mobility technologies provide the only proven solutions capable of supporting high-definition video streams and seamless roaming across extended distances.

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