

Challenge

To help businesses navigate through the COVID-19 pandemic by seamlessly implementing real-time people monitoring solution in the most cost-effective and fastest way possible.



Solution

Innovative real-time people monitoring solution with people flow sensors powered by Microchip PoE midspans to implement social distancing in retail stores, shopping malls, hospitals, swim halls and other public locations.



Result

Autonomous CountMe® solution leveraging the existing infrastructure for seamless installation at reduced costs and faster time-to-market, establishing Richnerstutz as a reliable technology vendor.

Richnerstutz Delivers Innovative Real-Time People Monitoring Solution Powered by Microchip PoE Midspans

When developing the CountMe® solution, Richnerstutz decided to leverage Power over Ethernet (PoE) to reduce installation costs and time and carefully chose PoE systems that provide guaranteed vendor compatibility. They thoughtfully evaluated PoE midspans for high reliability to build a future-proof solution with customer satisfaction as key. The ability to deliver high-quality PoE midspans in large volumes in a relatively short time under the stress of COVID-19 was crucial.

The high-quality Microchip single-port PoE midspans have largely contributed to smooth installation of CountMe systems with Xovis people flow sensors in thousands of locations worldwide across retail, healthcare and other leisure sectors. Implementing a Microchip Power over Ethernet solution has considerably simplified installation and reduced overhead. Microchip is well-equipped to deliver reliable PoE systems in large volumes in considerably less time, helping us capitalize on customer demand despite COVID-19 restrictions. Microchip is the ideal partner for future proof PoE solutions.

*Serafino Melloni
Chief Innovation Officer
Richnerstutz AG*

Client Background

Richnerstutz, a leading Swiss-based IT innovator is a family of inventors, advisors, planners, specialists, problem solvers, project managers or implementers. They develop and produce everything that transforms communication into a three-dimensional experience: advertising technology, temporary architecture and tenting, fixtures and fittings for events, trade fairs and shops, outdoor advertising, digital signage and a whole lot more. The company takes pride in the speed and dexterity with which they keep several balls in the air when managing complex projects, and their talent for surprising our clients with imaginative solutions is.



*With plug-and-play installation, the **PD-3501G** was easy to integrate, reliable and cost effective*

Challenge

Early in the COVID-19 pandemic, Richnerstutz realized the need to help businesses ensure a safe experience for their visitors. CountMe is designed to monitor the inflow and outflow of visitors in a property to regulate the number of people who can occupy a property at a given point in time. This requires the use of several sensors covering the desired zone completely to generate evaluations in real time and stop the inflow automatically in case of overfilling.

They needed to adequately power a large number of sensors installed in multiple sites, including hard-to-reach locations. The fundamental requirement was to limit expenditures and ensure a faster turnaround time.

Solution

Taking into consideration the complex technology requirements, Richnerstutz decided to partner with Microchip for PoE. They hand-picked Microchip's single-port PoE midspan PD-3501G to reliably power the people flow sensors in CountMe Pro solution, leaving the current infrastructure at site location completely unaltered. With plug-and-play installation, the PD-3501G was easy to integrate, reliable and cost effective, implemented leveraging the existing Ethernet infrastructure with no dependency on AC/DC wiring. All of this while providing the assurance of a future proof network.

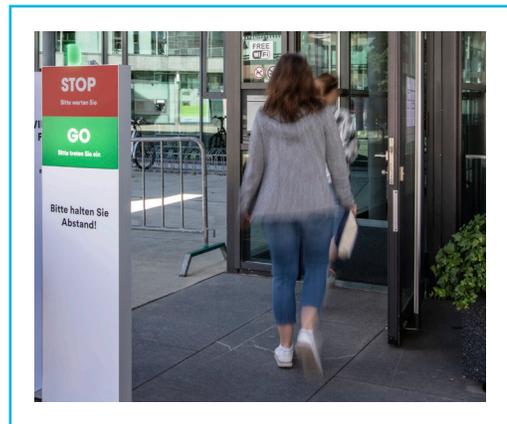
Microchip's PD-3501G PoE Midspan

The single-port PoE midspan offers a compact and cost-effective IEEE 802.3af-compliant solution for powering IP phones, WLAN access points, network cameras and other IP terminal devices. The PD-3501G provides reliable power over standard Ethernet cables, leaving existing network infrastructure completely unaltered. With plug-and-play installation, the PD-3501G can be seamlessly implemented leveraging the existing Ethernet infrastructure while at the same time providing the assurance of a future proof network.

Result

Compatibility of Microchip Midspans with the CountMe Pro system, Xovis PC2R sensor coupled with the simplicity of installation significantly reduced the costs and complexity of the technology upgrade while accelerating time-to-market.

Thousands of CountMe Pro systems (including over 3300 Microchip PoE midspans) have been installed internationally in 2020. With trouble-free operation at multiple sites including retail stores, shopping centers, resorts, schools, libraries, museums, zoos, casinos, petrol stations and more, Richnerstutz has established itself as a reliable technology vendor that promises not only the highest possible safety but also the best quality.



Richnerstutz

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