



INFINET
wireless

Carrier-class fixed broadband wireless solutions



About Company

INFINET wireless is a leading manufacturer of fixed broadband wireless connectivity and provides a wide range of carrier-class infrastructures.

Established in 1993, we are one of the world's largest privately owned Fixed Broadband Wireless Access (FBWA) R&D and manufacturing companies and have fast become the preferred choice of service providers who require uncompromising connectivity.



InfiNet is in demand worldwide with thousands of end-users and over 500,000 units deployed in **over 130 countries, across all 5 continents.**



Performance

High-capacity speeds of 1 Gbps and coverage ranges of up to 100 km, enable InfiNet to create industry-leading wireless infrastructures for fully fledged triple-play support, in both urban and rural networks.



Flexibility

Our topology-agnostic, multiple-frequency and universal wireless platforms can be tailored to individual customer requirements to give them exactly the solution they need, well within their budgets.



Integration

Our wireless solutions are easily integrated into any existing network infrastructure (including MPLS), as we have the industry's richest set of networking features and protocols.



Reliability

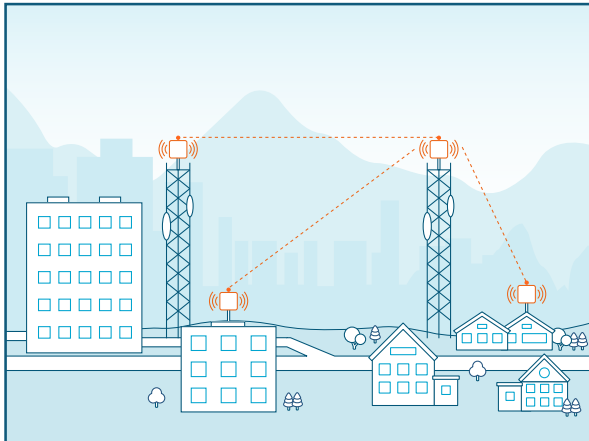
Our various solutions have withstood the most challenging environmental conditions across all five continents, with many still in operation even after 15 years of continuous use.



Optimization of capital costs

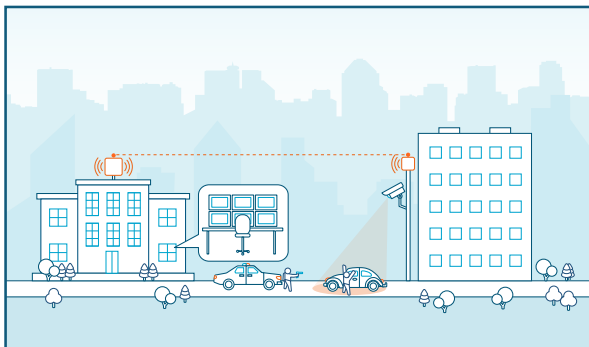
InfiNet's innovative solutions enable the deployment of high-performance infrastructures with the minimum number of network elements, therefore reducing total cost of ownership.

Target Market Sectors



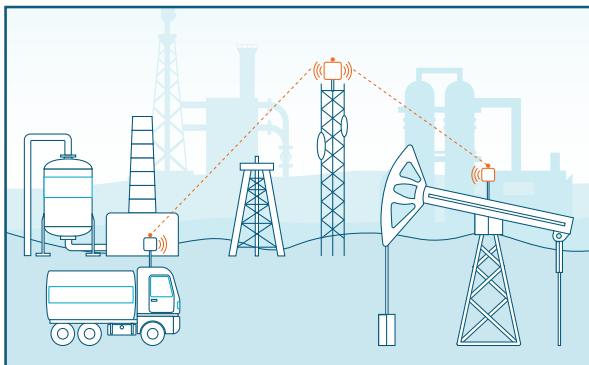
Operators and Internet Service Providers

- GSM/3G/4G high-capacity backhaul
- WISP infrastructure backhaul and internet access for remote locations
- Rural/Suburban for last mile access
- Cost-effective alternatives to legacy microwave links
- NLOS and nLOS configurations
- Reliable backup for fibre lines, high-speed FSO or millimetre-wave links



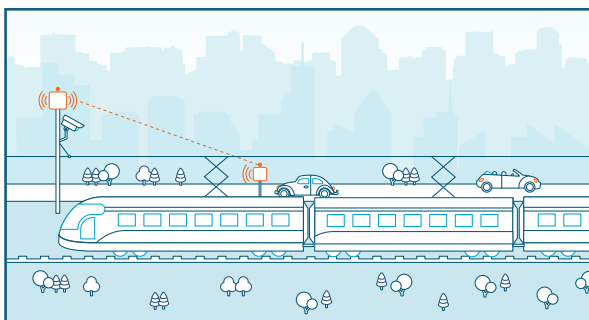
Public safety

- Video surveillance solutions
- Intelligent Traffic Management systems
- Emergency and medical services
- Border management and control



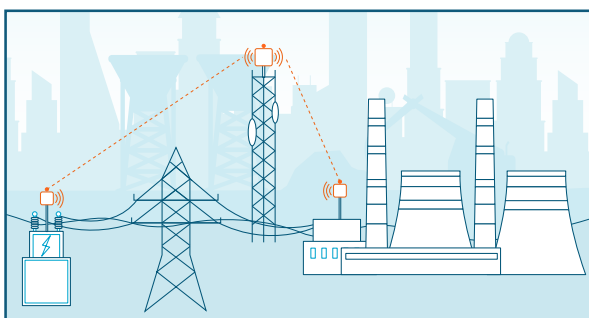
Energy

- Connectivity for remote and nomadic units
- Telemetry data acquisition, and real-time video streams.
- Connectivity for pipelines, oil clusters, pump stations, energy distribution systems etc.
- Operating in the harshest climates



Transport and Logistics

- Reliable communication between train stations
- Automated management of crossings along train routes
- Remote management of fixed and rolling assets



Enterprise

- High-Speed LAN or WAN connectivity for corporate networks
- Remote site connectivity for infrastructure monitoring and management
- Triple play applications

Point-to-Point Solutions

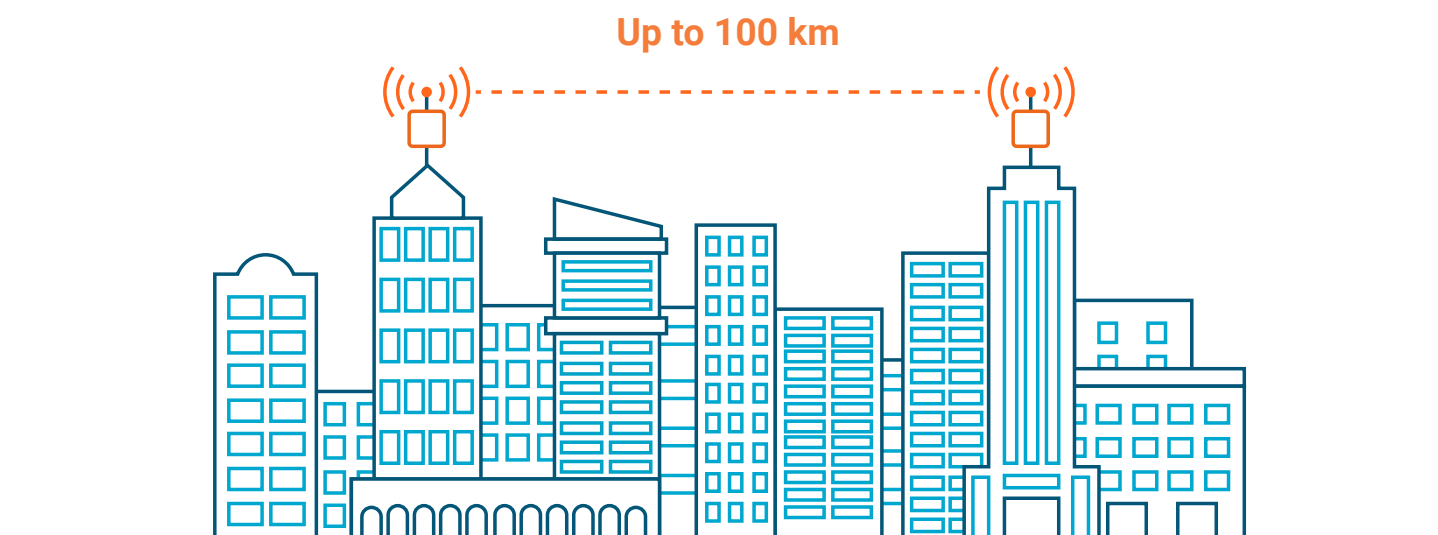
Our Point-to-Point solutions that provide proven reliability and performance are represented with the unit of the families InfiLINK XG 1000, InfiLINK XG, InfiLINK 2x2 and Quanta5.

InfiLINK XG 1000 is a brand new range of products that accommodates escalating requirements for speed, reliability and flexibility. It can provide throughput of up to 1 Gbps over the air in 5 GHz licensefree frequency bands.

InfiLINK XG combines best-in-breed spectral efficiency, higher-than-ever-before processing power and distance vs performance ratio. With up to 500 Mbps throughput InfiLINK XG let you flexibly and reliably handle customer requirements.

InfiLINK 2x2 is a highly diversified family of wireless Point-to-Point products which brings together capacity up to 280 Mbps with a variety of features and cost effectiveness.

Quanta 5 is a brand new record-breaking spectral efficiency 5 GHz Point-to-Point solution with an impressive performance of up to 460 Mbps in just 40 MHz of spectrum.



Key Features and Highlights

- Up to 100 km distance without repeaters
- High gain integrated antennas from 19 dB to 28 dBi
- Unlimited number of hops
- Extended QoS support
- Flexible frequency planning
- Extended temperature range from -55 to + 60°C at 100% humidity (for InfiLINK 2x2)
- TDD synchronisation support
- LOS/nLOS/NLOS connectivity

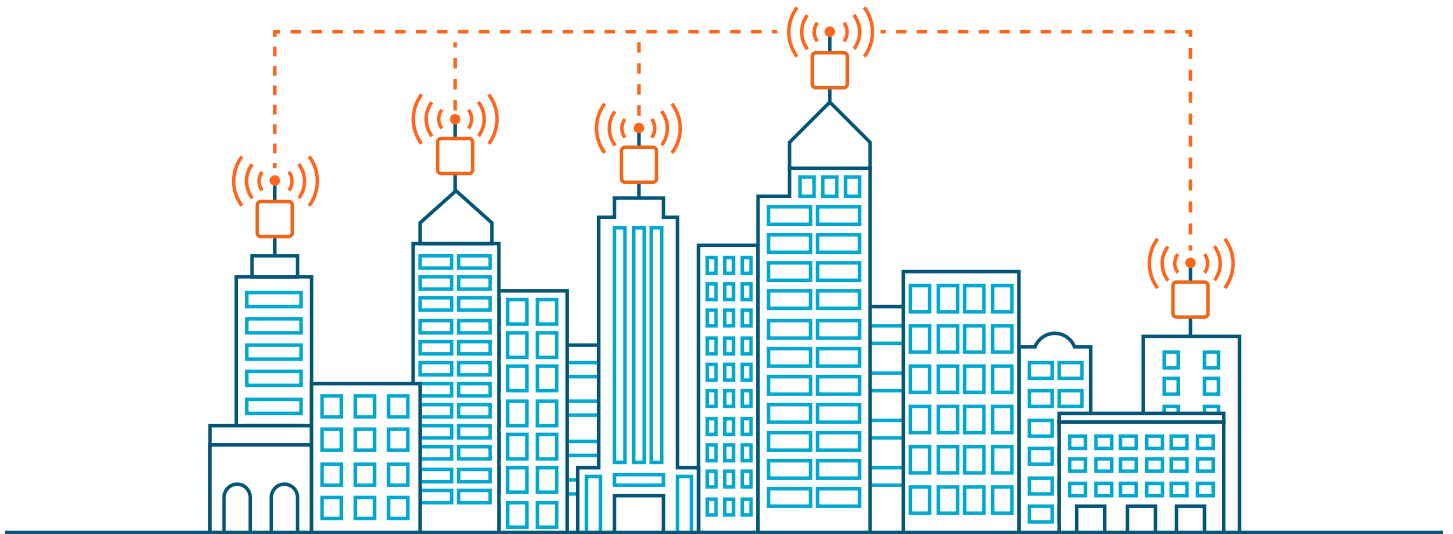
Applications

- GSM /3G/4G/LTE high-capacity backhaul
- Wireless ISP infrastructure backhaul and internet access for remote locations
- Fully-fledged Fibre/FSO /Millimetre-wave systems replacement, extension or backup
- LOS and NLOS backhaul connectivity for macroand small-cell base stations
- Video surveillance infrastructure over medium and long distances
- Rural/Suburban last mile access

Point-to-Multipoint Solutions

Our family of Point-to-Multipoint solutions are also available in frequency bands from 3.1 to 6.4 GHz and are based on innovative high-capacity base station sectors, including those with a beamforming antenna and subscriber terminals, reaching up to 250 Mbps and 180 Mbps respectively.

Up to 40 km



Key Features and Highlights

- Base station sector distance coverage: up to 40 km
- Up to 250 Mbps base station sector performance in just 40 MHz of spectrum, reducing capital expenditure
- Subscriber terminal performance: up to 180 Mbps
- Base station sectors supported with smart beamforming technology to increase capacity two-fold and improve interference and noise immunity
- TDD synchronisation
- Advanced QoS features, offering a robust and reliable solution
- Advanced network features at layers 2, 3 and 4
- Interference mitigation toolkit
- Extended temperature range from -55 to + 60°C at 100% humidity

Applications

- Last mile access for Wireless ISPs and service providers
- High-Speed LAN or WAN corporate networks
- Wireless infrastructure for video surveillance and public safety networks
- High-density WISP access network
- Long-range enterprise network
- Rural low-density WISP covered

Project Examples



DU
United Arab Emirates

Providing higher capacity to cater for fast growing mobile and fixed data usage, as well as a reliable backbone to carry multicast IPTV services, both in dense urban areas and in tough weather conditions on long rural hops



**BEELINE
(OJSC VIMPELCOM)**
Russia

Provision of reliable fixed connectivity to the Internet for a large number of corporate clients. Hundreds of base stations and thousands of various subscriber terminal models deployed



TNK-BP
Russia

Robust and sustainable connectivity in challenging weather conditions ranging from -55 to +60°C. A combination of extended InfiLINK 2x2 point-to-point solutions and InfiMAN 2x2 point-to-multipoint base stations were used to connect all remote terminals in the field



METRONET
United Kingdom

Providing Internet access to a wide range of customers such as corporate users, security companies and private individuals



CAIRO
Egypt

Providing the Cairo authorities with a complete Intelligent Traffic Solution based on our wireless platforms



KARAZHANBASMUNAI
Kazakhstan

Data accessing and reporting are both fully automated and protected from potential human error risks.



GEORGIA DEPARTMENT OF TRANSPORTATION
USA

Consolidation of a state-wide highway control system into one seamless network using wireless links enabling the synchronisation of all signal timings, traffic congestion and improvement of air quality



MADA COMMUNICATIONS
Kuwait

Deployment of a new infrastructure to replace an outdated WiMAX network, providing increased reliability and coverage



ANGLO AMERICAN PLATINUM
South Africa

Connect dozens of mining operations and provide an integrated backhauling solution to a centralised location. Such a network would also be used as redundancy for the incumbent telecoms provider, as well as operate in harsh environments and weather conditions



RIO DE JANEIRO
Brazil

A scalable and cost effective solution to deliver high-resolution surveillance and imaging services to police and local government bodies, and able to support additional services during the 2014 FIFA World Cup and the 2016 Olympics



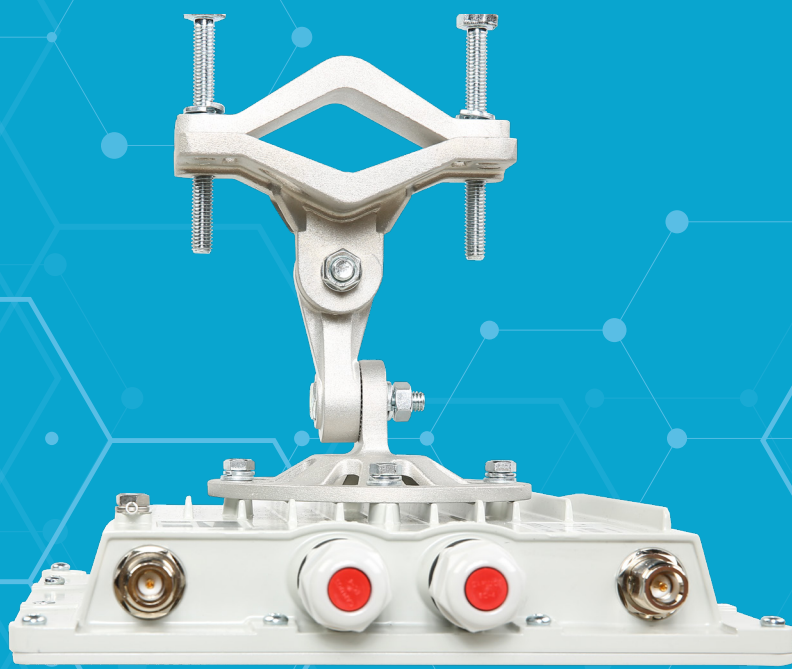
ENFORTA
Russia

Provide multi-megabyte Triple Play and VPN services for data and voice transmission to its customers



PENANG SAFE CITY
Malaysia

Implementing a system of urban public CCTV, main high-speed links and "last mile" connectivity to transmit real-time video streams from a large number of cameras monitoring all main districts of the city



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