Cambium Networks Deploys IP Wireless GIGATOWER to Expand Global Service Provider Broadband Reach

Cambium Networks

North American service provider leverages Cambium GIGATOWER to deliver more than 1 Gigabit of broadband capacity from a single tower.

Rolling Meadows, IL, and Ashburton, England -- Cambium Networks [1] has introduced the GIGATOWER, a new wireless broadband access solution that delivers the industry's highest level of throughput for enterprises and triple-play service providers worldwide. Based on the Canopy point-to-multipoint (PMP) 450 platform, the GIGATOWER enables service providers to further expand capacity to existing customers and offer high capacity broadband to new customers in urban, suburban and rural environments. Cambium will be showcasing the new GIGATOWER solution at the 2013 Mobile World Congress (MWC) conference, taking place Feb. 25 – 28 in Barcelona, Spain; Hall 5, Stand 5B102.

Service providers and network operators around the globe use PMP access networks to provide significantly higher bandwidth in non-line-of-sight (NLoS) and line-of-sight (LoS) applications. Utilizing both licensed and unlicensed bands, Canopy's installed base of four million modules provides broadband services for demanding enterprise and residential use. For those looking to deploy a more extensive network, the PMP 450's modular design allows the GIGATOWER to provide more than 1 gigabit of broadband capacity and extend coverage area to more than 75 square miles (120 square kilometers).

"Service providers need innovative solutions to deliver broadband to their users. Fiber/DSL is an expensive solution that lacks symmetrical capability. It has generally been deployed where it's economically viable, leaving many customers underserved (unable to achieve the speeds and symmetry they desire) and unserved due to their proximity to fiber. The PMP 450 and new GIGATOWER offer the ability to deploy in greenfield locations or to overlay existing DSL footprint with a solution that delivers HD video and IPTV, voice and data services at a cost point that truly changes broadband economics," says Jay Hilbert, senior vice president of Global Sales, Cambium Networks.

"We are also introducing an entirely new architecture, the PTP-C , (Point-to-Point Cluster) for small cell backhaul among other applications. It's our more than 10 years' experience as the wireless IP market leader and our deep engineering expertise in NLoS and interference mitigation that have enabled us to redefine the function and form factor that will revolutionize how small cell backhaul will be deployed in years to come."

Service Providers Worldwide Turning to Cambium Networks

Among the most innovative broadband providers using the PMP 450 is JAB Broadband, a wireless service provider based in the U.S. JAB is also the first service provider to roll out the new GIGATOWER solution, providing a cost-effective way for the company to reach underserved (customers not able to obtain the speeds they need from DSL) and unserved customers.

“The Canopy PMP 450 platform enables speed and unprecedented NLoS capability,” says Bret Westwood, chief technical manager, vice president of network operations, JAB Broadband. “The performance of our network improved by up to five times since deploying the PMP 450. By incorporating the PMP 450 and new GIGATOWER configuration, we can guarantee the performance our enterprise and residential customers are looking for. Our enterprise business has been growing significantly as businesses realize that ADSL cannot meet their need for speed or their desire for symmetrical solutions to support cloud computing and video conferencing. Our investment in Cambium Networks continues to deliver big returns.”

Backhaul Solutions Support Small Cells and LTE Deployments

Carriers are also aggressively employing small cells to increase capacity in urban areas and provide coverage where gaps exist. Cambium enables carriers to rapidly deploy reliable small cell backhaul or macro-base station LTE backhaul solutions that can connect where fiber and copper are not available or cost prohibitive. During the 2013 MWC, Cambium will be rolling out a unique and revolutionary solution for small-cell backhaul.

Resources:

- For additional information on both the PMP 450 and the GIGATOWER configuration, please visit the Canopy PMP 450 webpage [2].
- Please visit Cambium Networks at 2013 Mobile World Congress conference (MWC) [3], taking place Feb. 25 –28 in Barcelona, Spain; Hall 5, Stand 5B102.

For more information visit www.cambiumnetworks.com [1].

Source URL (retrieved on *03/11/2014 - 3:14am*):
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Links:
[1] http://www.cambiumnetworks.com
[2] http://www.cambiumnetworks.com/products/index.php?id=pmp450
[3] http://www.mobileworldcongress.com/