

## Sutherland

*NextLAN® Cabling Systems Chosen for Extensive Infrastructure Upgrade*



Sutherland, a law firm with global reach, is known for solving challenging business problems and resolving unique legal issues for many of the world's largest companies. Recently, Sutherland upgraded the communications infrastructure at its Atlanta, Georgia office. NextLAN® CAT 6+ and 5e solutions comprised of Superior Essex and Leviton components were chosen to standardize the added technology and further enhance the firm's communication abilities.



[NextLANsystems.com](http://NextLANsystems.com)

Founded in 1924, Sutherland has grown to approximately 500 lawyers handling matters in every part of the world for a diverse client base that includes a number of Fortune 500 companies.

## Sutherland Meets Today's and Future Technology Needs

To serve its clients worldwide, Sutherland insists on having an expansive communication infrastructure. This focus on technology demands a reliable network capable of supporting diverse and demanding traffic with maximum uptime; upgrading to state-of-the-art voice and video conferencing solutions in all offices; a firm wide Intranet and document management system to handle all internal communications; and an Extranet or FTP connection that allows document exchange and rapid communication between Sutherland and its clients' offices.

### The Challenge

Sutherland selected Cherokee Cabling, a certified NextLAN installer, as the low voltage contractor for the enhancement project. As a full turnkey solutions provider for data, voice, and video cabling infrastructures, Cherokee Cabling provides expert design, engineering, consulting, project management, and installation/maintenance to meet all of its customer's diverse requirements.

Cherokee Cabling has completed a rigorous training program designed and continuously refined by RCDD experts. As is the case with all projects, every permanent link in the NextLAN system is thoroughly tested and



A part of the complete NextLAN solution, Leviton's 110-style Patch Panels in flat and angled configurations along with Superior Essex cable provide easy termination and offer guaranteed performance.

documented by the certified installer, who submits all test result data to both the customer and the NextLAN team. Cherokee Cabling's certified designation ensures that both the fiber optic and copper cabling systems are installed in accordance with proper industry practices.

"NextLAN guarantees my clients superior network performance and uncompromising product quality. With product offerings that address the entire scope of this installation, the NextLAN system offers a warranty on the premises and backbone products, which is added value to Sutherland."

Roger Epperson  
Cherokee Cabling, President

With a clear understanding of Sutherland's varying needs and requirements, Roger Epperson, President of Cherokee Cabling, confidently recommended the NextLAN solution to Peter Yen, Network Engineer for Sutherland.

Epperson explained, "NextLAN guarantees my clients superior network performance and uncompromising product quality. With product offerings that address the entire scope

of this installation, the NextLAN system offers a warranty on the premises and backbone products, which is added value to Sutherland."

By installing a qualified NextLAN cabling system, Sutherland automatically qualifies to receive the full benefits of the NextLAN Warranty, which covers the labor, products, performance, and applications for the structured cabling system for the life of the building.

Additionally, all NextLAN installations are automatically eligible for the Campus Warranty. This means all Superior Essex fiber optic and copper backbone cables, including outside plant, are warranted for 20 years.

### The Solution

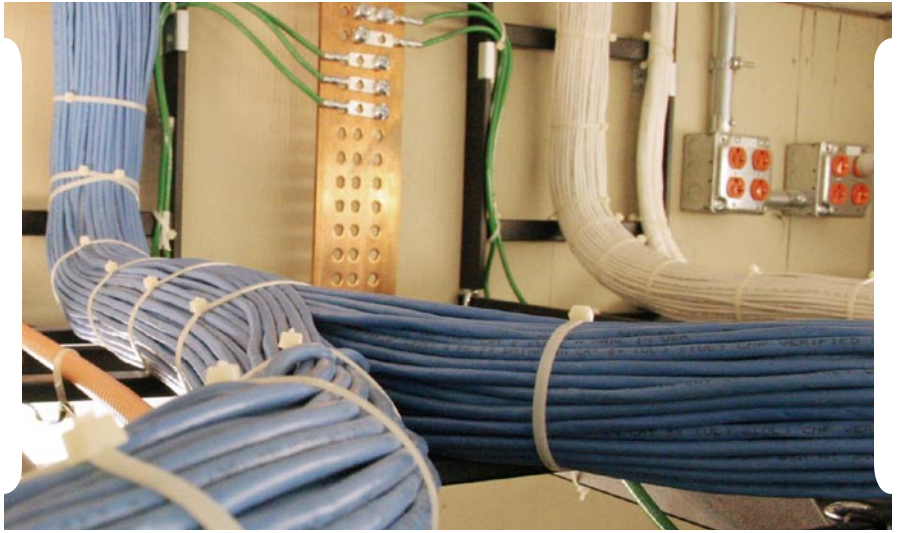
After evaluating many cabling systems, Yen agreed the NextLAN solution was the highest value to position Sutherland for both today's and tomorrow's technology needs.

He said, "NextLAN was chosen because of overall system performance. While most every cabling solution commercially available today offers some

type of performance guarantee, NextLAN is unique in that system performance is verified quarterly by Intertek (ETL) to meet the NextLAN published specifications.”

The NextLAN suite of cabling systems guarantees that installed performance of the cabling system will exceed TIA/EIA 568-B specifications for all parameters. All NextLAN copper solutions are independently verified by ETL to meet published specifications guaranteed by each NextLAN system.

Sutherland chose to standardize its communications infrastructure on DataGain® CAT 6 and Marathon LAN® CAT 5e. Although different performance levels of copper cabling were installed, multiple cables were run to each work area allowing maximum flexibility



Extensive NextLAN cabling and connectivity provides the solid communications backbone that Sutherland needs for cutting-edge voice, data and video.

Leviton Universal Flat and Angled Patch Panels, connected to the Superior Essex cable, provided easy installation with outstanding performance.

Leviton’s Angled panels are designed to increase rack density on industry standard 19” racks and cabinets. The unique angled profile allows cables to route directly into Leviton Versiduct® Vertical Cable Managers, minimizing the need for additional horizontal cable management and freeing up vertical rack space. eXtreme® Cat 6 Panels feature patented Retention Force Technology® for long-term system effectiveness. Leviton eXtreme 6+ and GigaMax® 5e connectors installed in Leviton’s popular, versatile QuickPort® wall plates were used in all work areas.

Overall, nearly 500,000 feet of Superior Essex copper cabling was connected to 2,300 Leviton ports in six floors in Atlanta.

## The Results

As a result of this robust NextLAN copper infrastructure installation, Sutherland now has the tremendous flexibility of supporting technologies. Sutherland is using the local area network for all voice communication, better known as VoIP; and Power over Ethernet (PoE) has been mass deployed to power the VoIP telephones and wireless access points as well as support video conferencing.

For more information on the NextLAN difference, including the unique performance verification program and comprehensive Campus Warranty, please visit [www.NextLANsystems.com](http://www.NextLANsystems.com).



The robust NextLAN system supports flexible technologies including VoIP, PoE and video conferencing.

for emerging applications and the capability today to deploy Power over Ethernet (PoE), Voice over Internet Protocol (VoIP), and teleconferencing (video over IP).

