



SCTE
Society of Cable Telecommunications Engineers
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October 2025

Comcast advances on 'Project Genesis,' tests quantum computing



Comcast's Elad Nafshi offers some new stats on the operator's big network upgrade initiative and dropped some updates on Comcast's AI Edge offering and quantum computing trials.

[Jeff Baumgartner](#)

October 1, 2025

(Source: www.lightreading.com)

Comcast has been pressing ahead with Project Genesis, a widescale hybrid fiber/coax (HFC) network upgrade that will pave the way to DOCSIS 4.0, symmetrical multi-gigabit speeds and lower latencies. Speaking here at the SCTE TechExpo in Washington, DC, Comcast's Elad Nafshi shared some updated stats on those upgrades, details about an emerging AI edge offering, and some thoughts about a quantum computing trial underway with a pair of partners.

Virtualization is a centerpiece of the initiative. Nafshi, Comcast's EVP and chief network officer, said the operator has now deployed 1,300 vCMTS PPODs (physical points of deployment) and more than 50,000 edge compute servers. Comcast's virtual cable modem termination system (vCMTS), which runs on Harmonic's cOS platform, is now on its fourth generation, which roughly doubles the capacity and compute versus the prior generation. Comcast, which is starting to retire its second-gen vCMTS technology, is now working on its fifth-gen platform, Nafshi said.

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Spectrum, Optimum subsidies get three-year extension in NYC



New York extended its 'Big Apple Connect' program, through which the city is subsidizing service from Spectrum and Optimum for residents of public housing. But lawmakers are alarmed about the program's use for video surveillance.

Nicole Ferraro

October 2, 2025

(Source: www.lightreading.com)

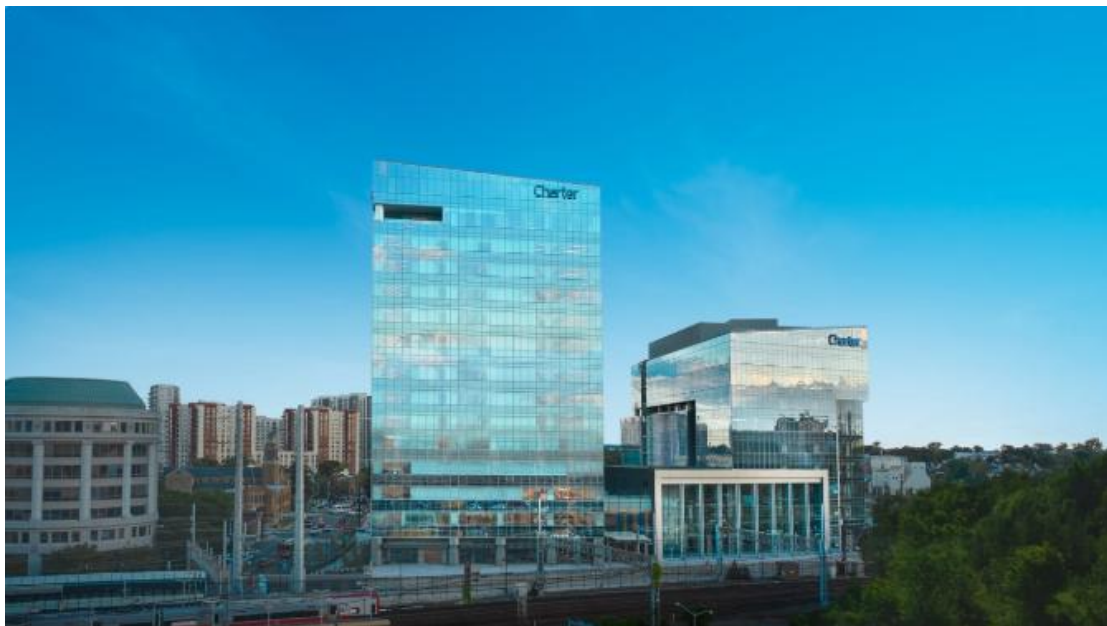
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New York City will extend its "Big Apple Connect" program, [launched in 2022](#), for another three years, through June 2028. The program subsidizes

cable and broadband services through Spectrum (Charter) and Optimum (Altice USA) for public housing residents.

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Charter takes 5G-over-HFC to the test



With a vision to build ultra-dense supercells, Charter is testing an architecture that delivers CBRS signals on hybrid fiber/coax (HFC). Following initial lab trials, the operator intends to field-test the 'fiber-powered DAS' system later this year.

Jeff Baumgartner

October 2, 2025

(Source: www.lightreading.com)

Charter Communications' vision to run 5G traffic on its widely deployed hybrid fiber/coax (HFC) network and create massively dense supercells is starting to take shape.

As Light Reading has [reported](#) over the past 18 months, Charter has been working with CableLabs and Canada's Rogers Communications along with select vendor partners on a project originally called "New Radio over Coax," or NRoC. Now, it's referred to as "fiber-powered DAS," with DAS standing for distributed antenna system.

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Amphenol will also get the CommScope name



Amphenol's \$10.5 billion acquisition of CommScope's Connectivity and Cable Solutions unit includes the right for Amphenol to use the CommScope name. What remains of CommScope will take on a new name and stock ticker.

Jeff Baumgartner

October 21, 2025

(Source: www.lightreading.com)

Through two separate transactions – one that has already closed and a bigger one that's pending – Amphenol is poised to acquire the bulk of CommScope. So, it would only seem natural that Amphenol would also snare the CommScope name.

That's what's happening, according to a proxy filing tied to Amphenol's [proposed \\$10.5 billion acquisition](#) of CommScope's Connectivity and Cable Solutions (CCS) business, which emerged about a year after Amphenol [snapped up](#) CommScope's outdoor wireless networks (OWN) and distributed antenna (DAS) business for \$2.1 billion.

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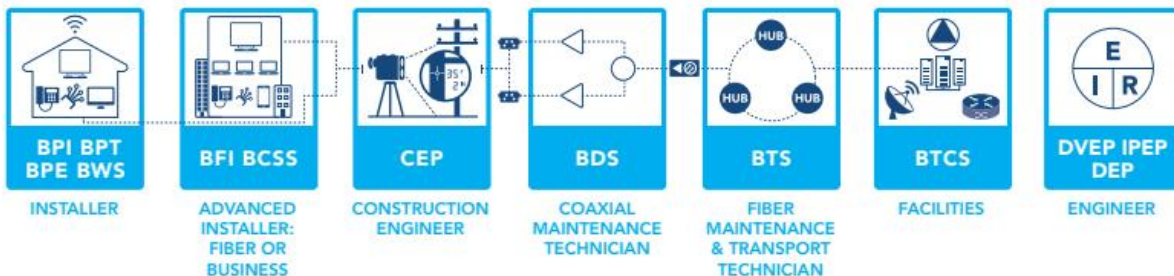
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