



WAREHOUSE

Case Study Number: 15

Overview

- **Location:** Galway City (Urban)
- **Size:** 5,815 m²
- **Constructed in:** 2001
- **BER Before:** D2 | **BER After:** D1
- **Energy Savings:** 23% reduction
- **Carbon Savings:** N/A
- **Display Energy Certificate:** N/A

This light renovation upgraded lighting and HVAC systems—delivering improved energy performance and operational comfort in a multi-tenant logistics facility.



CHALLENGES

- Tenant relocation was required during renovation, which was managed through use of vacant internal spaces.
- No planning permission or additional approvals were required.

SIMPLE PAYBACK

- **Total project cost:** €184,283
- **Estimated payback:** ~6 months
- **Funding Mode:** Private

ADDITIONAL INFORMATION

- The chiller upgrade alone contributed to a 23% energy reduction.
- Comfort improvements and lighting enhancements supported ongoing operations with minimal disruption.
- Tenant relocation during the 12-week renovation was well managed.

Energy Upgrade Measures

Fabric Upgrade:

Soundproofing installed in canteen wall for minor thermal and acoustic benefits.

Lighting Upgrade:

New LED lighting with PIR (motion sensors) for energy-efficient, occupancy-based control.

HVAC Upgrade:

Replacement of existing HVAC system and installation of a new chiller unit for improved cooling and comfort.