harmonic

Comporium's Broadband Service in Distributed Access

Tackling bandwidth–hungry services and OTT content with a virtualized cable access solution.

WHAT CUSTOMERS CRAVE

| HIGH-SPEED INTERNET | LIVE & VOD SERVICES | EXCELLENT VIDEO QUALITY | EXCEPTIONAL SERVICE QUALITY | FLEXIBLE SERVICE PLANS | SERVICE RELIABILITY |

THE GAME PLAN

Comporium is a leading cable operator in South Carolina. Serving several counties with internet, voice, video and security offerings.

The goal for Comporium was to improve the broadband service and quality of experience for subscribers with a simple, modern solution. With the introduction of a new IP video streaming service and consumers needing more bandwidth, Comporium wanted a trusted partner to help them get their access network up to speed.

The first challenge was the licensing model for additional DOCSIS 3.1 spectrum. Another challenge was that traditional CMTS architectures require substantial rack space creating a high energy footprint that comes with a big bill. Comporium wanted freedom from traditional CMTS architectures, and a more budget friendly solution that provides the necessary capacity for superior quality of experience. Comporium chose Harmonic's CableOS® platform.

THE PLAY-BY-PLAY

CableOS provides a more flexible, scalable and cost-effective way to deliver multi-gigabit broadband.

Deployed in a distributed access architecture (DAA), Harmonic's CableOS platform enables Comporium to eliminate some headend equipment altogether such as splitters, combiners, transmitters, and receivers. The CableOS deployment is a fully converged cable access solution delivering data, voice, legacy broadcast and VOD video, and out-of-band (OOB) services over an IP-based network to the remote PHY (R-PHY) node. By moving the RF processing from the headend to the node, RF combining and splitting is also eliminated from the headend. This further reduces power, space, cooling and cabling requirements at the headend.

The migration from the legacy cable modem termination system (CMTS) platform to the virtualized DOCSIS 3.1 network was supported at each stage, from design, to testing and deployment. Regular CableOS software upgrades help Comporium accelerate the introduction of new features and make capacity gains by adding new 1-RU servers.

THE WIN

Comporium now uses an end-to-end R-PHY node system. The significant space and power savings ensure that Comporium can focus more on providing the best customer experience.

Speed is a major determining factor in consumer satisfaction for broadband services today, and Comporium is in position to provide the next generation of internet and video services to its subscribers. The CableOS platform enables continuous improvements in upstream and downstream bandwidth capacity and provides all the flexibility and scalability that comes from having a virtualized cable access solution. CableOS gives Comporium the keys to compete with market demands today and gets them ready for tomorrow's next steps.

"Harmonic's CableOS solution saves us significant space, power and legacy hardware costs, enabling an easy migration."

Mike Deller
Senior Vice President of Engineering and Planning at Comporium

THE POWER OF CABLEOS

1.2 Ghz
Freedom with the full spectrum

Lower energy footprint

Increased network efficiency

Streamlined operations

Future-proof solutions

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