RUCKUS®
COMMSCOPE

STEMMERLIFE
Elevating Dental Product Distribution with RUCKUS® Wi-Fi

STEMMER *Life*

Customer
StemmerLife

Location
Tremblay-en-France

The group distributes its products to all healthcare professionals in the dental sector.

StemmerLife was founded in 1978 by the dentist Armand Stemmer. StemmerLife is the largest distributor of dental products in France, with a mission to provide every patient—whoever they may be—with the best quality care. The company supplies all dental healthcare professionals with consumables, laboratory products, equipment and repair services.
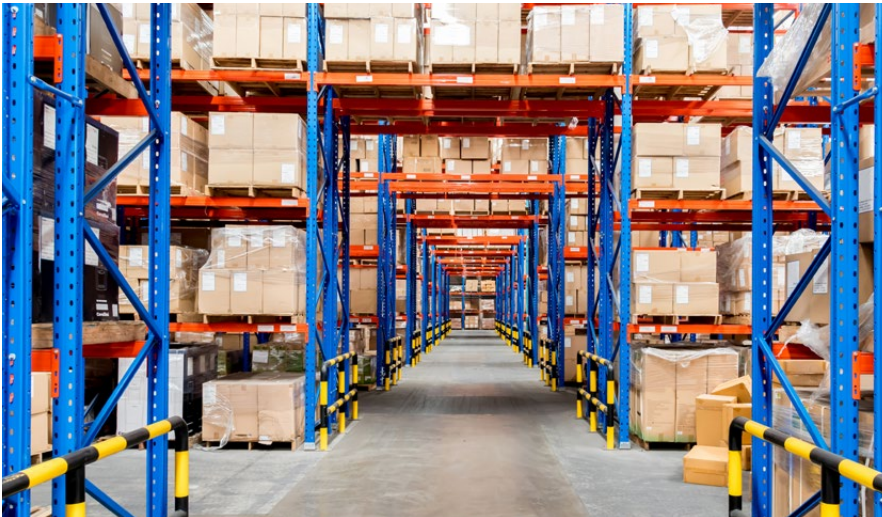
StemmerLife's warehouse is located in Tremblay-en-France, which is close to the company headquarters in Paris.

Over the past 40 years, StemmerLife has consolidated its position as a leading player in the dental sector thanks to the quality of its service, price, fast delivery and close relationship with its customers.

The pillars that serve as the foundation of the company's strong values are quality of life (to improve working comfort in the practice), eco-responsibility (to take care of patients and the planet), and Made in France (to defend French production).

Requirements	Solution	Key outcomes
· Stable connectivity able to support a daily average of 200 devices · Centralized management: easy to deploy, manage and troubleshoot · Scalable equipment ready for a future warehouse facilities expansion	· 38 RUCKUS indoor and outdoor Wi-Fi 6 access points (APs) · 2 ICX® switches · RUCKUS One™	· A significant logistical efficiency improvement · Elimination of blackspots · Strong signal · Enhanced security · Easy-to-use central management · Flexible, future-proof Wi-Fi® network

For more information, visit ruckusnetworks.com

Challenges

In a warehousing environment, distribution companies face many challenges—notably, inventory management, space efficiency, and so on. But one of the most relevant for the distribution business is picking and delivering orders efficiently and quickly. A connectivity issue can delay delivery, because operators cannot pick up products if the network is down.

The previous wireless network was quite old and had not been professionally installed. It had 10 APs with no roaming configuration. They were standalone, with the same SSID. The main problems with the network were blackspots and weak network signal.

StemmerLife processes 15,000 rows per day, and their logistics operators receive orders via PDAs and voice systems. Throughout the year, inventory rotation is also carried out using PDAs.

The products are moved through an 11,000-square-meter building. In a vast space like this—where coverage, signal and interference challenges are very different from an office environment—a powerful wireless network that is able to provide full space coverage and high-performance internet access is particularly critical.

Being able to easily trace/manage coverage issues and avoid blackspots are necessary for a successful connectivity experience in the warehouse facilities.

Solution

The new Wi-Fi network is based on RUCKUS solutions that perfectly support the challenging business and environment requirements. The 38 indoor and outdoor APs are spread over seven sites. The initial installation—comprising a total deployment of 18 APs—was executed within the warehouse to ensure reliable and secure connectivity throughout the facilities. Afterwards, the remaining spaces, including the headquarters, were fitted.

All RUCKUS APs are based on patented RF technologies. These antenna and channel optimization technologies address Wi-Fi signals by choosing the best performing paths and channels—especially important in vast spaces like this.

RUCKUS APs with BeamFlex® technology are specifically designed to overcome obstacles and interference in challenging environments like warehouses. The adaptive antenna technology dynamically reconfigures the antenna pattern hundreds of times per second to achieve maximum
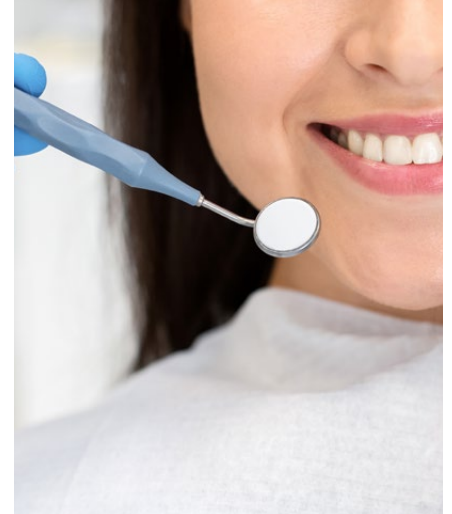
focused coverage. This means logistics operators can move throughout the warehouse without any interference from metal shelves or other obstacles that could disrupt the Wi-Fi signal.

The RUCKUS equipment control is made by RUCKUS One—a management-as-a-service platform that enables the StemmerLife IT team to reduce downtime and troubleshoot with speed and precision in order to meet their service-level agreements. "We wanted a user-friendly, centralized cloud system to be used in all the group to get visibility at a glance, in real time, of the network—being able to act accordingly as soon as possible if any failure occurs. The rollout of the whole project was successfully completed in four months thanks to the efforts of the RUCKUS engineering team, who helped us choose the right equipment and network design and configuration," said Alexandre Sicard, IT Manager StemmerLife.

Improved operational efficiency

After the RUCKUS solutions deployment, picking orders is now a fast, secure and an easy task for StemmerLife logistics operators, and wireless connectivity is no longer an issue. Now network performance and availability are optimal thanks to a flexible, powerful and easy management control that alerts IT about any network issue—letting them act accordingly and focus on the business core.

Space coverage and security have also been improved. "Now we can create multiple SSIDs, helping us reduce the risk of security breaches and giving us more control over who has access to the network and the information on it," said Alexandre Sicard.

Flexible, future-proof Wi-Fi network

"Owing to our exceptional customer satisfaction, there are imminent plans to introduce additional RUCKUS equipment in the near future to enhance our network infrastructure. In fact, just one month ago, we placed an order for two RUCKUS ICX switches for deployment at our central offices," stated Sicard.

StemmerLife

StemmerLife is the largest distributor of dental products in France. It supplies all health professionals in the dental sector with consumables, laboratory products, equipment and equipment repair services. Founded in 1978 by Armand Stemmer, the company has experienced strong growth and has since established itself in eight European markets: Portugal, Spain, Italy, the United Kingdom, Belgium, Switzerland, and the Netherlands. The Stemmer Group, headed by CEO Vivian Stemmer, is organized around three business groups: distribution, innovation, and digital.

About RUCKUS Networks

RUCKUS Networks designs and builds truly purpose-driven network infrastructure that meets the strictest requirements of all kinds of enterprise environments. Together with our dedicated go-to-market partners, we enable customers to deliver exceptional network experiences, making RUCKUS Networks one of the most trusted brands in the business—a loyal companion ready to help get the job done whatever it takes. RUCKUS Networks is backed by the corporate resources of CommScope, which powers many of the world's most advanced networks.

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