

SMARTER OUTCOMES

SPACE OPTIMIZATION USE CASE: ZONE ARCHITECTURE

Financial Services Company Utilizes Utility Grade INFRASTRUCTURE (UTGSM) to Help Build Their Workplace of the Future

When a national financial services company set out to build their vision for the workplace of the future, they were faced with technical hurdles and organizational and operational challenges. With their sights set on a fully Internet of Things (IoT)-enabled environment utilizing intelligence for improved experience and efficiencies, the company realized they had a lack of corporate technology standards and inadequate communication between the information technology (IT) stakeholders and the operational technology (OT) stakeholders. When assessing these technology and business challenges, they relied on Anixter to help develop a next generation corporate standard utilizing UTG as a holistic building system.

Zone Architecture and Extended Distance to Improve Space Utilization

With no organizational standards in place, this financial services company struggled with allocating their square footage and sizing their environments to support today's use while remaining scalable. As a greenfield construction project, it was essential to bridge the gap between IT and OT to build this model facility for the future. The customer's desired outcome would utilize technology to provide seamless connectivity to employees and infrastructure resiliency to both the business systems and experience systems, utilizing an all-IP and PoE infrastructure. This would ensure supporting intelligence across subsystems while providing visibility, management and efficiency to better operate their built environment. Central to this "all-things-connected" strategy was utilizing an active zone network architecture with the extended distance capabilities of Utility Grade INFRASTRUCTURE to improve overall space utilization.

Leveraging the Potential of ProLabs and Utility Grade INFRASTRUCTURE

The way we inhabit buildings has changed and will continue to change dramatically. Health and safety is accelerating the adoption of IoT, and leading organizations are placing scrutiny on how their networks are designed, emphasizing the need to support more technologies as one common platform, while also improving efficiency and cost savings. Pairing ProLabs copper transceivers with Utility Grade INFRASTRUCTURE gave the customer the ability to extend the active zone to serve a larger area with the potential of reducing or eliminating telecommunications rooms. Additionally, Anixter helped the customer reduce construction cost and time, as well as free up square footage that can now be reallocated to meet their business needs.

SUMMARY

Customer

Financial services company

Challenges

- Build an IoT-enabled office environment
- No corporate infrastructure standards
- Accelerated construction schedule
- Improve overall space utilization

Solutions

- ProLabs transceivers
- MSA-compliant switch with hot-pluggable SFP interface
- UTG 20 cable infrastructure

Results

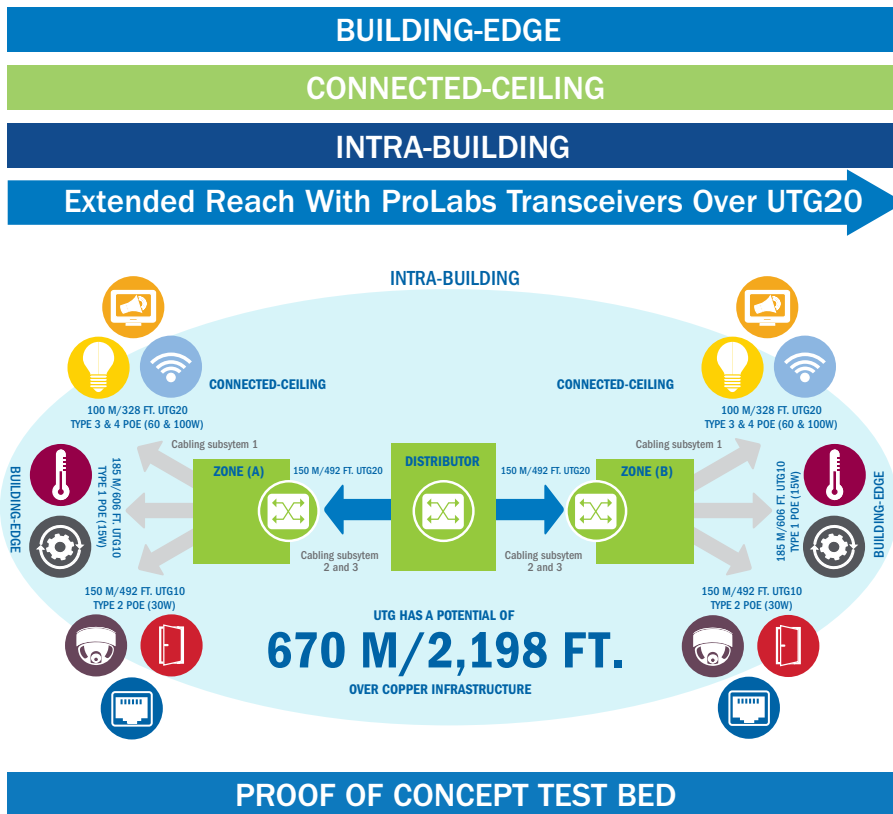
- Leveraged an IP infrastructure for a converged IoT network
- Defined next generation standards nationally
- Reduced construction cost and time
- Reallocated available square footage

UTG MEETS AND EXCEEDS
THE STANDARDS
50% LONGER REACH
WITH PROLABS
WHILE DEFINING
GUARANTEED RESULTS

UTG PROOF OF CONCEPT TESTING

The Utility Grade Solution

Anixter's Infrastructure Solutions Lab and UTG Convergence Partner, ProLabs, have developed proof of concept testing for converged system interoperability. This solution includes UTG-rated cable infrastructure and ProLabs transceivers that can deliver extended distance performance for space optimization. For more information on UTG-interoperable ProLabs transceivers, please refer to the ProLabs Supplier Solutions Brief at anixter.com/UTG.



UTG CONVERGENCE ZONE

- BUILDING-EDGE
- CONNECTED-CEILING
- INTRA-BUILDING



UTG DIFFERENCE

- 1000Base-T at 150 m/492 ft.
- 50% longer reach over standards
- Extends UTG reference architecture by an additional 100 m/328 ft.
- MSA-compliant 10/100/1000Base-TX SFP transceiver
- Proprietary coding available
- 100% factory tested
- Advanced replacement warranty
- Guaranteed performance and interoperability
- Maximize your return on infrastructure investment (ROI)



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