



Senior Living Complex, France

INTRODUCTION

Thanks to better healthcare standards, increasing affluence, and access to essential medical care in developed countries, we live in a world where life expectancy is rising, with those aged over 60 expected to double by 2050¹. This means that making provisions in housing to support an aging population is vital. By making a living environment more accessible, secure and comfortable, older generations can stay independent for longer and enjoy a better quality of life. This philosophy has formed the building blocks for the "smart" senior living complex in the beautiful scenic regions of Hautes Pyrenees and Moselle, France.

"IT WAS IMPORTANT FOR US TO INTEGRATE A SOLUTION THAT ENHANCED THE QUALITY OF LIFE FOR ALL RESIDENTS. WITH CRESTRON, WE CAN DO JUST THAT..."

Philippe Metzenthin

*Director,
G-ACTIV*

¹ <https://www.un.org/en/sections/issues-depth/ageing/>

THE CHALLENGE

Provide a user-friendly smart control solution within several senior living complexes for a total of 122 apartments. The technology needs to enhance the lifestyle of residents and provide peace of mind and security.



THE SOLUTION

A comprehensive Crestron DIN Rail system, built upon a network of Crestron 3-Series® control systems, to provide a cost-effective and space efficient modular automation solution that can be configured to meet the needs of every resident.



THE TECHNOLOGY

Crestron approved Integrator G-ACTIV, was commissioned to deliver a sophisticated yet simple smart lifestyle solution across 122 apartments in 5 complexes. The technology needed to meet specific criteria, providing a scalable, user-friendly solution that can control the environment within each apartment while also supporting the safety of its residents.

To meet these requirements G-ACTIV installed a Crestron DIN Rail system throughout all the complexes. Designed for scalability, a DIN Rail system provides a modular automation architecture that lets programmers make quick and easy changes to one program without changing the whole system. This is ideal for a project such as this, as each apartment can be re-programmed easily to meet the needs of new occupants. In addition, as the network grows, processing resources can be easily shifted from one 3-Series control system to another without rewriting any code. This makes the entire system simple to upgrade, with minimal downtime for residents.



Each apartment is equipped with its own Crestron DIN-AP3 3-Series control system, which centrally controls all the disparate technologies including lighting, automated shutters, and a network of Crestron Cresnet® sensors to monitor smoke, moisture, temperature, and door and window contacts. The DIN-AP3 sends information about each resident's activity to a centralized monitoring platform via secure, high-speed Ethernet connectivity. The system then automatically alerts family or professional caregivers to any changes in daily activity – abnormal temperatures or sensor alerts, for example – in order to help identify where assistance may be needed to ensure the safety and well-being of each resident. This provides reassurance for both the residents of the complex and their families, while offering a commercial added value for the property owners via service packages with each apartment.

The apartments are pre-programmed with a variety of standardized control features, for example, remote command of shutters and lighting provide comfort for reduced mobility residents. Automatic floor lighting comes on at night to help guide residents safely between their bed and the bathroom, making life safer and more comfortable – particularly for the visually impaired. Residents can control their lighting, automated shutters, and other sensors from a simple digital tablet interface.

RESULTS

Proving that smart living can be beneficial to all, this project is a fine example of how technology can enhance both the lifestyle and safety of a senior population. With careful consideration given towards the needs of residents and caregivers, this complex provides an ideal environment for stylish, independent living with peace of mind. As such, this project by G-ACTIV was awarded "Most Unique Application, Residential" at the Crestron Integration Awards, EMEA in 2019.

Featured Products

DIN Rail 60 Watt Cresnet Power Supply
DIN-PWS60

DIN Rail 3-Series Control System
DIN-AP3

DIN Rail Versiport Module
DIN-IO8

DIN Rail High-Voltage Switch with
Digital Inputs
DIN-8SW8-I

Universal Keypad Interface
C2N-UNI8IO

"THE INTELLIGENT SYSTEM MONITORS FOR ANY UNUSUAL CHANGES IN ACTIVITY, WHICH IN TURN PROVIDES REASSURANCE TO THE FAMILIES OF RESIDENTS, THAT ASSISTANCE CAN BE ALERTED IN A TIMELY WAY IF REQUIRED."

Philippe Metzenthin

*Director,
G-ACTIV*