



Telecom Streetworks Solutions™

## Who We Are

Alpha Wireless is a leading innovator in high-performance antenna solutions. Since 2007, we've deployed over 1.5 million antennas worldwide, serving industry leaders. Our expertise extends beyond antennas to turnkey Telecom Streetworks Solutions™, enabling operators and neutral hosts to densify networks, close coverage gaps and deliver reliable connectivity.

## Who We Serve

We collaborate with mobile network operators and neutral hosts seeking flexible, high-capacity solutions that maximize network performance and operational efficiency. Whether you're scaling 5G, upgrading existing sites, or blending new infrastructure into tight urban spaces, our approach ensures simplified planning, minimized disruption, and a strong return on your investment.

## Our Solutions at a Glance

**Telecom Streetworks Solutions™** – Innovative macro and small cell turnkey streetworks designs for seamless network upgrades.

### Macro Streetworks

An attractive, small-footprint alternative to macro towers (10–25 meters in height), delivering high-capacity coverage with quick deployment and reduced costs in urban and rural areas. Ideal for operators and neutral hosts looking to expand coverage without building large towers.

### Micro Streetworks


Cost-effective, sub-10-meter microsites with a sleek design for rapid approvals and seamless 5G densification in urban and suburban areas. Ideal for operators and neutral hosts coordinating multi-tenant deployments.

### Fusion Streetworks

Retrofit existing poles with modular antennas and optional radio shrouds, enhancing aesthetics and streamlining approvals for rapid 5G small cell upgrades. Ideal for operators and neutral hosts seeking innovative solutions that enable faster time-to-market on 5G rollouts.







An attractive alternative to traditional macro towers, the Macro Streetworks portfolio delivers uncompromised coverage and capacity while significantly reducing planning and deployment time, at a lower overall cost.

# Macro Streetworks

# Why Choose Macro Streetworks?

## All-in-One Solution

From 10–25m modular poles and antennas to telecom enclosures and cabling, every component is expertly integrated to ensure a smooth, hassle-free deployment.

## Multi-Operator Ready

Designed to support up to three 5G Active Antenna Units, enabling high-capacity coverage for multiple carriers within a single, space-efficient structure.

## Future-Proof Performance

Built to adapt to evolving network demands, our solutions support next-generation technology upgrades with minimal modifications, ensuring long-term value and scalability.

## Zoning Friendly

Engineered for fast approvals and rapid installations, even in areas with strict zoning regulations, making network expansion more efficient and less complex.


## Key Features

- ✓ One-Day Installation
- ✓ Lower Total Cost of Site
- ✓ Aesthetic & Location Versatility
- ✓ Compact Macro Performance

Field-assembled modular pole sections, IP66-rated enclosures, and wind-load certification to IEC 61400-2 standards (up to 160 km/h) ensure reliable performance in any environment - urban, suburban, or rural - while delivering true macro-grade coverage in a discreet, small-cell footprint.







Micro Streetworks solutions are cost-effective microsites under 10 meters in height, designed to blend seamlessly with existing infrastructure for rapid zoning approvals. All while delivering the high-capacity coverage you need to drive network densification at a street level.

# Micro Streetworks



# Why Choose Micro Streetworks?

## Turnkey Solution

Each site includes a multiband omnidirectional canister antenna, pole, cabinet, and cabling. Installation and commissioning services are available to streamline your deployment from start to finish.

## 360° Multi-Spectrum 5G

Provide high-capacity coverage in urban and suburban areas, even in busy outdoor venues, while optimizing network efficiency with the smallest possible foundation footprint.

## Rapid Deployment

Engineered for fast installation and seamless integration with existing infrastructure, significantly reducing time-to-market for new or upgraded small cell sites.

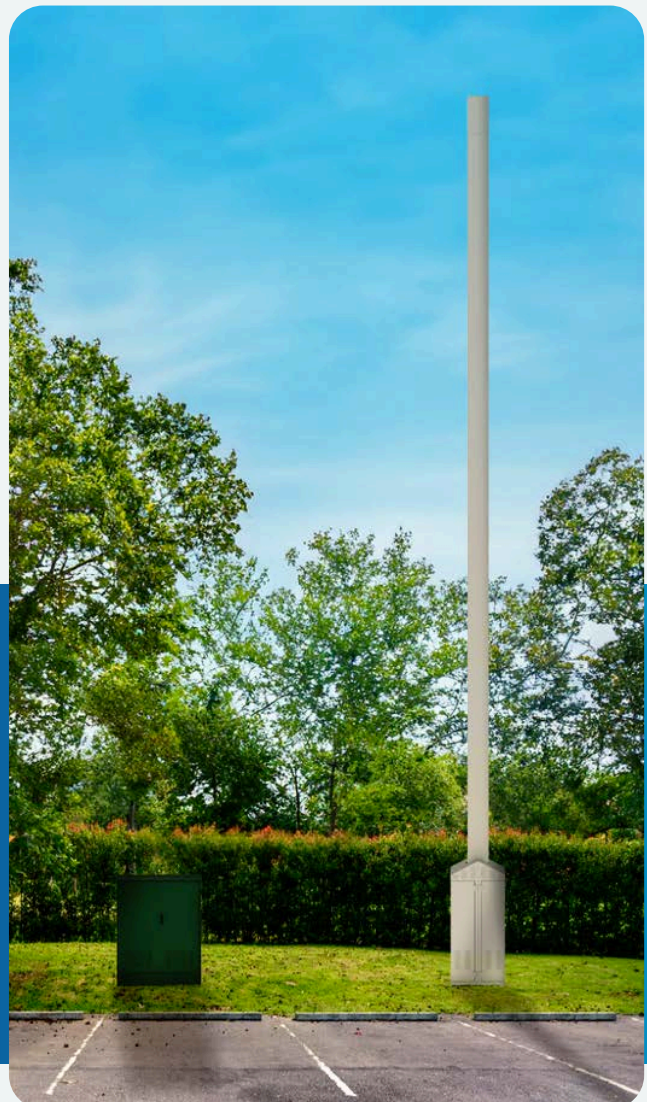
## Flexible by Design


Configurable to support both high- and low-power radios, our Micro Streetworks solutions accommodate diverse network requirements without sacrificing a sleek, space-saving form factor.

## Key Features

- ✓ Low-Cost Deployment
- ✓ Smallest Site Footprint
- ✓ Rapid Zoning Approvals
- ✓ Multi-Spectrum 5G Coverage

Micro Streetworks deliver reliable 5G coverage in even the most challenging environments. From busy city streets to suburban neighborhoods. Each turnkey installation can include integrated lighting, grounding kits, and optional accessory mounts, ensuring a complete, ready-to-operate site that simplifies maintenance and future upgrades.





Alpha Wireless Fusion  
Streetworks solutions are  
designed for quick upgrades  
or replacements on existing  
poles, tackling common  
street-level challenges - like  
windloading, shadowing, and  
aesthetics - with a sleek,  
modular approach. Integrate  
an optional radio shroud for  
even greater visual appeal.

# Fusion Streetworks

# Why Choose Fusion Streetworks?

## Faster Approvals, Less Visual Impact

Our solutions are engineered for communities with strict zoning rules, ensuring a smaller footprint and improved aesthetics.

## End-to-End Solution Management

From aesthetic design and cabling to optional radio shrouds, Alpha Wireless handles the details, so you don't have to.

## Future-Proof Scalability

Built to accommodate emerging 5G technologies without major site rework, safeguarding your investment for years to come.

## Enables Mid-Pole Mounting

Ideal for busy urban settings where top-of-pole or side-arm solutions face limitations.

## Wraparound Fusion

The AW4032 Wraparound Fusion delivers robust 5G coverage while blending seamlessly into urban environments. It mounts on poles and streetlights with minimal visual impact, offering comprehensive 360° connectivity for mobile operators.

- ✓ 16 ports, dual-band support, 4x4 MIMO
- ✓ Mounts on poles and streetlights discreetly
- ✓ Rapid deployment in high-density areas



## Three Sector Fusion

The Three Sector Fusion enables mid-pole installation on various structures, supporting multi-operator deployments even in tight spaces. Its customizable sectors optimise RF performance and allow easy upgrades for evolving networks.

- ✓ Mid-pole installation, multi-operator support
- ✓ Customizable sectors to reduce interference
- ✓ Easily swapped for future upgrades







## Contact Us



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## Find out more at [www.alphawireless.com](http://www.alphawireless.com)

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