

Buying for Ultra-Broadband Builds and Services

The best sources of equipment, software and services for delivering voice, video, data and more

If you're looking for help coordinating a complex network project, differentiating a multifamily property, delivering broadband to unserved or underserved communities, upgrading existing networks with state-of-the-art equipment, meeting customers' soaring demand for bandwidth, or attracting new businesses to your community, this is the place to start.

The products and services in this guide make deploying networks and services faster, easier and less expensive than ever before. These vendors can help you plan and execute your project.

The 2022 Buyers Guide is for

- Property owners and developers
- Telecommunications service providers of all kinds
- Companies in related industries,

such as electric utilities, looking to build broadband networks

- Municipal officials and advisers
- Contractors, consultants, integrators and installers
- Banks and other capital sources

Staff members participating in the production of this section included Irene Prescott and Dennise Argil.

Black & Veatch

6800 W. 115th Street, Suite 2292
Overland Park, KS 66211
P: 913-458-2000
W: www.bv.com
Contact: Steve Truebner
E: TruebnerSW@bv.com



Customers: Telcos, Municipalities, Electric Co-ops
Products and Services: Fiber and Cable Connectivity; Optical Fiber and Cable; Design/Engineering/Construction

Black & Veatch is an employee-owned global engineering, procurement and construction company with a more than 100-year track record of innovation in sustainable infrastructure. Since 1915, we have helped our clients improve the lives of people around the world by addressing the resilience and reliability of our most important infrastructure assets.

Leading the Way for Community and Rural Broadband Deployment

Bandwidth needs of communities, industries, and businesses will continue to grow exponentially each year. Community leaders that build their broadband network will effectively close

the urban and rural digital divides and open economic, social, and educational opportunities for their citizens. As a leader in broadband installation and deployment, Black & Veatch ensures communities get internet services they need to thrive in today's digital world. Municipal leaders, legislators, and co-ops partner with us to design, plan, and build rural broadband networks that connect communities and drive progress.

Calix

2777 Orchard Parkway
San Jose, CA 95134
P: 707-766-3000
W: www.calix.com
Contact: Sunny Boyd
E: Sunny.boyd@calix.com



Customers: Telcos, Municipalities, Electric Co-ops
Products and Services: Voice/Video/Internet Services; Fiber and Cable Connectivity; Wireless Broadband Equipment; Optical Fiber and Cable

Calix, Inc. (NYSE: CALX) – Calix cloud and software platforms enable service providers of all types and sizes to

innovate and transform. Our customers utilize the real-time data and insights from Calix platforms to simplify their businesses and deliver experiences that excite their subscribers. The resulting growth in subscriber acquisition, loyalty, and revenue creates more value for their businesses and communities. This is the Calix mission: to enable broadband service providers of all sizes to simplify, excite, and grow.

Charles Industries, LLC

1450 American Lane, 20th Floor
 Schaumburg, IL 60173
 P: 847-806-6300
 W: www.charlesindustries.com
 Contact: Brad Wackerlin
 E: mktserv@charlesindustries.com



Customers: MDU/PCO, Telcos, Cable TV, Municipalities, Electric Co-ops
Products and Services: Fiber and Cable Connectivity; Wireless Broadband Equipment; Wireline Broadband Equipment

Founded in 1968, Charles Industries offers a comprehensive line of active and passive, metallic and non-metallic environmental enclosure solutions for communications and power distribution applications. Supplying telecommunications, wireless, broadband cable, utility and industrial markets worldwide, Charles provides indoor and outdoor equipment and battery cabinets; terminals and closures; buried distribution pedestals; fiber sealed closures, handholes and vaults; concealment shrouds; utility poles; and other enclosure solutions. Since 1968, service providers have trusted Charles to safeguard their mission-critical fiber, copper and wireless network infrastructure, ensuring the highest levels of quality of service and network reliability.



INTEGRITY INTO EVERYTHING
BIG PICTURE.
SMALL DETAIL.

BROADBAND

At Finley, we don't just claim to be experts in rural Broadband funding and deployment, we have a proven track record that is unparalleled in the industry.

We have helped secure millions of dollars in grants and loans on behalf of our clients. And after more than 68 years and hundreds of implementations, we've seen just about everything, and crafted the right future-ready solutions for even the toughest deployment challenges.

From the initial feasibility study to the deployment of your network, we are with you every step of the way, your trusted partner from start to finish.

800 225 9716 | FinleyUSA.com




FINLEY

CHR Solutions

9700 Bissonnet, Suite 2900
Houston, Texas 77036
P: 713-351-5111
W: www.chrsolutions.com
Contact: Jason Malmquist
E: info@chrsolutions.com



Customers: MDU/PCO, Telcos, Cable TV, Municipalities, Electric Co-ops

Products and Services: Back-Office Software; Design/Engineering/Construction; Managed IT & Cybersecurity Services

Building the future of broadband, CHR Solutions specializes in products and services that enable better broadband. We specialize in BSS/OSS software business solutions; broadband engineering services, including outside plant and network design; and Managed IT and NOC services that address the operational and marketplace challenges faced by today's broadband providers. Our approach ensures our clients improve operations and grow revenue.

For the sixth year in a row, CHR's engineering portfolio was named to the **BROADBAND COMMUNITIES** Top 100 Fiber-to-the-Home leaders and innovators list. Our one-of-a-kind approach to how we leverage geospatial data allows our engineering experts to identify and implement broadband solutions that meet your technical needs, timelines, and financial requirements.



Corning Optical Communications

4200 Corning Place
Charlotte, NC 28216
P: 828-901-5000
W: www.corning.com/opcomm
Contact: Alyson Moore
E: Alyson.moore@corning.com

Customers: MDU/PCO, Telcos, Cable TV, Hospitality, Municipalities, Electric Co-ops

Products and Services: Fiber and Cable Connectivity; Wireless Broadband



Equipment; Wireline Broadband Equipment; Optical Fiber and Cable; Design/Engineering/Construction

At last the FTTx preconn breakthrough you've been waiting for: Evolv™ Solutions with PushLok™ Technology. Thanks to our unique Pushlok technology, Evolv terminals are a quarter of the size of conventional preconn products and designed to go anywhere – on poles, façades and strands; and in pedestals and handholes. The Pushlok connector is an entirely different hardened connector form factor with a compact, durable, craft-friendly design. The single-fiber connector leverages an SC APC-compatible ferrule; is backward compatible with widely deployed, threaded OptiTap ports with a field-installed adapter; and can be converted for use with standard SC APC patch panels. Maximize the flexibility and minimize the stress of your FTTx deployment with Corning's full line of preconnectorized solutions.

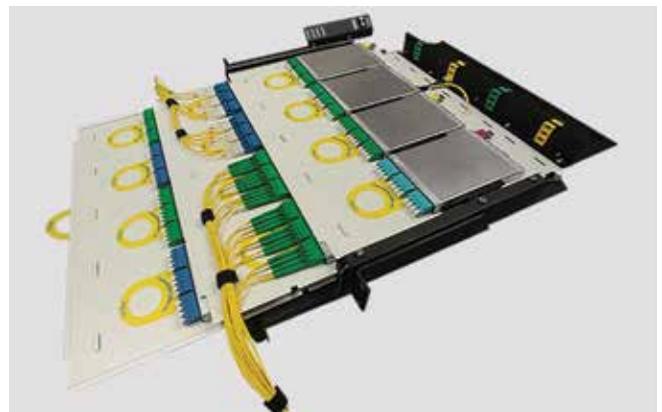
Fiberdyne Labs, Inc.

127 Business Park Dr.
Frankfort, NY 13340
P: 315-895-8470
W: www.Fiberdyne.com
Contact: Peter Polus
E: Peter@Fiberdyne.com



Customers: MDU/PCO, Telcos, Cable TV, Hospitality, Municipalities, Electric Co-ops

Products and Services: Fiber and Cable Connectivity; In-Home Cabling and Networking; Test Equipment;



Wireline Broadband Equipment; Optical Fiber and Cable; Design/Engineering/Construction/Fiber Characterization Testing

Fiberdyne Labs is a manufacturer of custom configurations and stock: cable assemblies including trunk cables, entrance cables and more; termination boxes; WDMs; splitters/couplers; attenuators; MPO cables and cassettes; cat 6 patch cords.

Fiber Instrument Sales, Inc.

161 Clear Rd.
Oriskany, NY 13424
P: 315-736-2206

W: www.fiberinstrumentsales.com

Contact: Anthony Russo, FTTx Product Manager
E: arusso@fissales.com



Customers: MDU/PCO, Telcos, Cable TV, Hospitality, Municipalities, Electric Co-ops

Products and Services: Fiber and Cable Connectivity; Test Equipment; Wireline Broadband Equipment; Optical Fiber and Cable; Fiber Optic Drop Cables

Fiber Instrument Sales Inc. (FIS) is a supplier to fiber-to-the-home providers and contractors with tools, fusion splicers, pre-terminated drop cables, fiber optic test equipment, multiport service terminals (MSTs) and consumables to service fiber connectors prior to installation. FIS is a manufacturer of fiber optic enclosures and has a large selection of network interface device (NID) boxes for installation in inside or outside environments. FIS is a stocking distributor for several recognized fiber brands shipping immediately to avoid project delays. There are no additional charges for drop ships to support large contractors. Rental inventory of OTDRs, optical loss test sets and fusion splicers allows quicker addition of crews. FIS has one of the most affordable splice-on connector solutions in the market, giving users the ability to reduce waste in cable by accurately measuring length of cable needed and installing field connectors. Call FIS and talk to a salesperson about your fiber needs today!

Fibersmith

10283 685th St.
Blooming Prairie,
MN 55917

P: 507-200-0526

W: www.fibersmith.co

E: info@fibersmith.co



Customers: MDU/PCO, Telcos, Cable TV, Municipalities, Electric Co-ops

Products and Services: Back-Office Software; Design/Engineering/Construction

Fibersmith works to expand telecommunication services to rural and historically underserved areas with its B/OSS

software solution, Vision, and engineering services. Our team of professionals brings innovative ideas and expertise to each project they undertake. Vision's location-first approach, along with its lean-practice workflows and third-party integrations, creates a system to avoid swivel-chair and prioritize consistency in all business practices.

Its geospatial approach ensures accuracy and prevents address duplication, while our workflows eliminate extraneous information and reinforce efficiency. The result is a system that initiates automation and promotes industrywide scalability.

When it comes to selecting software, we know experience matters. Vision is built from a hard-earned foundation to support telecom providers in their next stage of expansion. With Vision's software team, clients tap into:

- Decades of telecommunications experience
- Technical knowledge of a wide array of broadband networks and services
- Management insight into the aspects of successful business operations
- A structured approach to process management and best practices for providers of all sizes

Fibersmith's engineering team specializes in fiber network design and telecommunication grant and loan applications, focusing on providers aiming to close the digital divide in rural areas. Our engineers are experts at designing and expanding fiber networks to reach customers in more communities. Our plant management team can help troubleshoot existing networks or shorten the window from design to construction.

Finley Engineering Company, Inc.

104 East 11th Street
Lamar, MO 64759

P: 417-682-5531

W: www.FinleyUSA.com

Contact: Molly White

E: m.white@finleyusa.com



Customers: Telcos; Municipalities; Electric Co-ops

Products and Services: Design/Engineering/Construction; Consulting

Finley provides end-to-end broadband consulting, design and engineering services for building and upgrading future-ready, high-speed networks. As a veteran of the industry, we've seen just about everything and crafted the right solutions for even the toughest challenges. We are with you every step of the way starting with building a business case, finding funding, and identifying the right technical approach. Then we see your project through, becoming a trusted extension of your team. We stand beside you, rolling up our sleeves and tackling the challenges with you, from start to finish.

GigabitNow

12842 Interurban Ave. S
Seattle, WA 98168
P: 866-748-8066
W: www.gigabitnow.com
Contact: Dan Sivils
E: dan@gigabitnow.com



Customers: MDU/PCO, Municipalities

Products and Services: Voice/Video/Internet Services; Design/Engineering/Construction; FTTH network solutions and internet services, including design, construction, operations, connectivity and customer support

GigabitNow's key product is turnkey, custom solutions for the development, construction, operation, support, and delivery of gigabit FTTx internet networks and services. We offer customized fiber internet solutions for small cities, communities, multitenant buildings, and businesses across the West Coast. GigabitNow is the builder and operator of one of the oldest FTTH networks in the United States, the Highlands Fiber Network in Issaquah, Washington, as well as an FTTH network for the fabled Sea Ranch community on the California coast. Most recently, GigabitNow was selected as the ISP for Fullerton, California's FiberCity citywide FTTH deployment and has expanded into the senior living community space, deploying fiber-to-the-unit services to multiple communities in partnership with a West Coast senior living developer.

Focused on delivering networks that are community owned, GigabitNow consults with each community to determine the best approach to meet its needs, then guides the project from design through construction, service delivery, and long-term operation. Once a network is constructed, GigabitNow provides internet services, network management, daily operations, end-user support, and billing. GigabitNow delivers fast, reliable internet free from privacy worries or service constraints, providing the very best internet experience and customer support to every customer. GigabitNow is headquartered in Seattle, Washington, and is a division of IsoFusion Inc., one of the largest privately held ISPs in western Washington, established in 1991.

Lindsay Broadband

2-2035 Fisher Dr.
Peterborough, ON
K9J6X6 Canada
P: 705-742-1350
W: www2.lindsaybb.com/BC
E: info@lindsaybb.com



Customers: MDU/PCO, Telcos, Cable TV, Hospitality, Municipalities, Electric Co-ops; WISPs, Healthcare, Houses of Worship, Education, Government/Military



Products and Services: Fiber and Cable Connectivity; Wireless Broadband Equipment; In-Home Cabling and Networking; Wireline Broadband Equipment; Powering Solutions

Lindsay Broadband has been meeting the needs of broadband providers for more than 65 years with technologically advanced end-to-end solutions for RF, optical, powering, and business connectivity. We offer solutions for FTTx, end-to-end RFoG, GPON/XGS-PON, HFC network rebuilds, CPE, MDUs, in-home networking, network standby and non-standby powering, NIU/CPE UPS systems, LTE/4G/5G/CBRS, small cell connectivity and powering, PoE, in-building cellular, Wi-Fi, IoT, PTP/PTMP, security cameras, digital signage, and many other revenue generating solutions.

MaxCell

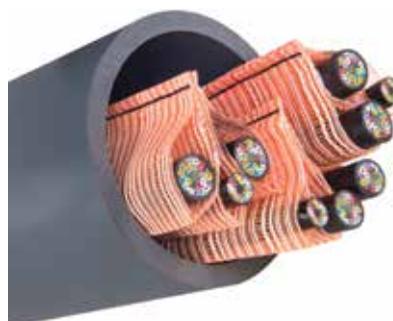
600 Plum Creek Drive
Wadsworth, OH 44281
P: 717-881-9246
W: www.maxcell.us
Contact: Melissa Hennigan
E: mhennigan@maxcell.com



Customers: MDU/PCO, Telcos, Cable TV, Hospitality, Municipalities, Electric Co-Ops, Military
Products and Services: Fiber and Cable Connectivity; Optical Fiber and Cable

MaxCell, the flexible fabric innerduct, allows increased cable density in a conduit while preserving space for future bandwidth expansion. MaxCell's unique fabric construction conforms to the cables placed within, greatly reducing wasted space compared with rigid innerduct.

Whether for greenfield or congested conduits, curb-



to-building or ISP, MaxCell flexible fabric innerduct excels in all applications. Available in sizes to fit all conduits, MaxCell adds pathways quickly and is installed easily and cost-effectively. The

bottom line: MaxCell helps you expand broadband capacity today, preserves space for future bandwidth requirements, and reduces total project costs. Plan for the fiber network of tomorrow when building today with MaxCell Edge!

Millennium

120 S. Wright St.
Delavan, WI 53115
P: 262-249-8705

W: www.mymillennium.us
Contact: Sharon Wright
E: Sharon.wright@mtpllc.us



Customers: Telcos, Municipalities, Electric Co-ops
Products and Services: Fiber and Cable Connectivity; In-Home Cabling and Networking; Test Equipment; Optical Fiber and Cable; Design/Engineering/Construction

Millennium is a nationwide distributor of fiber optic network materials and we provide a host of solutions from engineering and design to rental and leasing of capital equipment for network owners and their contractors. From development to deployment, we provide solutions to help you make your network more reliable, manage your project and material needs, and inventory materials to expand your network that will save you money by eliminating issues. Our unique approach to personalized service, flexible financing options, and client-driven inventory provides the resources you need to succeed and grow.

**TAKE THE
WORK OUT OF
NETWORK.**

MILLENNIUM

We partner with you to remove roadblocks that get in the way of designing, financing, and building a faster, more reliable broadband network.

OFS

2100 Northeast Expressway
Norcross, GA 30071
P: 860-678-6522
W: www.ofsoptics.com
Contact: Michael Fortin
E: mfortin@ofsoptics.com



Customers: MDU/PCO; Telcos; Cable TV; Hospitality; Municipalities; Electric Co-ops
Products and Services: Fiber and Cable Connectivity; Design/Engineering/Construction

The OFS InvisiLight Solution is fiber installed inside an apartment or home that blends into its environment and is nearly invisible to anyone looking directly at it, solving aesthetic issues inside the home or apartment. Originally, stapling cables inside the home was acceptable. Now, many customers don't want to see the fiber at all. The OFS InvisiLight Solution gets the fiber deep inside to the ONT. Connectors on both ends of the InvisiLight spool make it easier to deploy a single part number that can cover up to 132 feet. We have both a 12-fiber and a 16-fiber version for MDU hallways, which can go down the hallway and drop off the single fiber InvisiLight into the living unit.



Preformed Line Products

660 Beta Drive
Cleveland, OH 44143
P: 440-461-5200
W: www.plp.com
E: info@plp.com



Customers: MDU/PCO, Telcos, Cable TV, Municipalities, Electric Co-ops
Products and Services: Fiber and Cable Connectivity; Design/Engineering/Construction

PLP (Preformed Line Products) protects the world's most critical connections by creating stronger and more reliable networks. The company's precision-engineered solutions are trusted by energy and communications providers worldwide to perform better and last longer. With locations in more than 20 countries, PLP works as a united global corporation, delivering high-quality products and unparalleled service to customers around the world.

PLP's trusted line of COYOTE® fiber optic closures, cabinets, NIDs, and connectivity solutions, combined with our knowledgeable sales and technical support teams, provide customers with quality products and unparalleled service they can count on.

Quantum Fiber

100 CenturyLink Ave.
Monroe, LA 71203
P: 855-748-6123
W: www.q.com/connectedcommunities
Contact: Katie Cooper
E: katie.cooper@lumen.com



Customers: MDU/PCO
Products and Services: Voice/Video/Internet Services; Fiber and Cable Connectivity; In-Home Cabling and Networking; Optical Fiber and Cable

Born from a strong heritage, Quantum Fiber is a new Lumen Technologies brand that has taken the leap forward into next-



generation, fully digital internet solutions. Transforming from CenturyLink Fiber, Quantum Fiber opens up possibilities for builders, developers, and property owners ready to modernize their properties and future builds.

With expertise from Quantum Fiber™ Connected Communities, we create long-term partnerships through tailored solutions. Quantum Fiber uses the power of Lumen's extensive fiber network, infrastructure, and global cyber monitoring to provide exceptional service, reinforcing our promise to deliver internet for what's now and what's next.

R&M USA Inc.

840 Yosemite Way
Milpitas, CA 95035
P: 408-945-6626
W: www.rdm.com
Contact: Aslam Zuberi
E: aslam.zuberi@rdm.com



Customers: MDU/PCO, Telcos, Cable TV, Hospitality, Municipalities, Electric Co-ops, ISPs
Products and Services: Fiber and Cable Connectivity

R&M (www.rdm.com) is a globally active company in the information and communication technology sectors, with U.S. offices in California and Maryland. The company develops, manufactures, and sells future-proof products and systems for communication and data networks. Thanks to its innovative strength, R&M now covers the entire connectivity range alongside network cabling. R&M network solutions can be used in LAN, telecommunication, fiber to the home and data centers. The family company, founded in 1964, has its own production plants in 13 locations.

R&M products are available for:

- **Central office:** Customer-specific solutions for effective assembly, future-proof expansion, and effective operation of fiber optics connectivity-based distribution frames.
- **Outside plant:** Complete portfolio of robust street cabinets, underground closures and distribution boxes offering latest technology in fiber connectivity and management.



- **Customer premises, buildings, and cell sites:**
Efficient solutions for supplying different buildings and urban infrastructure with fiber optic connectivity.

Spectrum Community Solutions

400 Washington Blvd, 3rd Floor
Stamford, CT 06902

W: www.Spectrumcommunitysolutions.com

E: Spectrumcommunitysolutionsales@charter.com



Customers: MDU/PCO

Products and Services: Voice/Video/Internet Services

Charter Communications, Inc. is a leading broadband connectivity company and cable operator serving more than 31 million customers in 41 states through its Spectrum brand. Over an advanced communications network, the Stamford, CT-based company offers a full range of state-of-the-art residential and business services including Spectrum Internet®, TV, Mobile and Voice.

Spectrum Community Solutions, Charter's brand dedicated to the multifamily industry, offers industry-leading wired and wireless broadband and video services to residents of single-family gated communities, homeowners' associations, apartments, off-campus student housing, senior residences, RV parks and marinas throughout Spectrum's service area. Spectrum Community Solutions has a specialized customer service team with four U.S. call centers and representatives available around the clock to assist residents directly, as well as a dedicated hotline for property managers.

Broadband services include Spectrum Community WiFi, which provides a managed high-speed Wi-Fi network solution to multifamily housing facilities. This service includes speeds up to 1 gigabit for residents and provides optimal security and performance for each user to stream movies and shows, download apps and music, and shop and search online from their mobile devices, anywhere on the property.

Spectrum Community Solutions offers an assortment of TV solutions and channel packages to meet the varying needs of multifamily communities. The Worldbox digital receiver, capable of delivering 200+ channels, along with Charter's flagship Spectrum Guide on-screen experience, and other TV solutions are available now and can allow a property to avoid in-room resident equipment, connect to analog TVs, or insert on-premise content. When broadband services are bundled with a video package, residents also have the ability to stream content from the Spectrum TV App, which is available on mobile devices, SpectrumTV.com, and most digital media players, such as Roku, Apple TV, Samsung TV, Xbox, and Chromecast.

More information about Charter and Spectrum Community Solutions can be found at SpectrumCommunitySolutions.com.

Walker

7129 Old Hwy 52
Welcome, NC 27374

P: 800.WALKER1

Contact: Emily Wilson-Craver

E: emily.wilson-craver@walkerfirst.com



Customers: MDU/PCO, Telcos, Cable TV, Municipalities, Electric Co-ops

Products and Services: Fiber and Cable Connectivity; Wireless Broadband Equipment; In-Home Cabling and Networking; Test Equipment; Wireline Broadband Equipment; Optical Fiber and Cable; Design/Engineering/Construction

Offering state-of-the-art supply chain and logistics solutions, Walker makes it simple for you to purchase and install the products you need. We maintain a thorough and efficient state-of-the-art distribution system, saving customers time and money with logistics expertise in warehousing, asset management, barcoding, scanning, configuration services, custom network deployment kits, and more.

In July 2021, USTC Corp, a leading value-added distributor and one-stop shop of telecommunications materials and supply chain solutions headquartered in Edison, N.J., acquired Walker and Comstar Supply. Together, Walker, USTC Corp, and Comstar Supply remain dedicated to ensuring that our customers and suppliers continue to receive the same level of care, commitment, and quality that they have enjoyed for more than 70 years combined, while taking advantage of our increased global purchasing power.

Backed by Washington, D.C.-headquartered global investment firm Carlyle, USTC and the global ETC Group including Walker and Comstar Supply broadens its support profile with:

- More than \$1B in sales revenue
- More than 400 employees in the U.S. and over 1,100 worldwide
- More than 950,000 square feet of indoor and outdoor warehouse and storage capacity across seven U.S. distribution centers
- A portfolio of 17,000+ state-of-the-art products available from more than 700 industry leading manufacturing partners, and the best in logistics solutions

WideOpen Networks Inc.

2000 Kraft Drive, Suite 2150

Blacksburg, VA 24060

P: 540-552-2150

W: www.wideopennetworks.us

Contact: Dave Sobotta

E: dsobotta@wideopennetworks.us



Customers: Municipalities and communities

Products and Services: Fiber and Cable Connectivity;
Design/Engineering/Construction

WideOpen Networks provides network design, business

and financial planning, network construction, and network operations for public and private networks. WideOpen designs, builds, and manages gigabit fiber networks and high-performance wireless broadband. Our networks are designed with the choice of providers, choice of services, and true competitive pricing built in.

WideOpen's networks are truly "wide open," with customer-focused technical design and net neutrality and customer privacy baked into the business model. WideOpen Networks has a record of successful municipal and local government network projects. Our planning work has led to millions of dollars in successful grant applications, and our project management and network construction expertise bring local government network buildouts in on time and within budget. Call us for a free consultation on how we can help your community become a gigabit intelligent community. ❖

BUYERS GUIDE

COMPANY

COMPANY	CUSTOMERS							PRODUCTS/SERVICES												
	MDU/PCO	Telcos	Cable TV	Hospitality	Municipalities	Electric Co-ops	WISPs and Other ISPs	Military and Others	Voice/Video/Internet Services	Fiber and Cable Connectivity	Wireless Broadband Equipment	In-Home Cabling and Networking	Test Equipment	Wireline Broadband Equipment	Back-Office Software	Optical Fiber and Cable	Design/Engineering/Construction	Managed IT & Cybersecurity Services	Consulting	Powering Solutions
Black & Veatch		✓			✓	✓				✓						✓	✓			
Calix		✓			✓	✓			✓	✓	✓					✓				
Charles Industries, LLC	✓	✓	✓		✓	✓				✓	✓			✓						
CHR Solutions	✓	✓	✓		✓	✓								✓		✓	✓			
Corning Optical Communications	✓	✓	✓	✓	✓	✓				✓	✓			✓		✓	✓			
Fiberdyne Labs, Inc.	✓	✓	✓	✓	✓	✓				✓		✓	✓	✓		✓	✓			
Fiber Instrument Sales, Inc.	✓	✓	✓	✓	✓	✓				✓		✓	✓		✓					
Fibersmith	✓	✓	✓		✓	✓								✓		✓				
Finley Engineering Copmany, Inc.		✓			✓	✓										✓			✓	
GigabitNow	✓				✓				✓								✓			
Lindsay Broadband	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓						✓
MaxCell	✓	✓	✓	✓	✓	✓		✓		✓					✓					
Millennium		✓			✓	✓				✓		✓			✓	✓				
OFS	✓	✓	✓	✓	✓	✓				✓						✓				
Preformed Line Products	✓	✓	✓		✓	✓				✓						✓				
Quantum Fiber	✓								✓	✓		✓				✓				
R&M USA Inc.	✓	✓	✓	✓	✓	✓	✓			✓										
Spectrum Community Solutions	✓				✓			✓	✓	✓	✓									
Walker	✓	✓	✓		✓	✓				✓	✓	✓	✓	✓		✓	✓			
WideOpen Networks Inc.					✓					✓						✓				