



CASE STUDY

Enterprise In-Building Coverage Enhanced with Mavenir's Carrier-Grade 4G & 5G Small Cell Solution



Overview

Sunrise Business is Switzerland's leading private telecommunications provider, consistently rated "outstanding" for its network quality and performance. As the innovation leader in Swiss telecommunications, Sunrise Business continuously invests in its mobile and fixed infrastructure to provide best-in-class services for consumers and businesses alike. When Sunrise Business identified a need to boost indoor coverage in enterprise environments, it selected Mavenir's latest carrier-grade 4G & 5G small cell solution. In 2025, Sunrise Business deployed Mavenir's cost-efficient and highly effective in-building small cell solution to provide an enhanced and seamless user experience for its enterprise customers.

The Challenge

Sunrise Business was looking to improve indoor coverage in enterprise buildings and multi-storey offices that were experiencing the common issue of reduced signal penetration through walls, insulated glass and standard construction materials. With most mobile calls and data usage occurring indoors, Sunrise Business wanted to provide its enterprise users with a consistent quality of experience across all usage environments. The drive to improve inbuilding coverage forms part of Sunrise Business's broader 5G strategy, ensuring enterprises are ready for next-generation applications including IoT, private networks, and future Industry 4.0 use cases.

The Solution

Sunrise Business deployed Mavenir's proven carrier-grade 4G and 5G small cell solution to upgrade in-building connectivity for its business customers, with a particular focus on small to medium-sized enterprises. Mavenir's small cell solutions are fully automated, highly scalable and adaptable, requiring only offline assessment of number of small cells to be deployed with plug-n-play installation and made operational.

Mavenir's solution needed to deliver:

- > A robust and cost-effective in-building coverage solution
- > No requirement for significant investment or extensive new cabling and infrastructure
- > A solution that avoided extensive new backhaul build-out or major network changes, and easily integrated with existing infrastructure
- > A smooth and rapid deployment process – without the need for extensive surveys, radio planning or skilled labour
- > Full alignment with Switzerland's demanding regulatory framework



Mavenir's comprehensive portfolio of small cell solutions offers exceptional product flexibility and robust support for both 5G non-standalone (NSA) and standalone (SA) use cases. The deployed small cells seamlessly integrate with Sunrise Business's operational and business support systems (OSS/BSS), which ensure service assurance, monitoring, and security compliance in line with Swiss regulations. The solution is designed to enable the provision of top-tier 4G and 5G indoor enterprise and residential coverage and capacity – even in the most challenging radio propagation conditions.

The Mavenir team implemented in-building GRID solutions uniquely tailored for small and medium-sized enterprise buildings that require multiple radio access points. Mavenir's GRID mode continuously and automatically optimizes radio coverage, capacity and quality, ensuring the highest levels of user experience – even in complex and large indoor spaces. The seamless deployment process features zero-touch provisioning for simplified installation and enhanced operational efficiency.

“Ensuring reliable indoor mobile coverage is a top priority for Sunrise Business customers. By partnering with Mavenir, we extended our award-winning mobile network indoors with a scalable, future-proof solution that meets the highest standards of Swiss enterprises.”

– Daniel Haas, Head of Products, Mobile and IoT at Sunrise Business.





The Results

Through close collaboration, Sunrise Business and Mavenir successfully enhanced in-building mobile performance for enterprise customers by deploying Mavenir's carrier-grade small cell solution. The project has delivered tangible improvements in indoor service quality, scalability, and operational efficiency.

Key Outcomes

- > **Improved indoor coverage:** Average indoor signal quality (RSRP) increased by up to 50 dB improvement in challenging enterprise environments.
- > **Enhanced user experience:** Enterprise customers reported an 85% reduction in complaint tickets related to indoor voice and data performance.
- > **Enterprise productivity:** Consistent high-quality 4G coverage has improved service availability for mobile collaboration tools (Teams, Zoom, WhatsApp), supporting hybrid workplace models.
- > **Faster deployment:** Plug-and-play architecture enabled installation times of less than two hours per site for standalone and 1-2 days for GRID deployments, compared to several days/weeks/months with traditional DAS systems.
- > **Service assurance:** Integration with Sunrise Business OSS/BSS provides full visibility and SLA monitoring, aligned with Swiss data privacy and regulatory requirements.
- > **Future-proofing:** The solution supports 5G SA evolution, private network deployments, and advanced enterprise services such as IoT connectivity and ultra-reliable low-latency communications (URLLC).

This strong ongoing partnership between Sunrise Business and Mavenir is delivering future-proof solutions for enterprises in Switzerland – meeting business needs by ensuring seamless integration of high-performance 4G and 5G services in indoor environments.



About Mavenir

With deep domain expertise built through decades of mobile network experience, proven through deployments with 300+ operators globally, telco is in Mavenir's DNA. Cloud is the engine that drives AI, and Mavenir's cloud-native approach means openness, scalability and sustainability are fundamental to everything the company delivers. Mavenir combines the depth of telco experience and IT expertise to design and deliver AI-integrated solutions that solve real customer challenges today and power operators' evolution from telco to techco and the AI-native future.

For more on Mavenir Solutions please visit our website at www.mavenir.com

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