

# RUCKUS® WI-FI CONNECTIVITY: A FRAMEWORK FOR MOBILITY OF CARE

The story of Fondation Partage et Vie began with a small team with a strong entrepreneurial spirit. In 1992, the association Nationale Service Senior Écureuil (ANSSE) was created. Its mission was to bring together retirement homes managed by the Caisses d'Épargne.



Customer  
Fondation Partage et Vie

Location  
France

## Requirements

- Always-on high performance connectivity for residents and staff
- Wi-Fi support for the new sick call system
- Network management centralization
- Network rationalization
- Scalability
- Consistent technology
- Trusted manufacturer with international coverage

## Solution

- 1720 RUCKUS indoor Wi-Fi 6 access points (APs)
- RUCKUS Virtual SmartZone™ (VSZ) controller

## Key outcomes

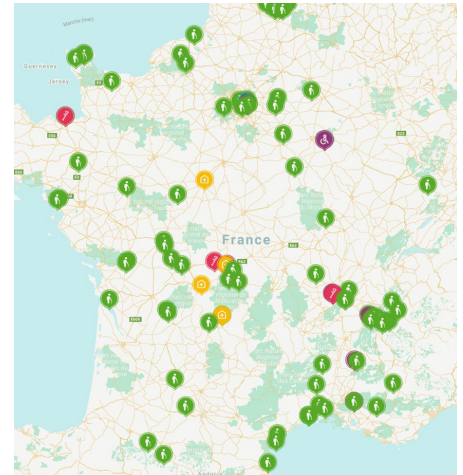
- Homelife experience
- Care service ensured.
- Voice over Wi-Fi
- Patient information anywhere available
- Medical staff mobility
- Day to day management simplified.
- A single network across all establishments
- Technology ready for what's next.
- Network Operations time and costs optimized.

To guarantee the association's long-term future and its humanist, non-profit values, and to offer a wide-ranging response to a problem that is becoming increasingly prevalent in society (the

development of neurodegenerative diseases linked to old age), the association became a public interest foundation in 2001 experiencing tremendous growth: the network grew from three establishments at the outset to 24 in 2001.

In the space of 10 years, almost 70 new or refurbished establishments were launched, bringing the total number of establishments in the network to 118 by 2011. In 2016, it changed to a new governance and a new name "Fondation Partage et Vie".

Today, the Foundation has 126 establishments and 6,500 employees throughout France and the French Overseas Territories.



## Challenges

With an average of 60 employees per site and 7.600 reception places in the medico-social sector, opening an average of 2 to 3 sites per year, Fondation Partage et Vie knows that Wi-Fi connectivity in retirement and disabled homes is not just about providing Internet access. It's about improving the quality of life for residents by enabling communication and providing staff with patient information wherever they are in the organization to ensure quality service.

Continuity of service is crucial for the Foundation's mobility of care. A network outage could hinder staff from accessing patient records and providing the appropriate patient attention. This also applies to internal communications using voice over Wi-Fi.

## In challenging MDU senior living facilities RUCKUS Wi-Fi portfolio provides a clear advantage

The new solution consists of RUCKUS indoor Wi-Fi 6 access points, and RUCKUS SmartZone™ network controller.

RUCKUS Access Points are revolutionizing the way wireless networks operate in Multi-Dwelling Unit (MDU) environments. These environments, which include senior living facilities, often present unique challenges for wireless signal and channel performance. However, RUCKUS APs, equipped with patented technologies such as **BeamFlex™**, the technology that adapts antenna patterns in real-time to maximize signal quality. It does this by focusing RF signals on each client, thereby improving reception and minimizing interference. This results in a more reliable and consistent wireless experience for users, **SmartCast™**, another patented technology that ensures optimal network performance by intelligently managing network traffic. It classifies and prioritizes different types of traffic, ensuring that high-priority traffic such as VoIP calls and streaming video are given precedence over less time-sensitive traffic and **ChannelFly®**, a dynamic channel management technology that selects the best channel to use based on real-time capacity analysis of all RF channels. This helps to

“One of the main challenges we faced was implementing voice over Wi-Fi and RUCKUS experts team provided us with the precise technical requirements. In addition, we needed to simplify the network administration to avoid the need to manage one controller per site, which was time-consuming and caused higher network operational costs.”

**Stéphane Gatterre**  
IT Director, Fondation Partage et Vie

maintain optimal network performance even in highly congested environments.

All these technologies are designed to optimize signal and channel performance in these challenging conditions ensuring residents and staff a high-quality wireless experience.



Now all network devices are managed from a single, easy-to-use web interface for network visibility from the wireless edge to the network core, thanks to RUCKUS SmartZone™ network controller.

## Care service highly improved

Thanks to the new RUCKUS Wi-Fi infrastructure and network links upgrades, high-performance connectivity to all establishments is ensured.

Many modern health monitoring devices require Wi-Fi to function. These devices can track vital signs, remind residents to take their medication, and alert healthcare professionals in case of an emergency.

To date, the Foundation have 2.600 devices (computers and tablets) and 6.500 users for the administrative part able to access the patient's information, administrative files and business applications through a solid and reliable wireless network.

Staff can now focus on core and value-added activities due to network quality causing a huge care service

improvement. The nursing staff can move anywhere with the patient file always available.

The network management simplification through SmartZone™ controller has been crucial. It is now possible to control the entire network from a single console. The controller's centralization has reduced network operations costs and saved lot of time. RUCKUS AI is currently under evaluation to see how this further simplifies life by automatically classifying service incidents by severity—tracing root causes and recommending steps for remediation.

## A team of experts ensures care

RUCKUS experts worked with the CTR and Foundation team throughout the project to its successful completion, focusing on the critical and new area of Voice over Wi-Fi.

Using a single connectivity provider has simplified network tasks and resulted in a consistent network infrastructure, lower operating costs, high efficiency and homelike connectivity experience for residents, concluded Mr. Gatterre.

“We are very satisfied with the project development that has been carried out in several steps by CTR RUCKUS value added reseller. All our expectations have been met, in particular Voice over Wi-Fi has been a valuable experience with a very successful outcome. This has been possible thanks to the precise recommendations received from the RUCKUS and CTR experts' team. In addition, the ability to use the existing Wi-Fi infrastructure to provide Voice over Wi-Fi was very much appreciated.”

**Stéphane Gatterre**  
IT Director, Fondation Partage et Vie



“Simplified network management and centralised control of all devices were key factors in selecting RUCKUS as our solution of choice. In addition, the reliability of the product and the economic model were also highly valued reasons.”

**Stéphane Gatterre**  
IT Director, Fondation Partage et Vie.



**Fondation Partage et Vie.** The starting point was the creation of the Association Nationale Service Senior Écureuil in 1992. Its mission is to bring together the retirement homes of the Caisses d’Épargne. There were about thirty of them at the beginning, but the group grew thanks to a small team with a strong entrepreneurial spirit. In 2001, the association was transformed into a public interest foundation and became the Caisses d’Épargne Foundation for Solidarity. In 2016, a new governance structure was put in place. The Caisses d’Épargne, aware of developments in the sector, changes in regulations and the growing needs associated with longer life expectancy, handed over the reins to players in the sector. The Foundation changed its name to Fondation Partage et Vie.

<https://www.fondationpartageetvie.org/>



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CS-118662-EN (02/24)

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