Promotional Materials

What We Do

- Outdoor Networks
- Indoor Networks
- Our Solutions
- Case Studies

Enhanced Mobile Connectivity with Outdoor & Indoor Distributed Networks

ExteNet Systems designs, builds, owns, manages & operates Indoor & Outdoor Distributed Networks to help meet the growing demand for improved mobile & wireless broadband coverage and capacity in key strategic markets across North America. Distributed Networks bring wireless network elements such as low-powered wireless antennas and access points closer to the user to ensure ubiquitous and high-capacity wireless broadband connectivity.

Utilizing Distributed Antenna Systems (DAS), Remote Radio Heads (RRH), Small Cells, Wi-Fi and Distributed Core Soft-switching technologies, ExteNet enables Wireless Service Providers (WSPs), enterprises and venues to better serve their subscribers, customers, workers, residents, tenants and communities.

ExteNet owns and operates multi-carrier, often referred to as "neutral-host", and multi-technology Distributed Networks to ensure multiple WSPs can provide their 3G and 4G LTE services in the most effective and efficient manner. ExteNet creates a scalable network design utilizing its high-bandwidth fiber network to ensure the Network Densification needs of the WSPs are met and can evolve over time as user demands dictate.

Today's mobile network traffic has become highly personalized, driven by the increase in Broadband connectivity. Personalization alludes to the Unicast nature of network traffic patterns - people viewing their preferred content anytime, anywhere, over any device. These evolving traffic patterns are best served with the provision of a high capacity and scalable Distributed Network.

The number of mobile devices exceeds the number of people today as more users interact with multiple device types. In addition, Machine-to-Machine (M2M) applications are proliferating. Unicast traffic patterns, mobile device growth and M2M proliferation are all leading to a severe strain on the WSPs' networks which were initially designed primarily for voice coverage and have more recently been adapting to data coverage.

Macro cellular networks were never intended or designed to handle highly intensified and data-oriented mobile traffic that is necessary to support video and other broadband applications. The need for Network Densification is a direct result of these changing User needs and demands.

ExteNet has years of experience deploying Distributed Networks. As a registered telecommunications carrier registered in every state in which we do business, ExteNet has the status of a utility and is generally entitled to place its facilities in the Public Rights-of-Way and to attach its equipment to existing utility infrastructure such as utility poles as an efficient and environmentally responsible means for enhancing coverage and capacity via outdoor Distributed Networks. In addition, over the years, ExteNet has negotiated agreements with a number of local governments for the use of municipally owned light poles and conduits for the enablement of Outdoor Distributed Networks.

ExteNet also negotiates multi-year agreements with Venue owners and managers in key strategic markets and verticals such as Sports & Entertainment, Hospitality, Healthcare and Commercial Real Estate to ensure mobile network coverage and enhanced capacity throughout a portfolio of these strategic venues.

OUTDOOR NETWORKS

INDOOR NETWORKS

OUR SOLUTIONS

Outdoor Networks

What We Do

Outdoor Networks
Indoor Networks
Our Solutions
Case Studies

Enabling Advanced Mobile Connectivity with Outdoor Distributed Networks

ExteNet's Outdoor Distributed Networks enable mobile connectivity and superior wireless service in urban, suburban and rural settings. ExteNet works with national, regional and rural wireless service providers (WSPs) to enable mobile connectivity for the multitude of users and subscribers on each WSPs mobile network.

Outdoor Distributed Network nodes are typically located on existing municipal infrastructure like utility/telephone poles, street lamps or traffic signal poles which provides a high density of potential site candidates. The ability to place Distributed Network nodes almost anywhere makes these systems perfect to reach areas that are otherwise difficult to serve, require coverage enhancements and/or require significantly higher network capacity.

These networks are ideal for communities with zoning requirements designed to maintain a certain aesthetic environment. Low-powered and small form-factor antennas, which in many cases become oblivious to the human eye, are connected to a communications hub designed to facilitate services for multiple WSPs. Distributed Networks are an increasingly growing component within the mobile network ecosystem as these networks provide superior aesthetic and economic benefits besides addressing targeted coverage and capacity needs.

ExteNet takes a pragmatic and comprehensive approach to designing and building Distributed Networks. Our carrier-class Distributed Networks are architected to be future-proof to seamlessly and cost-effectively integrate technology advancements. ExteNet has a focused and highly experienced Community Relations team, including ex-city planners, who work with Municipalities, Local and State Governments, Utility companies and the various Communities where ExteNet builds and operates its Distributed Networks to enable mobile connectivity.

Key Benefits of ExteNet's Outdoor Distributed Networks

Multi-carrier and multi-technology (CDMA, GSM, 3G, 4G LTE) support	Improved Quality of Service in areas inadequately served by macro cell towers	Increased network scalability & rapid provisioning of additional network capacity and advanced wireless services
Enhanced spectrum utilization and improved network performance	Time to Market advantages due to the leadership of a dedicated and highly experienced Community Relations team	Lower Total Cost of Ownership (TCO)

To learn more about how ExteNet Outdoor Distributed Networks can address your needs, send an email to outdoor@extenetsystems.com or call 630-505-3800.

CIRCUIT OF THE AMERICAS

NEW YORK CITY

CLICK HERE FOR MORE CASE STUDIES

Indoor Networks

Enabling Advanced Mobile Connectivity with Indoor Distributed Networks

ExteNet's Indoor Distributed Networks enable mobile connectivity and advanced wireless service in facilities and venues across a host of market segments and verticals including Sports & Entertainment, Hospitality, Healthcare and Commercial Real Estate. ExteNet works with all wireless service providers (WSPs) to enable mobile connectivity for the multitude of users and subscribers on each WSPs mobile network.

Wireless carriers strive to ensure high quality voice, data and video service over mobile networks. Venue owners, venue management companies and a host of enterprises strive to achieve the same for their customers, employees, patrons and visitors. Enhanced user and patron experience is the ultimate goal and this can be achieved via effective mobile communications delivery and pervasive, but secure, network connectivity.

With 80% of all mobile traffic originating indoors - and only an estimated 2% of commercial buildings having indoor cellular coverage today - existing macro cellular networks remain inadequate to satiate the needs of data-intensive users. Indoor Distributed Networks ensure high-bandwidth mobile connectivity - anytime and anywhere - throughout the facility and effectively serve the increased Video and Social Media consumption of today's mobile users.

ExteNet's Distributed Networks utilize Distributed Antenna Systems (DAS), Remote Radio Heads (RRH), Small Cells, Wi-Fi and Distributed Core Soft-switching technologies. These Distributed Networks, often a hybrid of aforementioned technologies, are then provisioned for multiple wireless carriers' network service.

ExteNet takes a pragmatic and comprehensive approach to designing and building Indoor Distributed Networks. We can leverage the building's heating, ventilation and air-conditioning (HVAC) system and ducts, utilizing our patented iDUCT® technology, to transmit wireless signals and ensure a ubiquitous, less obtrusive, aesthetically more viable and a highly cost-effective option for indoor mobile connectivity.

ExteNet has a focused and highly experienced venue acquisition team with extensive real estate expertise who work on securing multi-year agreements with venue owners and managers. Venues also benefit from ExteNet's ability to leverage its existing fiber footprint on or near prominent venues which ensure a quick and cost-effective network provisioning for the wireless carriers and venue owners.

Key Benefits of ExteNet's Indoor Distributed Networks

Multi-carrier and multi-technology (CDMA, GSM, 3G, 4G LTE) support	Enhanced user experience with high-bandwidth indoor mobile connectivity	Increased network scalability & rapid provisioning of additional network capacity and advanced wireless services
Enhanced spectrum utilization and improved network performance	Time to Market advantages due to the expertise of a dedicated and highly experienced Venue Acquisition team	Lower Total Cost of Ownership (TCO)

To learn more about how ExteNet Indoor Distributed Networks can address your needs, send an email to indoor@extenetsystems.com or call 630-505-3800.

COMMERCIAL REAL ESTATE

HEALTHCARE

SPORTS & ENTERTAINMENT

HOSPITALITY

Case Studies

What We Do

Outdoor Networks
Indoor Networks
Our Solutions
Case Studies

New York City

Miami Marlins

Willis Tower

Trump Tower

Circuit of the Americas

Kennedy Center

Empire State Building

Westin Tampa Harbour Island

Barclays Center

Dunkin Donuts Center

355 E Ohio

Simi Valley Hospital