

## Wireless Solutions for SCADA Applications

Proxim Wireless Tsunami® solutions are purpose built for industrial plants & factories that demand mission-critical, carrier grade communications for automation, monitoring and security. Proxim solutions enable seamless information aggregation from sensors, multi-vendor devices, control & monitoring equipment and video cameras that are often installed in harsh environments such as oil and gas refineries, chemical plants and water treatment facilities.

# Why Proxim Wireless?

## ENGINEERED FOR EXTREMES

Every Tsunami® is engineered using highest grade components, offering unparalleled reliability. Tsunami® enclosures are approved after stringent screening involving Vehicular movement Transport Vibration (ISTA-2A), Drop, Shock, Salt Spray, Thermal, and Reliability tests. Additionally, the enclosures are IP 67 Grade that ensures complete protection from any kind of dust and has been tested under water at 1 meter depth.

## UNMATCHED PERFORMANCE

Advanced proprietary Proxim ClearConnect® technology helps ensure Tsunami® radios perform even in the most RF hostile conditions where other standard wireless technologies simply fail to perform. It offers a host of adaptive features including Dynamic Channel Selection, ATPC, Beam Steering and many more to ensure high spectrum efficiency with minimal error rates.

## EASY INSTALL

Easily add coverage where you need and when you need it. With easy to install radios and advanced deployment tools, Proxim's solutions dramatically reduce guesswork associated with initial deployments and allow quick installations with minimal effort.

## SCALE WITH MINIMAL FORKLIFTS

Limit the cost of ownership of your wireless infrastructure by paying only for the throughput your business needs. Tsunami® 820 product line offers a wide range of solutions for low to medium bandwidth, while the recently introduced Tsunami® 10100 offers ultrafast speeds for bandwidth intensive applications. Every Tsunami® is forward and backward compatible to ensure that your network scales seamlessly.

## CONTROL AND MANAGE EFFORTLESSLY

Comprised of a wide variety of powerful tools, ProximVision® Advanced unifies management of the entire Proxim infrastructure, within a few clicks. From monitoring network performance to remote device configuration and management PV Advanced (PV A) provides total control

- Visualize network status on the static or dynamic maps
- Set advanced threshold crossing rules alarms and push-notifications on events that require immediate notification
- Quickly identify and isolate faults via alert filtering tool
- Access and manage your network from any location via Web based access

## Customer Testimonial



### Overview

The Aqaba Water Company (AWC), the official water treatment and Management Company of Aqaba-Jordan, needed a high performance network that could cost-effectively connect the many components of their water wells network.

### Challenges

- AWC needed to connect every well throughout their entire system
- Given the number of components that needed to be connected, wired solutions were cost prohibitive and would take far longer to deploy
- As it connected the wells to the central SCADA network, this was a mission-critical network that required high performance and reliability

### Proxim Solutions

- Widespread Proxim PtMP and PtP deployment throughout the entire Aqaba region
- The first phase of the wireless SCADA deployment utilized Proxim's Tsunami™ MP.11 PtMP and Tsunami QuickBridge® PtP solutions
- The entire system is managed centrally by the ProximVision ES Wireless Network Management System

### Results

- Proxim's PtMP and PtP wireless equipment successfully connects AWC's water wells to a centralized supervisory control and data acquisition (SCADA) network
- Initial savings of over 300,000 JD (more than \$422,000 USD) in up-front capital cost over wired solutions
- Annual savings of 15,000 JD (over \$21,000 USD) by avoiding leased-line costs
- Access and manage your network from any location via Web based access

## PRODUCT PORTFOLIO

### Point-to-Multipoint / Wireless Broadband



#### Tsunami® MP-10100 Series

Very High Throughput Point-to-Multipoint  
Wireless Solution

866 Mbps | 4.9 – 5.9 GHz  
Up to 28 dBm (dual chain)



#### Tsunami® 800 Series

Compact and Robust Point-to-Multipoint  
System

300 Mbps | 4.9 - 5.9 GHz  
Up to 26 dBm (Dual chain)



#### Tsunami® MP-825-CPE

Compact and Robust CPE

300 Mbps | 4.9 – 5.9 GHz  
Up to 26 dBm (dual chain)

### Point-to-Point / Wireless Backhaul



#### Tsunami® QB-10100 Series

Very High throughput Point-to-Point  
Wireless Bridge

866 Mbps | 4.9 – 5.9 GHz  
Up to 28 dBm (dual chain)



#### Tsunami® QB-820 Series

Compact Point to Point Bridge

300 Mbps | 4.9 – 5.9 GHz  
Up to 26 dBm (Dual 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.