Companies Whose Offerings Support Fiber for the New Economy

3-GIS
www.3-gis.com

Named one of Inc. 5000's Fastest Growing Companies and one of the **Broadband Communities** FTTH Top 100 two years running, 3-GIS is a leading innovator of smart GIS solutions to plan, design, construct and manage the physical components of FTTx networks. 3-GIS Design Services, powered by the 3-GIS Fiber Network Solutions platform, empowers better decisions through automated planning. We eliminate guesswork and generate the lowest-cost fiber network design up to 50 percent faster than traditional planning methods. Once the network design is completed, our seamlessly integrated web and mobile tools facilitate the flow of information among designers, engineers, field crews and clients in real time to ensure the network data is accurate and ready to manage upon completion. Learn more at www.3-gis.com

ADTRAN
www.adtran.com

Gigabit broadband is transforming the way we live, work and play. ADTRAN is accelerating the delivery of premium broadband with rapidly deployable solutions that leverage existing network infrastructure, speed time to market and reduce deployment costs. Learn more at adtran.com/broadband.

AT&T
www.att.com/communities

At AT&T, we're bringing it all together. We deliver advanced mobile services, next-generation TV, high-speed Internet and smart solutions for people and businesses. That's why we stand alone as a fully integrated solution provider. Fast, highly secure and mobile connectivity – to everything on the internet, everywhere, at every moment and on every device – is what drives us. It's reflected in our mission: Connect people with their world, everywhere they live, work and play … and do it better than anyone else so our customers can stay connected from nearly anywhere. It doesn't matter if they're driving home from work or traveling across the country or beyond. Customers want to enjoy their favorite movies, TV shows, music and sports on any screen. We're the largest provider of pay TV in the United States and the world, so we're setting the standard for delivering video when, where and how customers want it. AT&T GigaPower delivers ultra-fast Internet speeds to homes and small businesses. Our customers get blazing fast speeds. They can download 25 songs in one second, a favorite TV show in less than three seconds or an online HD movie in less than 36 seconds.

Calix
www.calix.com

Calix is a global leader in access innovation and North America's leading provider of fiber

access solutions, systems, software and services. Municipalities and utilities worldwide leverage Calix fiber access expertise to become the broadband service providers of choice to their subscribers. Visit www.calix.com for more information.

Charles Industries Ltd.
www.charlesindustries.com

Charles Industries Ltd. designs and manufactures buried distribution pedestals and remote cabinet enclosures for telecommunications, wireless, utility, MSO and municipality service providers. Charles Fiber Distribution Point (CFDP) pedestals offer closed-architecture protection for ribbon fiber and loose buffer-tube fiber. Buried Distribution Optical (BDO) open-architecture fiber pedestals offer a lower-cost alternative for cost-conscious deployments. Charles also offers a full line of below-grade enclosures for buried handhole and vault placements.

Charles Universal Broadband Enclosures (CUBE) are metallic indoor and outdoor cabinets that provide environmental protection for wireless backhaul, site support, battery backup and small cell applications. Charles Fiber Interconnect Terminals (CFIT), Building Terminals (CFBT) and Transition Terminals (CFTT) provide fiber demarcation and aggregation for MDU and other multiuser locations. New CFIT-Flex Universal Enclosures are configurable to the unique requirements of any fiber, copper or coaxial distribution point of up to 72 subscribers.

Made in the USA • ISO 9000/TL9001 Registered
• www.charlesindustries.com

Clearfield
www.seeclearfield.com

When it comes to distribution, consolidation, management and protection of fiber, nothing comes close to Clearfield's streamlined, practical approach. Designed for scalable deployment, craft-friendly operation and unsurpassed performance, Clearfield's line of panels, frames, cabinets, optical components and full range of fiber optic assemblies and patch cords have the simplicity in design that delivers lowest total cost of ownership.

Clearfield's FieldShield fiber delivery system delivers a simple, fast fiber pathway through all points of the network to provide a total end-to-end solution. FieldShield pushable fiber,

microduct and Clearfield last-mile drop technologies save providers time and money with labor-lite designs that reduce labor and skill at installation and at the pre-engineering stage.

Clearfield is the Fiber to the Anywhere company – with a Fiber to the Anywhere product platform. Whether you're delivering fiber to the home, business or cell site, Clearfield has the product design methodology to address your unique requirements for your entire range of applications.

COS Systems
www.cossystems.com

COS Systems delivers cloud-hosted software to plan, build and manage broadband networks globally.

COS Service Zones allows network builders to draw competing zones, or "Fiberhoods," across their cities and see real-time demand grow as customers sign up using branded websites. Once target take rates are reached, the networks are deployed backed by committed customers and secured revenue. COS Service Zones delivers subscriber-backed, successful broadband networks and no more failed projects.

COS Business Engine is a proven network management solution that supports both single-provider and open-access networks. Subscribers buy their internet services from an online marketplace, which increases take rates, ARPU and customer satisfaction as network owners can offer 24/7 availability while reaching maximum operations efficiency thanks to the extensive use of self-service solutions.

COS Systems takes customer needs and creates innovative software solutions that streamline customers' business processes, boost sales and profitability, and create satisfied customers.

GLDS
www.glds.com

A BROADBAND COMMUNITIES FTTH Top 100 Company, GLDS sets the standard for best-of-suite broadband billing, customer management and provisioning. Stand-alone or cloud-based solutions, attractive Windows-based interface and robust SQL database provide tier-1 features without the tier-1 price.

FTTH, IPTV, digital and analog set-top boxes, conditional access satellite receivers, cable modems, VOD and VoIP can all be managed directly from the WinCable and BroadHub billing systems. GLDS also offers a mobile app for field-based workforce management as well as telephone and web-based customer self-care.

- Designed for anyone offering broadband or services over broadband
- Billing and provisioning support for FTTH, digital, IPTV, interdiction, VoIP and more
- Landlord/tenant billing options
- Low-cost stand-alone or cloud-based solutions

Serving small and mid-sized operators, GLDS has implemented its solutions for more than 400 broadband operators in 49 U.S. states and 45 countries worldwide. For more information, contact GLDS Sales at 800-882-7950 or visit www.glds.com

MaxCell
www.maxcell.us

MaxCell is revolutionizing the network construction industry with its flexible, multicelled, fabric innerduct solution. Compared with rigid innerduct, MaxCell allows network owners and builders to increase their cable density by as much as 300 percent. It maximizes space, minimizes costs and allows overlay without breaking new ground.

MaxCell *FABRIC INNERDUCT*

Conduit Maximization Solutions

MaxSpace is a new, patent-pending, no-dig technology and construction method that safely removes existing innerduct from around active fiber optic cables with virtually no load on the cables and no interruption of service. As the innerducts are removed, cables migrate to bottom of the outer conduit. Once all innerducts are removed, up to 90 percent of conduit space is recovered, allowing up to nine more cables to be placed in the reclaimed space of a conduit that was once considered full.

Visit www.maxcell.us for more information.

Pavlov Media
www.pavlovmedia.com

Pavlov Media is a leading network provider in the MDU space and the largest private provider of broadband services to off-campus student housing communities in the United States. It builds and runs networks for nearly 700 apartment communities in 43 states and Canada. Pavlov Media's 10 gigabit national fiber backbone network enables the delivery of internet speed up to 1 Gbps. Other recent speed-enhancing innovations include launching WebSnap – a set of traffic management techniques that enable fast web page loading through superfast blasts of service – and hosting a root domain name server on its network to improve latency. Pavlov Media launched its first fiber to the unit a few years ago and now supplies FTTU to thousands of apartments. Pavlov Media was founded in 1994 and is headquartered in Champaign, Illinois.

S&N Communications
sncomm.com

S&N COMMUNICATIONS

S&N Communications is the foremost resource in wired and wireless infrastructure construction, electric and gas construction, professional services, site development and underground utility locating. Established in 1977, S&N employs more than 1,250 employees nationwide, operating out of 60 field offices in 38 states.

With our subsidiary partners, Tower16, SCE and Stake Center Locating, we've built our company into a one-stop partner for utility construction services. Combined, we've installed more than 60 million feet of fiber optic cable and connected more than 1 million homes and businesses with telecom, cable, gas and electric services. We've provided professional and management services for thousands of wireless tower projects and RF technology solutions for numerous wireless carriers and infrastructure deployment companies.

At S&N, we make the claim "We've Got This." What does this mean for our customers? It means that, no matter the stage of your project, if you're working with S&N, you're in good hands.

Spectrum Community Solutions
www.Spectrumcommunitysolutions.com

Spectrum | COMMUNITY SOLUTIONS

Spectrum Community Solutions is dedicated to the multifamily industry. By providing customized Wi-Fi, TV and voice solutions, we partner with multifamily housing professionals to enable them to exceed their goals and enhance their businesses. Spectrum Community Solutions integrates superior entertainment and communications products with dedicated 24/7 customer and technical support, helping property owners attract and retain more residents and increase property value.

We bring customized solutions with Wi-Fi by providing a high-speed, professionally managed Wi-Fi service with fiber speeds over 1 Gbps. Residents can stream video, download music, upload photos and more from their portable devices everywhere on the property, including the pool, fitness facilities or the laundry room. It's simple to manage, reliable and easy to install. Spectrumcommunitysolutions.com ❖