



In-Building Solutions



Maximize revenue and enhance user experience with complete in-building solutions from Andrew

One Company. A World of Solutions.

In-Building Solutions

In any customer scenario, Andrew is your one-stop partner for innovative, cost-effective in-building solutions

Potentially, the wireless explosion is great news for you, the operator, with rapidly increasing customer use of data and voice services holding out the promise of record revenues on an ongoing basis.

However, as customers use their handheld wireless devices, wireless laptops and cell phones more than ever before, the existence of inconsistent coverage areas and dead zones within buildings and across campuses also becomes more apparent than ever before. This cripples the potential for maximum usage—and limits potential revenue growth.

You've seen the results—reduced ROI, customer complaints and endless churn as customers seek out higher quality voice and data services. And now, with accelerating investment in 3G networks delivering an even greater variety of user-based services, the gap between potential and reality is threatening to become even wider still.

Maximize your wireless revenues at all your accounts with the broad range of Andrew coverage and capacity solutions

To be successful in this competitive marketplace, you need the flexibility to quickly and cost-effectively deploy services where the paying customers are, and not be dependent upon where the cell towers happen to be.

Andrew can provide you with the widest range of scalable coverage and capacity solutions under one roof in the world, ensuring consistent quality and one-stop convenience and efficiencies. We can help you meet the needs of every customer, no matter what their industry, their particular budgetary scenario, or their logistical footprint, from small buildings to giant convention centers to corporate campuses or anything in-between. And, we can help you select and deliver a technologically rigorous solution that provides a *fast* return on your investment, generating maximum revenues going forward.



Our comprehensive portfolio includes repeaters and nodes for every size, budget and application; pico nodes for cost-effective signal generation; and passive and active distribution systems. In addition, Andrew also provides state-of-the-art operations and maintenance network management tools, specialized testing and measurement equipment, and a host of other support products and services designed to maximize your success.

Andrew is a complete turn-key vendor, and our Wireless Innovations Group (WIG) delivers unequalled experience in designing and fully deploying the solution that best meets your technical and budgetary targets. WIG personnel are also highly experienced project managers with extensive knowledge of the industry, and can effectively lead a team with representatives from OEMs, complimentary solutions providers or other selected experts as required, ensuring that your project is implemented on time and on budget.

Andrew: Your global partner in ongoing revenue growth

Unique in the industry, Andrew has offices in 35 countries throughout the world, providing you with fast local access to products and services, as well as the extensive, business-enhancing resources available only through a large and established multi-national organization. For example, our unmatched worldwide manufacturing capacity allows us

to respond quickly to your spikes in demand, so we can help you move quickly to capture opportunities, and fuel your continuing growth.

Andrew also delivers the financial stability and proven experience to be a long-term partner, with a seventy year track record of implementing successful solutions for hundreds of organizations around the globe.

Perhaps best of all, Andrew is always moving forward, investing heavily in R&D and developing new products and services to stay at the technological forefront of the industry. That means you can be assured of always having cutting edge solutions at your fingertips as the industry evolves and needs change over time. At Andrew, we grow as you grow, helping you effectively capitalize on new opportunities on an ongoing basis.

In-building, multi-building or over an expansive campus or compound, Andrew has the cutting-edge technology and the in-house expertise to help you find the most effective, cost-effective optimization solution. A solution that will satisfy your customer, satisfy your bottom line, and drive user revenues for years to come.

A proven history of success

Andrew Corporation is the market leader in the global wireless infrastructure industry, designing, manufacturing and delivering innovative products and solutions for operators and original equipment manufacturers around the world. Headquartered in Orland Park, Illinois, USA, Andrew serves customers from facilities in 35 countries. Founded in 1937, Andrew is an S&P 500 company, and is listed on the technology-driven NASDAQ stock exchange under the symbol ANDW.



Maximize wireless revenues



Corporate Facilities

Whether they inhabit a single small building, a towering skyscraper, or a corporate campus, Andrew can help meet your enterprise customers' demands for truly ubiquitous voice and data coverage. We can also help you integrate employee cell phones and desk phones for a complete communications solution, and integrate the corporate LAN with the network for greater communications flexibility. And, with Andrew in your corner, meeting the demands of 3G QOS data commitments will be simple, as you establish an in-building network that is as robust as that in the outside world.

Healthcare

Perhaps no industry is as dependent upon quality wireless performance as healthcare, with wireless telemetry providing cutting edge care in a growing majority of facilities worldwide. Realizing there is no room for compromise, Comsearch, an Andrew company, offers a complete wireless planning consulting service, helping hospitals eradicate harmful interference system-wide. In addition, Andrew solutions can help your healthcare customers achieve the coverage and capacity necessary for total voice and data coverage, as well as voice or LAN integration with the cell network, and content delivery services as demanded. Meeting 3G QOS data service level commitments will no longer be a problem, once you implement an Andrew solution.

Transportation Industry

Andrew delivers an unmatched track record of success in providing consistent service throughout the challenging footprint of airports and train stations. Our wide variety of RF enhancement solutions can help you meet the demands of heavy and constant voice and data traffic anywhere in the complex, as well as confidently meet your 3G QOS data service level commitments. Looking to the future, you can even provide customers with content delivery options as they are demanded.

from any customer in any industry

Andrew's broad range of coverage and capacity solutions can help you meet the current and future needs of any customer of any size in any industry, helping them maximize their wireless use and satisfaction—as well as maximizing your revenues.



Retail Industry

Retailers know that achieving reliable voice and data coverage throughout their stores is key to customer satisfaction and increasing sales, and, working with Andrew, you can help them achieve it quickly and cost-effectively. The promise of content delivery for kiosks, video signage and even shoppers' cell phones is a hot topic in the industry, and you can create the robust network that can help them meet their most ambitious deployment plans.

Hospitality Industry

Like every business, hospitality providers such as hotels, casinos, amusement parks, and conventions centers want to deliver consistent voice quality to their customers, no matter where they happen to be standing. Andrew solutions can help you provide a solution for any budget or scenario. You can also help them develop content delivery capabilities, broadcasting everything from guest messages to promotional material through a robust in-building network. In addition, you can help them achieve a true integration of their voice and cell networks for superior staff coordination and guest communications, while meeting the most demanding 3G QOS data commitments.

Colleges and Universities

Today's campuses are full of demanding, cutting edge technology consumers—and full of opportunities to impress them with your services and develop long-term, post-college customers. Meanwhile, colleges and universities are using the quality of their on-campus networks as a student recruitment and retention tool. You can create winning scenarios by providing consistent high quality voice and data services in every corner of campus, while also creating a network capable of providing advanced services such as content delivery, integrated wired and wireless phone service, cell and LAN integration and more, while meeting or exceeding your QOS commitments.

The Andrew family of products and services—diverse

No matter what the customer challenge, Andrew can build the solution to help you meet it head-on, with innovative technology that delivers a fast return on investment, setting the stage for ongoing revenues.



Front End Capacity Solutions

Maximum Flexibility

Whether the need is to make more efficient use of existing capacity or cost-effectively create new capacity, Andrew, with the most complete line in the industry, has a solution for every budget.

RF Enhancers/Repeater Products

Andrew offers a complete line of high quality low, medium and high power repeaters, from 10 mW to 40 W, allowing you to optimize for any size in-building application.

RF Enhancers/Node X-Products

Our family of revolutionary Node-X products feature Andrew's proprietary ICE technology which cancels interference and allows you to run the nodes at full power without fear of oscillation. Node-X products include Node-C for CDMA carriers, Node-M for UMTS carriers, and coming soon, Node-G for GSM carriers. All Node-X products have digital filtering and auto set-up functionality.

OneBASE™ Pico Node B

Want to add new dedicated UMTS voice and data capacity to the network without buying a new base station? Our family of Pico Node B products allows you to add new channels at a fraction of the cost, and are available in sizes suitable for a small office right up to a large building.

Coverage Solutions

Scalable and Future-Proof

Andrew is the only full line manufacturer of both passive and active distributed antenna systems, ensuring that you can deploy the most effective—and cost-effective—solution possible for any application.

Intelligent Optical Network (ION)

The Andrew Intelligent Optical Network is an industry-leading optical distribution system that covers a full range of power levels, sending signals loss-free at distances ranging from 100m to 20km. ION-B products are suitable for most indoor structures, while the robust ION-M solution can handle nearly any indoor or outdoor environment. Our optical networks provide the bandwidth to meet future broadband data rates.

Radiax® Radiating Cables

Passive RADIAX radiating coaxial cables provide uniform distribution of signal power along the entire cable length, making it ideal for use in tunnels and other confined or highly obstructed spaces. Each cable can distribute multiple services, creating seamless, cost-effective wireless coverage virtually anywhere.

solutions for your diverse challenges

Cutting Edge Support Products and Services Optimizing the User Experience

Andrew has products and services that maximize network potential throughout the life cycle, including tools for planning, testing and measurement, as well as a host of specialized and innovative support services that can help you boost services and drive revenues like never before.

Andrew Integrated Maintenance and Operating System (AIMOS)

The AIMOS Operations and Maintenance Console allows you to bring your complex system of repeaters and distributors under complete control from a central location for a new level of management efficiency. On-screen menus and drag and drop capabilities within your standard browser make this powerful software incredibly easy to use with minimal training.

GEOMETRIX® Location Technology

Andrew's Geometrix Technology is a mobile locating system that enables a wide variety of location-based services and applications such as PBX/cell integration, LAN routing, security tracking and more. Fully scalable and 3G compliant, Geometrix can provide several technologies to estimate mobile locations, including A-GPS, E-CID and U-TDOA.

Wireless Medical Telemetry Services by Comsearch

Comsearch, an Andrew Company, provides a leading edge service to healthcare providers, optimizing in-building networks for clarity and helping to eliminate harmful interference system-wide.

INVEX3G™ Wireless Measurement Solutions

Invex3G is a complete testing and measurement solution, combining rugged laboratory grade hardware and powerful proprietary software to allow precise in-building network monitoring and optimization. A powerful tool, Invex3G can help technicians detect problems even before they are apparent through switch statistics. Completely modular, Invex3G can be readily scaled for any size application. An Invex3G-PC version can be used on a laptop or tablet PC.





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