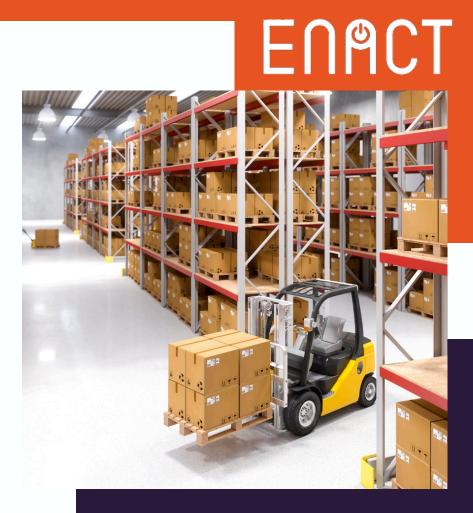


WAREHOUSE Case Study Number: 15

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.