

A photograph of a large-scale construction site at dusk. Several tall, multi-story buildings are under construction, with their interiors and some exterior lights glowing. Several tower cranes are visible against the darkening sky. The foreground shows construction equipment and materials on a dirt site.

Construction Zones

Wireless Solutions Deliver Deployment in Days, 100 Mbps Connections and 99.999% Reliability

Construction sites require quick and flexible connectivity even before the start of a project and the use of multimedia, bandwidth intensive applications, such as Voice over IP, perimeter surveillance, document sharing and more, drives the demand for increased bandwidth. Proxim Wireless Outdoor solutions enable construction companies to instantly set up reliable networks that can address all of their site connectivity requirements.



Rapid Connectivity for Temporary Sites and Portable Cabins

Increasingly construction site offices and management are reliant on access to their central databases and systems and communications with personnel on and off site. They therefore require fast and secure connectivity from the start of the project build. Traditional fixed line solutions can rarely meet this time-based objective, resulting in costly delays between the project start and connection dates.

By leveraging Proxim's Tsunami® and outdoor ORiNOCO® Solutions, construction companies can implement fast and secure connectivity from day one of the site build. A wireless networking solution delivers a reliable temporary connection, powering the site to full speed right from the start and giving remote sites immediate access to their centralized back-office systems and applications.



CCTV Monitoring and Management

With a plethora of expensive equipment and vehicles in a construction site that are often left untended and secluded site overnight, construction sites need to employ Video Security systems to help protect against theft and vandalism.

Deploying wireless technologies to support these systems enables remote monitoring and management of Surveillance cameras equipment on site, without the need to install a fixed line.



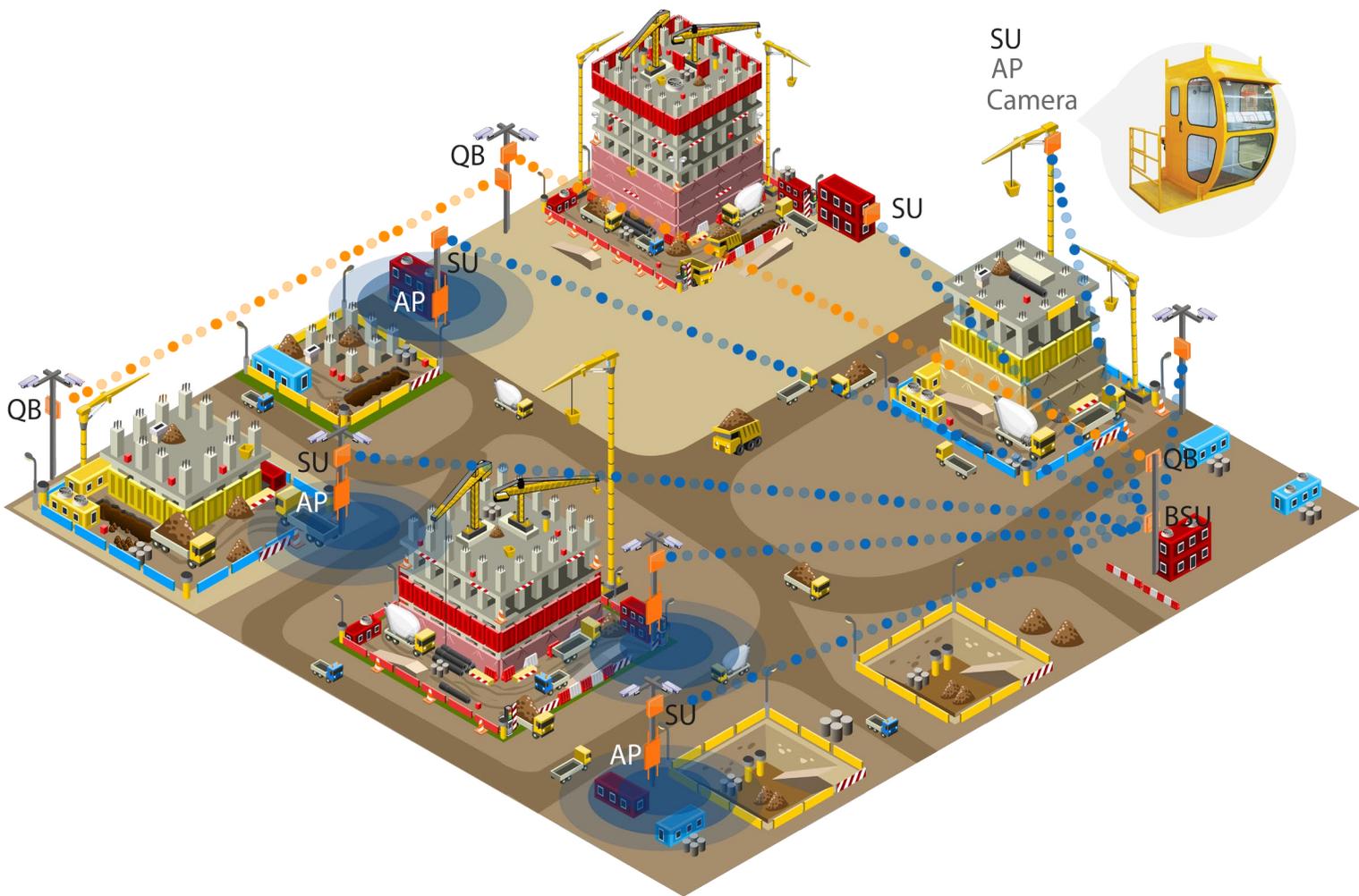
WiFi for Voice and Email Communication or PBX Extension

For communication purposes traditional solutions include telephones, walkie talkie and emails via expensive and often unreliable cellular technologies such as 4G/LTE in remote construction sites. WiFi on the other hand provide high capacity and high QoS for these applications. With WiFi, site-personnel can now use just their smart phones for all sorts of communications, thereby eliminating capital equipment costs and recurring cellular subscription expenditures for communication. Construction IT teams can also leverage these wireless networks to support their PBX phones.



Failover / Primary On-Site Connectivity Wireless

Wireless solutions provide a powerful failover solution for construction sites, ensuring there is a connection to central databases and systems if and when the fixed line fails. Many organizations typically use wireless devices for temporary connectivity initially, while they wait for the fixed line to be installed, and then continue to use it for failover afterwards – maximizing the return on their investment.



Recommended Product Line



Tsunami® 10100 Series

Very High Throughput

For Critical and Demanding Applications

866 Mbps | 4.9 – 5.9 GHz

Up to 28 dBm (dual chain)



Tsunami® 800 Series

Compact and Robust

Full Featured Cost Effective Platform for
Medium Bandwidth Applications

10 to 100 Mbps | 4.9 (except FCC) - 6.4 GHz

Up to 26 dBm (Dual chain)



ORINOCO® AP-9100R

Outdoor 802.11ac Access Point

866 + 300 Mbps | 2.4 GHz, 5 GHz
Up to 28 dBm (Triple chain)

Company Profile

Proxim Wireless: Performance Matters. Proxim Delivers.

Proxim Wireless is a pioneer and global leader in advanced Wi-Fi, point to point, and point to multipoint outdoor wireless systems that are purpose built for mission critical and high availability communications. With over 30 years of wireless experience, Proxim is recognized for its unparalleled reliability, superior performance and drive for innovation.

Products and Markets

Marketed under the ORiNOCO® and Tsunami® brands, Proxim provides a comprehensive product line for a wide variety of market segments including enterprises, service providers, carriers, governments and municipalities, Wi-Fi Operators/Hot spot Operators and other organizations that need high performance, secure scalable wireless solutions.

Go to Market

Proxim serves customers through a global network of distributors, value-added resellers, system integrators and original equipment manufacturers. Our strong internal sales force also engages in direct-touch, consultative selling with major customers regardless of whether fulfillment is direct or via a channel partner. Our experienced system engineering team is available to provide professional services to both our channel partners and end customers.