We build, connect, power and protect the world.

Health and Safety Use Case:
People Counting

Utility Grade Infrastructure

National Retailer Relies on Utility Grade Infrastructure to Help Safely Re-Enter the Workplace

In response to the pandemic a national retail chain needed to reevaluate their health and safety protocols. With health and safety concerns remaining a priority in a post-pandemic world, many new measures were implemented to protect employees and customers alike. While assessing these practices and determining how they would occupy buildings moving forward, this national retailer relied on Wesco to help develop a layered health and safety strategy.

Safety First Strategy for a Return to the Workplace

The initial motivating factor was a commitment to keeping stores open, and limiting the number of customers allowed in the store, while maintaining social distancing guidelines. This was accomplished with signage and positioning extra associates to all ingress and egress points within the store, but that meant fewer associates were available to carry out increased restocking and safety tasks on the shop floor. The retailer determined that their desired outcome would utilize technology to control and monitor occupancy and assist with improving operational efficiencies throughout, allowing staff to focus on other business-critical tasks.

Leveraging the Potential of Axis and Utility Grade Infrastructure

The meaning of workplace security has been redefined, making health, safety and well-being an ongoing priority and concern. Utilizing Axis network cameras with Axis People Counter offers a cost-efficient way to accurately measure real-time occupancy levels. Axis network speakers allow the retailer to deliver live or automated audio reminders, manage visitor flow and maintain communication throughout the facility. Working together, these solutions are helping the retailer better understand visitor patterns, measure demand, recognize revenue opportunity and enhance service planning. Furthermore, it is automating manual processes to help reduce potential health risks and decrease the number of associates needed.

Whether you want to identify visitor trends and peak visitor times or compare performance across different locations, a people-counting solution can help you make informed decisions, understand occupancy levels and service needs, and automate operations from the front door to the delivery door.

UTG meets and exceeds the standards - 85% longer reach with Axis while defining guranateed results

Summary

Customer
• National retail chain

Challenges
• Safe entry and return to the workplace
• Occupancy management
• Inability to analyze visitor trends
• Improve operational efficiency

Solutions
• Axis network cameras
• Axis People Counter
• Axis network speakers
• UTG20 cable infrastructure

Results
• Improved overall health and safety
• Provided occupancy data visibility
• Improved operational planning
• Enhanced space utilization
• Optimized HVAC systems usage
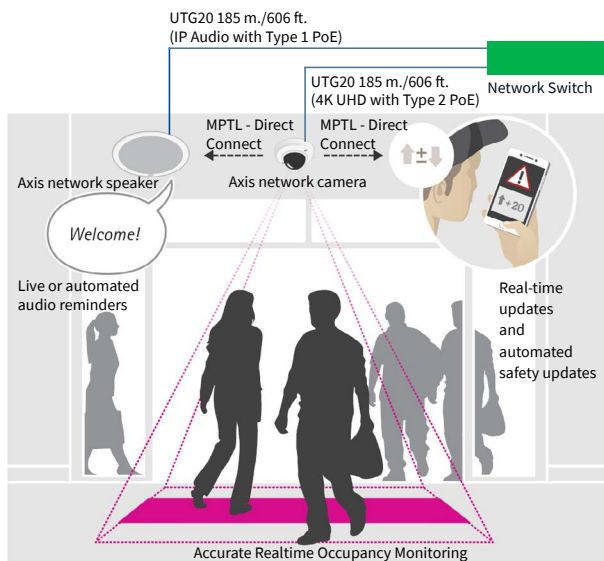
Ingenuity delivered.

wesco

Health and Safety Use Case:

People Counting

UTG Proof of Concept Testing
The Utility Grade Solution

Wesco's Infrastructure Solutions Lab[SM] along with UTG Convergence Partner, Axis Communications, have developed proof of concept testing for converged system interoperability. This includes UTG-rated cable infrastructure, Axis network cameras, speakers and edge analytics to deliver a people-counting solution with health, safety and operational benefits. For a full list of UTG interoperable Axis network cameras and speakers, For a full set of UTG-recommended solutions, reach out to your local Wesco representative.

Extended Reach with Axis Network Cameras and Speakers Over UTG20

UTG20 185 m./606 ft.
(IP Audio with Type 1 PoE)

UTG20 185 m./606 ft.
(4K UHD with Type 2 PoE)

Network Switch

MPTL - Direct Connect

MPTL - Direct Connect

Axis network speaker

Axis network camera

Welcome!

Live or automated audio reminders

Real-time updates and automated safety updates

Accurate Realtime Occupancy Monitoring

Proof of Concept Test Bed

AXIS COMMUNICATIONS

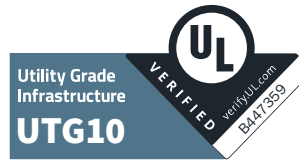**BELDEN**

COMMSCOPE®

PANDUIT™

Connect | Scale | Realize Smarter Outcomes

UTG Convergence Zones

- Intra-Building
- Connected-Ceiling
- Building-Edge
- Extended-Edge

UTG Ratings

Utility Grade Infrastructure
UTG10
UL VERIFIED verifyUL.com B447359

Utility Grade Infrastructure
UTG20
UL VERIFIED verifyUL.com B895229

UTG Difference
- 85% longer reach over standards
- Guaranteed performance and interoperability
- Maximize your return on infrastructure investment (ROII)

Network Cameras
- 4K UHD with Type 2 PoE 30 watt at 185 meters/606 feet
- Native IoT support with MQTT protocol
- Accurate real-time occupancy levels with Axis Occupancy Estimator

Network Speakers
- High-quality audio with Type 1 PoE 15 watts to Type 2 PoE 30 watts supported at 185 meters/606 feet
- Built-in power amplifier and digital signal processor
- AXIS Audio Manager Edge application lets you manage and control your audio system
- Support up to 200 speakers and 20 zones with content scheduling

Wesco has the expertise and insights to tackle complex projects for every smart environment. Utility Grade Infrastructure is our innovative solution to support smart building and IoT implementations that span every corner of the commercial building, parking facility and perimeter. Learn how we can power your results, Wesco.com.

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Ingenuity delivered.