



HOSPITALITY

Case Study Number: 18

Overview

- **Location:** Ashbourne (Rural)
- **Size:** 4,879 m²
- **Constructed in:** 2007
- **BER Before:** N/A | **BER After:** N/A
- **Energy Savings:** 371,366 kWh (Estimated)
- **Carbon Savings:** 87.80 tonnes CO₂ annually
- **Display Energy Certificate:** N/A

This light renovation focused on targeted HVAC upgrades to improve cooling efficiency, zonal control, and operational reliability in a regional hotel.



CHALLENGES

- Planning and disruption details were not specified.
- Works were system-specific, with no major structural intervention.

SIMPLE PAYBACK

- **Total project cost:** €382,837
- **Estimated payback:** ~8.5 years
- **Funding Mode:** Private + SEAI Better Energy Community Grant (€114,851)

ADDITIONAL INFORMATION

- The HVAC upgrades improved guest comfort and system performance, contributing to an estimated 87.80 tonnes CO₂ reduction annually.
- Modern controls and zonal heating/cooling improved energy use reliability and comfort in a hospitality setting.

Energy Upgrade Measures

HVAC Upgrade:

- 63 fan coil units and system controllers installed for zoned climate control
- Upgraded AHUs and fan coil systems fully commissioned
- New 344.2 kW chiller installed to increase cooling efficiency