



# HOSPITALITY

Case Study Number: 20

## Overview

- **Location:** Loughrea, Co. Galway (Rural)
- **Size:** 550 m<sup>2</sup>
- **Constructed in:** 1995–1997
- **BER Before:** N/A | **BER After:** N/A
- **Energy Savings:** N/A
- **Carbon Savings:** N/A
- **Display Energy Certificate:** N/A

A medium-depth renovation improved thermal performance, lighting efficiency, and renewable energy use in this member-owned rural sports club.



## CHALLENGES

- The 3-year phased renovation included grant paperwork hurdles, and SEAI funding was not pursued due to cost-benefit concerns.
- Minimal disruption occurred, aside from a 1-month bar/restaurant closure.

## SIMPLE PAYBACK

- **Total project cost:** €211,870 (after grants)
- **Estimated payback:** ~4 years
- **Funding Mode:** Private + Membership Body Grants (€36,000)

## ADDITIONAL INFORMATION

- This upgrade achieved significant operational improvements and supported wider sustainability through electric transport and rainwater harvesting.
- The retrofit enhanced user experience and functionality while maintaining low disruption.
- EV charging added for electric buggies to enable low-emission local transport.

## Energy Upgrade Measures

### Fabric Upgrade:

- Attic insulation added to improve thermal efficiency.
- Interior finishes enhanced comfort but were not energy-specific.

### Lighting Upgrade:

Full LED lighting retrofit with motion sensors for occupancy control.

### Renewable Energy Integration:

Solar PV system installed, covering approx. one-third of annual electricity needs.

### HVAC Upgrade:

Two condensing boilers installed to boost heating efficiency.