GigE+ NETWORK NEWS

The GigE Plus Fiber Optic Network operates as a high capacity, backhaul network for providing high availability service to interconnected local Broadband Providers and Carriers. The backhaul network, also, facilitates the delivery of new and improved broadband services to rural and underserved communities in Ohio, Michigan and Indiana. The GigE Plus Fiber Optic Network was established through Independents Fiber Network, a wholly-owned subsidiary of Com Net, Inc. (CNI), that provides improved Ethernet connectivity for powering next generation voice, video and data services to its interconnected Broadband Service Providers.

GigE+ Deployment Updates

CNI has and will continue to progress with equipment deployment and city-pair cut-overs throughout 2013.

Throughout Q1, CNI turned up the following city-pairs: 1946 N. 13th St. Toledo, Ohio and 3916 CR220 Findlay, Ohio; 3916 CR220 Findlay, Ohio and 5990 W. Tiffin St. Bascom, Ohio; 21980 St. Rt. 637 Defiance, Ohio and 105 W. Vine St. Sherwood, Ohio; 5707 N. West St. Lima, Ohio and 8920 CR91 Lewiston, Ohio; 105 E. Holland St. Archbold, Ohio and 115 S. Main St. Waldron, Ohio; 105 E. Holland St. Archbold, Ohio and Co Hwy 204 Antwerp, Ohio; 21980 St. Rt. 637 Defiance, Ohio and 27932 Watson Rd. Defiance, Ohio; 27932 Watson Rd. Defiance, Ohio and 923 Walnut St. New Barvaria, Ohio; 923 Walnut St. New Barvaria, Ohio and 121 E. Main St. Kalida, Ohio; 121 E. Main St. Kalida, Ohio and 245 W. Third St. Ottoville, Ohio; 11941 Twp Rd. 108 Findlay, Ohio and 140 Main St. Benton Ridge, Ohio; 140 Main St. Benton Ridge, Ohio and 135 S. Main St. Glandorf, Ohio; 135 S. Main St. Glandorf, Ohio and 187 N. Water St. Vaughnsvile, Ohio; 187 N. Water St. Vaughnsville, Ohio and 5707 N. West St. Lima, Ohio; 245 W. Third St. Ottoville, Ohio and 65 W. Third St. Ft. Jennings, Ohio; 65 W. Third St. Ft. Jennings, Ohio and 5707 N. West St. Lima, Ohio; 126 Scioto St. Urbana, Ohio and 6097 Ohio 235 Huntsville, Ohio.

In addition, CNI secured an easement for the deployment of a new Point-of-Presence in west-central Ohio, and we are continuing to deploy services to Community Anchor Institutions (CAIs).

Independents Fiber Network Acquires Fiber Assets of FSO

In the latter part of January, Independents Fiber Network announced that it completed the acquisition of fiber assets that were held by Fiber Solutions of Ohio (FSO) as of December 20, 2012. The acquisition consisted of a contiguous 13 mile route across rural Allen County in Ohio that linked facilities of Ohio Independent Telephone Companies operating in Allen, Auglaize and Putnam counties.

The acquired fiber assets from FSO, when combined with route miles constructed by CNI in 2012, increase the fiber optic route assets owned by CNI and its subsidiary to an excess of 700 miles.

Tim Berelsman, CNI's Chief Executive Officer, commented on the acquisition stating, "The fiber optic route acquired from FSO is a very important span in our GigE Plus Fiber Optic Network. CNI depends on the route for delivering its wholesale voice, video and data services to its local communication provider clients throughout Western Ohio and Southern Michigan."

The ongoing viability of these facilities is important to CNI and its clients due to the critical role the route fulfills in its GigE Plus Fiber Optic Network for the delivery of CNI services to its clients. Lastly, the acquisition put these facilities under the control and management of CNI's wholly-owned subsidiary, which is critical for the corporation's long-term success.

Network Connectivity to Chicago Upgraded

During the first week of February, Independents Fiber Network announced that it had a second connection to Chicago, IL. The new connection runs between the GigE Plus Point-of-Presence (PoP) sites located at 350 E. Cermak St. in Chicago, Illinois, The INDATEL Services' Ethernet Exchange, and the 535 Sherers Ct. in Columbus, Ohio. This circuit allows Independents Fiber Network to provide its parent company, CNI, a direct peering relationship with over 20 Content Delivery Networks (CDNs) including Google, Netflix and YouTube. By having a direct peering relationship through the INDATEL Ethernet Exchange, Internet subscribers benefit through a high-speed, low-latency connection. This partnership between Independents Fiber Network and INDATEL, also, provides Independents Fiber Network the ability to deliver point-to-point connections to clients across North America.

CNI's Director of Technical Operations, Aaron Holtz, commented on the upgrade, "We saw benefits within the first few hours of activation. In fact, the new circuit was upgraded to keep pace with the increase of capacity to the CDNs. The relationship has, also, enhanced our ability to provide transport solutions to customer locations nationally and internationally."

Independents Fiber Network & Cyan Partner to Bring 100G to Ohio

Independents Fiber Network and Cyan, a leader in software-defined networks (SDNs) for service providers and data center operators, announced the successful demonstration of 100G services over the GigE Plus Fiber Optic Network in mid-April of this year. The demonstration, which employed test equipment donated by JDSU, delivered both 100G wavelengths and 100 Gigabit Ethernet connections over the network. With exploding bandwidth demand resulting from cloud-based applications and storage, as well as, streaming video, 100G services are expected to become commonplace for wholesale, data center interconnect and large business applications.

CNI's, Chief Technology Officer Randy Plaisier, made comment to the announcement, "This is an important milestone for service providers in Northwest Ohio. It validates the feasibility of 100G services, both from a cost and functionality standpoint. As we continue to experience an explosion in bandwidth demand for cloud services, streaming media and mobile devices, 100G services will become increasingly vital."

Independents Fiber Network will offer the 100G services over the GigE Plus Fiber Optic Network. The network will allow Independents Fiber Network and

Other providers in Northwest Ohio to offer a variety of standards-compliant, high-speed Ethernet services to their business and governmental customers. Cyan's VP of Systems Engineering, Chris Warhurst, stated, "CNI has once again shown it is on the leading edge of practically deployable technology. In addition to wholesale services for its carrier customers, Independents Fiber Network and other carriers participating in CNI's GigE Plus Availability Coalition (GigEPAC) will be able to offer 100 Gigabit Ethernet services to large businesses and 100G wavelength services to cloud data centers."

The 100G demonstration covered 500 total route miles and seven cities in Ohio. During the demonstration, JDSU Field Sales Engineer Curt Dukes, provided help in setting up and conducting the test. The demonstration, also, employed Cyan's new single-slot DTM-100G coherent transponder module. The DTM-100G, which is supported by the entire family of Cyan Z-Series packet-optical transport platforms (P-OPTs), including the ultra-compact 2RU Z22, supports the full range of optical reach capabilities. In addition to dramatically reducing the cost of delivering 100G transport services, the DTM-100G gives service providers unprecedented flexibility in their deployments. This flexibility is the result of integrated support for short, medium, long and extended reach C form-factor pluggable (CFP) client interfaces.

Are CDNs Distorting your Marketing Campaign Statistics?

In a recent blog post from Compuware APM, they wrote about how a major U.S. retailer makes sure their marketing campaign tracking system isn't distorted by Akamai.

Akamai, along with other Content Delivery Networks (CDNs), has the ability to enable your website to support more users at the same time. There may be, however, a few ways they can alter the statistics of your marketing campaign. Some ways include:

- Masks the landing page a user arrives at so you aren't able to tell which one drives the most conversions.
- Affects the total number of unique visits your analytics platform records. With this flaw, you aren't able to get a true idea of your site traffic volume.
- Introduces point-of-failure so visitors may bounce because your CDN has slowed down; but it isn't because they don't want to view your content.

To read the full blog post, visit http://dinkyurl.com/mLTxz0.

Check us out on: