

Giovanni Paolo II Hospital | Ragusa IT  
case study

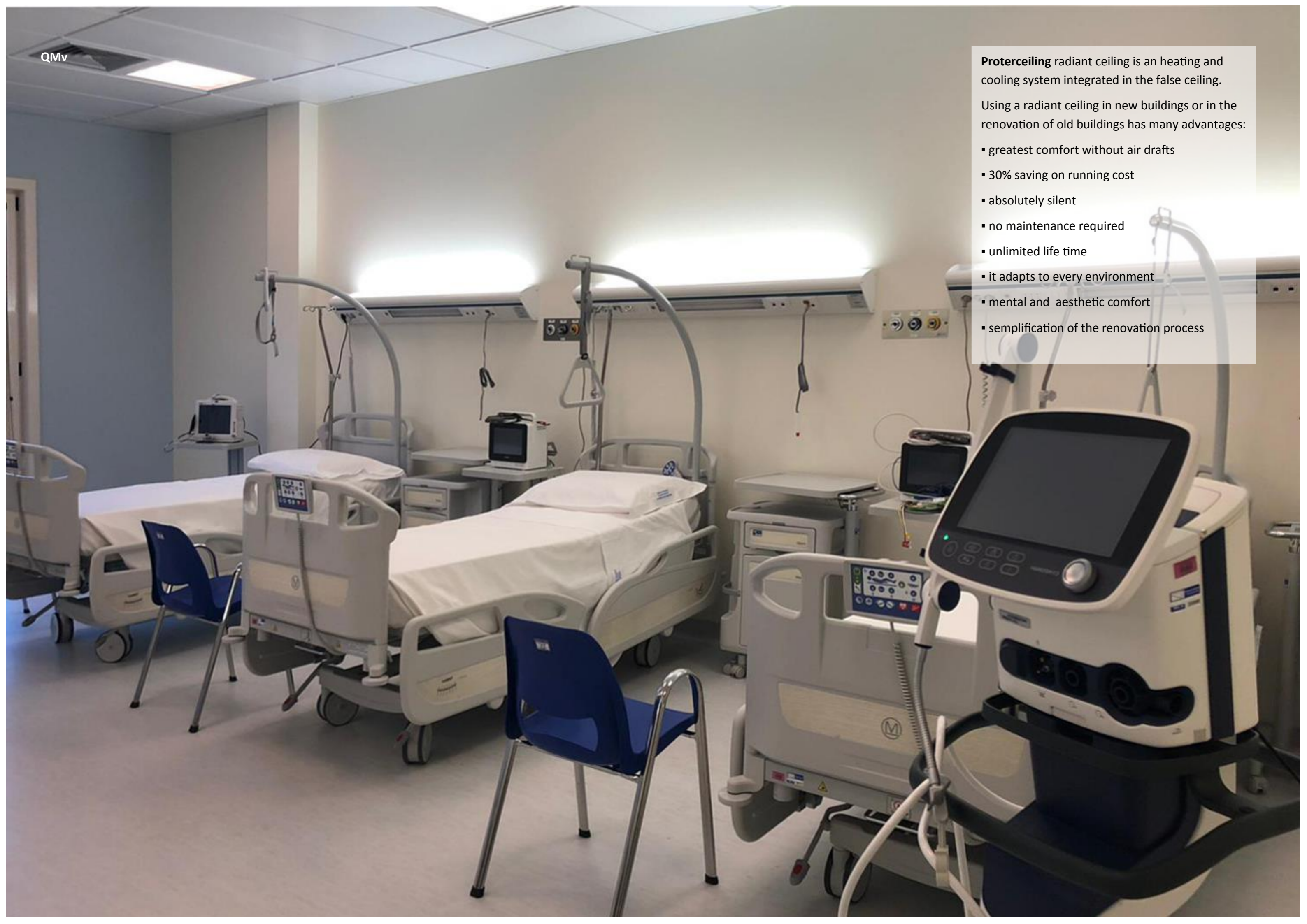
Proter Imex Srl

Via Borgo Molino 12 | 31020 San Pietro di Feletto | Italia  
T +39 0438 784 227 | F +39 0438 784 247 | info@proterimex.it | www.proterimex.it

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

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

- greatest comfort without air drafts
- 30% saving on running cost
- absolutely silent
- no maintenance required
- unlimited life time
- it adapts to every environment
- mental and aesthetic comfort
- simplification of the renovation process





Proterceiling QMv is the **radiant ceiling system chosen to heat and cool the new Giovanni Paolo II Hospital in Ragusa (Sicily)** that was inaugurated in October 2018 and has 220 beds.

The Ragusa's summer design conditions of 34°C are by far the highest value in Italy according to UNI 10339 and place it among the subtropical type C climates according to the Köppen classification.

The radiant cooling and heating system was realized with **QMv metal radiant panels** that are installed on exposed bearing structures. They are joined permanently with elliptical section copper pipe exchanger and are

connected among them with push fitting hoses with double O-ring and anti-extraction safety to guarantee high speed installation and triple safety of seal.

The radiant ceiling, that occupies a minimum ceiling space, is accessible while the system is running to allow maintenance of the above plants without having to interrupt its operation.

Within the QMv radiant system, other systems such as **lighting and ventilation** have been integrated. Furthermore, in the false ceiling is possible to integrate rails for lifting and physiotherapy of patients or lanes for medical instruments.

The aluminium or steel panels and copper heat exchanger are **100% recyclable and environmentally sustainable**.

The radiant system has been installed in hospital rooms, offices, reception, pharmacy and waiting rooms. In waiting rooms with a perforated panel and a sound-absorbing insulation the radiant ceiling can work like an acoustic false ceiling to increase **acoustic comfort**.

**Project name:**

Giovanni Paolo II Hospital -  
Ragusa IT

**Intervention area:**

ab. 7.000 m<sup>2</sup>

**Radiant ceiling:**

Proterceiling QMv

**Client:**

"Maria Paternò Arezzo" Ragusa Hospital