

Companies Whose Offerings Support Fiber for the New Economy

Calix

W: 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

P: 847-806-8300

W: www.charlesindustries.com



Charles Industries' "Innovative Enclosed Solutions" play a vital role in protecting the infrastructure assets of the fiber networks that form the backbone of the new economy. Service providers rely on Charles fiber pedestals, terminals, enclosures, interconnects and cross-connects to house and protect fiber splice and drop points along the entire distribution network. With a wide array of both indoor and outdoor solutions, Charles' fiber enclosures protect the routers, multiplexers, radios, smart meters, battery backup systems and other essential wireline and wireless network elements of new economy communications systems.

Charles CUBE metallic enclosures, CFBT/CFIT building terminals, CFRS rack solutions, nonmetallic CDFP/BDO distribution

pedestals, CFXC cross-connects and CFIT-Flex universal enclosures together provide a full line of environmentally protected solutions for deploying fiber in both outside plant and in-building environments. Charles designs each solution for compactness, flexibility in fiber splicing methods and materials, reliability, ease of deployment and lowest life cycle cost.

Clearfield

P: 800-422-2537

W: www.SeeClearfield.com



CLEARFIELD

Looking for a better way to consolidate, protect and distribute fiber? Clearfield's approach to fiber management promises scalable deployment, craft-friendly operation and unsurpassed performance.

Plug-and-play solutions are called upon to reduce labor at the time of installation. But traditional plug-and-play solutions put an added burden on network design, requiring extensive site engineering to ensure proper lengths are called out. The new frontier in plug-and-play is Clearfield's labor-lite technologies that are more forgiving in the required pre-engineering. Labor-lite products take the reduced need for labor and skill level needed all the way back to the pre-engineering stage.

Laying out the backbone of the network with Clearfield's FieldShield Pushable Fiber, FieldShield StrongFiber (the industry's first

900um OSP drop cable) and with preterminated, field-assembled (not spliced) connectors, simplifies and speeds up fiber installations and maintenance. The need for slack storage, the nemesis of traditional plug-and-play technology, is minimized. Instead of taking a week or more, services can now be turned up very quickly, often in a few days, using unspecialized labor. This means service providers can start generating revenue immediately instead of waiting for the traditionally long installation cycle to be completed

Corning

P: 607-974-9000

W: www.corning.com



Drawing on more than 160 years of materials science and process engineering knowledge, Corning creates and makes keystone components that enable high-technology systems for consumer electronics, mobile emissions control, telecommunications and life sciences. Corning Optical Communications, part of Corning's telecommunications segment, is a leading manufacturer of fiber optic communications system solutions for voice, data and video network applications worldwide. We offer the broadest range of end-to-end fiber optic and copper product solutions for telecommunications networks while also providing network design and installation services.

COS Systems

P: 800-562-1730

W: www.cossystems.com



COS Systems' cloud-hosted software helps deployers plan, deploy and manage modern broadband networks that deliver services from one or more providers. COS Service Zones is a demand aggregation tool that enables network builders to identify grassroots interest in better broadband, spread awareness of their projects and presell Internet connections using a fiberhood approach. COS Business Engine is a BSS/OSS suite for managing and operating gigabit fiber networks. It enables network operators to easily market and offer services from multiple providers in an online marketplace. COS clients include private Internet service providers and

operators, public-private partnerships, municipalities, utilities and housing cooperatives in the United States, Sweden and South Africa. In the last year, COS Systems has rapidly expanded its customer base, mainly in the United States, where multiple customers are now running or preparing to launch COS Service Zones campaigns. Privately held COS Systems is headquartered in Umea, Sweden, and has U.S. headquarters in New York City.

DrayTek

P: 1-214-461-0149

W: www.draytek.com

W: www.draytekusa.com

DrayTek

DrayTek provides unified management software for managed service providers that deploy Vigor routers for offices and professionals using FTTx. The versatile management software can help assure business continuity.

ex2 Technology, LLC

P: 844-392-2872

W: ex2technology.com



Our company delivers multifaceted solutions and services to your network project with greater efficiency, less cost and a streamlined acquisition process. We specialize in financing, designing, installing and maintaining robust broadband, intelligent transportation and critical infrastructure networks for government agencies, consortiums and public/private partnerships (P3). Our business is a single-source solutions provider for communities and public agencies seeking to build or enhance their intelligent infrastructure.

Simply put, we're a network design/build firm that brings financing options and creative funding alternatives to the partnership. Our philosophy is that completing your project and maintaining it for the long haul is just as important as finding a way to fund it.

By connecting public agencies and communities to the gigabit world, we foster economic development, advanced communications, improved interoperability and public safety, innovative telehealth and enriched education. Our team has the extensive knowledge, ability and industry expertise to provide an unprecedented single-source solution. We'll deliver tomorrow's next-generation networks.

GLDS

P: 800-882-7950
W: www.glds.com



A **BROADBAND COMMUNITIES** 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

P: 888-387-3828
W: www.maxcell.us



Conduit Maximization Solutions

MaxCell is the only flexible fabric innerduct system designed specifically for the fiber and network construction industries. The unique fabric construction allows MaxCell to conform to the shape of cables placed within, greatly reducing the wasted space associated with rigid innerduct. Network operators that use MaxCell can increase their fiber cable density by as much as 300 percent.

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 fiber cables to be placed in the reclaimed space of a conduit that was once considered full.

Visit www.maxcell.us for more information on how MaxCell and MaxSpace can greatly increase fiber density in communications networks.

S&N Communications

P: 336-992-5420
W: www.sncomm.com



More jobs. Increased revenues. Safety. Continuity of service. When it comes to fiber for the new economy, no other company contributes more than S&N. In the last five years, we've buried more than 60 million feet of fiber, resulting in economic gains for the states in which we work. And we're not stopping. S&N expects exponential growth in the next several years from our buried fiber and complete backbone-to-tower capabilities, including professional services, site analysis, site acquisition, site development, zoning, permitting, utility locating, and tower construction and maintenance. Toss in fewer service outages and better service continuity thanks to buried fiber that isn't impacted by storms and environmental factors, and you have a company leading our nation into the fiber-filled world of the future. And as always, safety comes first.

We're S&N. We've got this.

Smart Communication Systems, LLC

P: 813-620-3192
P: 336-706-1605
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SMART COMMUNICATION SYSTEMS, LLC

"Build it SMART from the Start"

Since our founding in early 2007, we have been a recognized premier service provider of OSP construction services nationwide. We specialize in the installation of HDPE and fiber optic cable by trenching, plowing, directional drilling (dirt or rock), microtrenching, rock trenching/sawing and aerial installation of strand/fiber, including ADSS, handholes, manholes, splicing and testing, bridge attachments, and fiber blowing and pulling. In addition, we offer OSP design/engineering, route development, feasibility studies, project management and construction inspection. The company is fully insured and licensed as required with bonding capacity to \$25 million. It has all company-owned, late-model vehicles and equipment, and the staff of 157 average 10 to 40 years of experience. Our top-quality work and high daily production affords clients speed to market. Our safety record, customer satisfaction, respect for property owners both private as well as public, and ability to continually meet project target completion dates within budget constraints are second to none.

We're open and receptive to all types of contracts. Our client base includes an impressive list of demanding carriers and contractors requiring long-haul fiber builds, FTTH, FTTH, FTTP, fiber rings for network redundancy and fiber backhauls in all types of environments and geographic conditions. ❖