

# Oracle Labs improves throughput by 80 percent with new structured cabling

**Oracle Labs, Oracle's advanced research arm**, develops technologies to tackle tough business, science, and public-sector challenges. Being an innovator requires a future-ready network infrastructure that delivers high-bandwidth data connectivity and an exceptional experience. Oracle Labs chose CommScope's SYSTIMAX® copper and fiber structured cabling solution for increased speed, capacity and flexibility. As a result, Oracle Labs more than quadrupled throughput capacity—to 1.2 terabytes from approximately 300 gigabytes.



**4x+** more throughput capability



*"CommScope products for low-voltage cabling solutions are our first choice. They're easy to configure and use, and we receive stellar support."*

**Patricia Lemieux, network and telecom systems analyst, Oracle Labs and Real Estate**

## The journey

In 2021, Oracle Labs found it difficult to meet computing load demands from five facilities in Broomfield, CO. Initially, the organization considered expanding one of its data centers to offload capacity, but determined that additional backbone speed would improve performance. After consulting with CommScope and Linx, a Colorado-based technology integrator that's an elite member of CommScope's PartnerPRO® Network, Oracle Labs sought to consolidate five labs in two buildings. The move helped the organization

maximize space and efficiencies while improving density and throughput.

The project kicked off during the height of COVID-19 pandemic restrictions and supply chain challenges. While many businesses struggled to overcome these obstacles, Oracle Labs was confident that CommScope would come through. Oracle Labs has a long partnership with CommScope, having deployed the company's solutions at multiple sites across the United States. Oracle Labs has also worked extensively with Linx on similar projects.

CommScope and Linx developed a plan to deploy CommScope's SYSTIMAX solutions in the face of pandemic-related hurdles, including long lead times for key supplies.

"Together, CommScope and Linx stood up to the challenges and bested them," says Patricia Lemieux, network and telecom systems analyst, Oracle Labs and Real Estate. "There were many opportunities for failure, given the circumstances, but both companies ensured the project was successful."

Linx went above and beyond in project management, scheduling flexibility and communication, says Justin Drake, global sales accounts manager at CommScope.

“Their professionalism, willingness to continually shift production schedules and cut lead time ensured that we met—and exceeded—Oracle Labs’ expectations,” Drake says. “Linx was proactive about coordinating materials deliveries to remove hurdles before they could become an issue.”

CommScope and Linx completed the project on time and on budget, turning a challenging situation into a revenue-enhancing outcome from a solid partnership.

## The solution

Oracle Labs chose CommScope’s SYSTIMAX® portfolio without hesitation. From ultra-low-loss copper and fiber cabling to modular, high-density fiber panels and high-performing cable assemblies, connectors and adapters, SYSTIMAX solutions deliver, as they have for more than 30 years.

[Explore SYSTIMAX solutions.](#)

## SYSTIMAX products

- Structured fiber-optic and copper cabling
- Shelves and fiber panels
- Cable assemblies

“CommScope’s ability to manage their own manufacturing process, instead of relying on partners, eliminates bottlenecks in the manufacturing process. No one is held hostage to logistics, which can add time and cost to projects.”

**Greg Rudnicki, vice president of sales,  
Linx**

CommScope pushes the boundaries of communications technology with game-changing ideas and ground-breaking discoveries that spark profound human achievement. We collaborate with our customers and partners to design, create and build the world’s most advanced networks. It is our passion and commitment to identify the next opportunity and realize a better tomorrow. Discover more at [commscope.com](https://commscope.com)

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