



**Annabella Offices, Mallow.
Attic Insulation Before and After**



Following successful completion of the project the following benefits arose:

- 28% annual heat energy savings in buildings with storage heating
- Annual oil and electricity savings with improved insulation in attics and walls
- Average payback of 4.33 years reduced to 1 year with SEAI grant
- Total savings per annum of:
 - 51,397 kWh
 - 205,321 kgCO2
 - €4,183
- More comfortable working conditions for staff.
- Model for future energy upgrades in public buildings

Improved DEC ratings as a result of upgrades

	Display Rating	New Display Rating
Cobh/Glamire Area Office	E1	B3
Bandon Area Office	G	G
Carrigaline Area Office	E2	C1
Ballinacollig Area Office	F	E2
Kinsale Area Office	D2	C2
Douglas Area Office	G	B2
Charleville Area Office	D1	C3
Newmarket Area Office	G	B3
Newmarket Extension	G	B3
Mitchelstown	D2	B3
Annabella	C2	C2

Mallow Print 022 27176



**Communicate Your
Building Energy Rating
Building Upgrades
Case Study**

Take Control!

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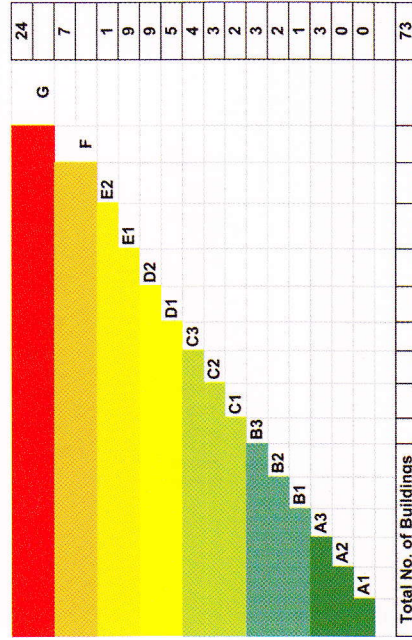


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INTRODUCTION

The Communicate Your Buildings Energy Rating (CYBER) project is a 30-month project. Funded through the Intelligent Energy Europe call of the European Commission. The objective of CYBER is to show that reducing the energy consumption of buildings in Europe, can be significantly accelerated if Local Authorities stimulate behavioural change by communicating the performances of their buildings to all building users.

Cork County Council's Energy Agency in collaboration with 15 other European organisations are involved in this project. The work programme involves the rollout of a significant campaign aimed at building users (staff and public) the initial DEC (Display Energy Certificate) ratings were carried out on all of our public buildings exceeding requirements of EPBD.



Following the building audits for the DEC ratings, a successful application for match funding was made to Sustainable Energy Authority of Ireland (SEAI) to allow energy upgrade works to be carried out on 11 buildings:

- Cobh/Glanmire Area Office
- Bandon Area Office
- Carrigaline Area Office
- Ballincollig Area Office
- Kinsale Area Office
- Douglas Area Office
- Charleville Area Office
- Newmarket Area Office
- Newmarket Extension
- Mitchelstown Area Office
- Annabella Offices, Mallow

The upgrade works primarily centred on electrical heating upgrades in the form of time clocks on storage heaters. And insulation upgrades in the form of pumped cavity wall insulation and pumped rockwool attic insulation. In some cases the insulation works were top-ups to current levels of insulation in other cases no insulation previously existed. The table opposite gives a summary of works completed.

BUILDING	TIME CLOCK	ATTIC INSULATION	WALL INSULATION
Cobh/Glanmire Area Office	Yes	150mm top-up	60mm top-up
Bandon Area Office		150mm top-up	
Carrigaline Area Office	Yes	150mm top-up	60mm top-up
Ballincollig Area Office		150mm top-up	
Kinsale Area Office		250mm	
Douglas Area Office	Yes	250mm	100mm
Charleville Area Office		150mm top-up	
Newmarket Area Office	Yes	150mm top-up	100mm
Newmarket Extension	Yes		60mm top-up
Mitchelstown Area Office			100mm
Annabella Office, Mallow		250mm	