



CORNING

Case Study  
Everon™  
Network Solutions



Academic Medical



4,300 students  
25,000 staff



Network Needs:  
Scalable & Flexible  
Reliable Cellular  
Path to 5G

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# University of Colorado Anschutz Medical Campus

World-class cellular + fiber network = 5G ready

## The Customer

The Anschutz Medical Campus in Aurora, Colorado spans more than 200 acres with more than 19 buildings that depend on a connected experience. But at times, students, researchers, doctors and staff across 4 campuses were left with no bars, dropped calls and lots of frustration. For this top-tier academic medical facility, second-rate connectivity wasn't an option.

## The Challenge

Upgrade DAS and prepare for the future

Performance issues became the norm for this campus' outdated coax-fed DAS. Software upgrades became almost constant. As the campus began a renovation project, the network infrastructure team on campus set out to find a solution to today's problem that could support future technologies.

“We have science on display every day here, and technology is part of that. We needed the most up-to-date network to meet our needs.”

John Fuson  
IT Telecom Network & Infrastructure Manager

# Case Study

## Everon™ Network Solutions

### Highlights:

# 250+

acre campus

# 19+

buildings needing  
cellular service

# 45,000

typical daily  
connections to  
network

# 450,000

feet of fiber cable

### Products deployed:

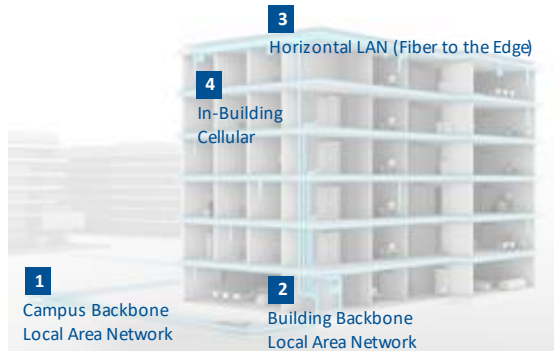
ActiFi™ Composite  
Cable

Corning Everon  
Remote Powering

Fiber to the Edge  
Distributed Antenna  
System (DAS)

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# Everon™ Network Solutions



Everon Network Solutions are designed to scale, providing a cost-effective way to get the capability you need tomorrow, today. For this case study, the solution focused on:

- 3 **Horizontal LAN (Fiber to the Edge)** – Taking fiber to the edge of the network provided complete optical networking for wired and wireless connectivity.
- 4 **In-Building Cellular Solutions** – Improved coverage and capacity with carrier-approved Distributed Antenna System.

## The Solution

With the help of integrator **KLA Laboratories** and distributor partner **WESCO|Anixter**, a solution to fit the needs of the campus was found.

### Cellular Solutions

The 5G-ready multi-carrier DAS solution got the campus connectivity up to speed quickly. With increased capacity and coverage and industry-leading 5G capability, they are ready for what's next as cellular connectivity continues to evolve.

### Horizontal LAN (Fiber to the Edge)

ActiFi™ Composite Cable with copper conductors and optical fiber (12x12) in one cable spanned distances greater than traditional copper, bringing power and bandwidth across the 200+-acre campus. While all 12 fibers are not needed today, they will be critically important soon enough as more applications are deployed.

“If I chose a different solution, I’d have to do a full rip and replace in 2-3 years. But now, the infrastructure is there. You might not use all the strands now, but they are there to utilize.”

John Fuson  
IT Telecom Network  
& Infrastructure Manager



# 33%

### Capex Savings

26% less after 5G mmWave and Private LTE Adds  
33% less after digital DAS, MIMO upgrade in Year 5



# 62%

### Fewer Telecom Rooms

Reduction in telecom rooms means more efficient space usage.



# 70%

### Energy Savings

Less HVAC cooling for equipment means saving on energy expenses

