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**Trifoglio care home**  
Case study







The **Proterceiling** radiant ceiling is an heating and cooling system integrated in the false ceiling.

Using a radiant ceiling in new buildings or in the retrofitting of old buildings has many advantages:

- great comfort without air drafts
- 30% ownership cost saving
- completely silent
- no maintenance required
- unlimited life time
- it adapts to every environment





**Client demand: achieve greater comfort and wellness in heating and cooling by reducing air drafts and optimizing ownership costs.**

Trifoglio is a care home with more than 200 guests composed by heterogeneous ambient: common and recreational areas, accommodation, clinics and offices developed in a total surface of 13.700 m<sup>2</sup>.

The different areas of the building need various micro-climatic conditions, differentiated aesthetic and different accessibility into the ceiling void.

The radiant ceiling in the accommodation and common areas should combine traditional appearance and the need to integrate binaries for the lifting of patients beyond of lighting and ventilation systems. For that reason **GKM 500 Ultra** radiant modules with gypsum finish were chosen, they are installed completely inside of the standard C stud structure for plasterboard.

In the transit and service areas, the metal radiant panels **Kappa Hospital**, specific for healthcare sector, simplify both cleaning and inspection of the systems installed inside the



ceiling void maintaining always an orderly and aligned appearance thanks to the self-centring systems.

For the office area it was paid specific attention to phono-absorption and to make a bright and modern work space. The **Vega Office** radiant panels improve acoustic comfort thanks to the micro-perforated surface and the addition of soundproof materials.

The radiant ceilings turn out as a flexible and efficient solution for the different areas and needs of the project.

Project name: Trifoglio care home  
 Intervention area: 9.700 m<sup>2</sup>  
 Radiant ceilings: Kappa Hospital | GKM 500 Ultra  
 Vega Office | Piano M

Client: Cooperativa sociale Bios  
 General contractor: Giglio spa

Design: Mediapolis Engineering srl  
 Structural and architectural design: Eng. Francesco Fogliato  
 Eng. Silvano Vedelago  
 Mechanical design: Eng. Francesco Torsello