

## Case Study 1

**Project:** Havenwood Nursing home

**Location:** Ballygunner, Co Waterford, Ireland



**Area:** 4132.6 m<sup>2</sup> of heated floor space

### System:

- EuroFast floor heating
- EuroSmart Intelligent heating controls
- Atag compensating condensing gas boilers

### The Brief

To heat 151 rooms, divided into 64 bedrooms, specialist care unit, 38 single en-suite rooms, 4 bed high dependency unit, Separate 22 bed unit & 16 single luxury suites, including dinning, day room and staff facilities across 3 floors. The system must be fast to respond easy to control with limited in room access and provide the precise comfort level required at all times.

### How we did it

Eurotech engineers consulted with the design and build team under the direction of xxx architects. A low temperature EuroFast floor heating system was designed by Eurotech using our in house software. A EuroSmart control system was designed and specified to manage the heating requirements through a computer interface and control all of the mechanical plant room devices to maximise efficiency. Atag boilers were chosen to deliver a weather compensated flow temperature to the fast floor heating via a sequence module.

### Running costs

Weekly cost using gas (March 2009) heating, cooking and laundry € 430.50