

Marshalstown Community Centre

Community Centre built in 1985. The building is used every night for meetings, bingo, sports activities, and community activities.

Project Overview

Company name:	Marshalstown Community Centre
Project actions:	Insulation Upgrade: Walls – Pump cavity with 50mm bonded bead. Windows/ Doors Upgrade
Finance source:	Internal
Additional funding:	SEAI BEC 2019 programme
% funding:	50%
Grant amount:	€ 10,598.65
Total project cost:	€ 21,197.30
25-year savings:	€ 3,214.50
Simple payback time:	>20 years

About the Client

Community Centre located in Marshalstown, Wexford. The community centre was built in 1985 and the client was looking to complete a two-phased energy upgrade.

The first phase was to fill the cavities, window and door replacements, and install roof insulation. The next phase was to implement a heating and lighting upgrade.

The Community Centre is used by the residents of Marshalstown for a number of activities and so is occupied almost every night. As a result, these upgrades were necessary to reduce the electricity and heating costs of the centre, and to make it more energy efficient.

3cea coordinated the entire BEC application from the initial energy audit, procurement to warranty checks and all required paperwork.

The Challenge

Built in 1985, the building was in need of an upgrade. Energy upgrades were planned in a number of phases; phase 1: fill cavity, window and door replacement and roof insulation. Phase 2: heating upgrade and lighting.

The Approach

The insulation was upgraded by installing a walls pump cavity with 50mm bonded bead. The total wall area was also increased to c.600m². Finally, the windows and doors were also upgraded to better contribute towards insulation of the building.

Results



312.994

5 kgCO₂

Reduced carbon footprint by just under 313kg by investing in improved insulation.



€128.58

Annual savings

The improved insulation has led to a reduction in thermal energy used on the site.



1365 kWh

Energy savings

Investment payback time is high, however these changes improve the efficiency of the building and reduce the heating energy needed.

Get in contact

We expect more community centres will follow in the footsteps of Marshalstown Community Centre and invest in insulation and thermal energy saving initiatives under the SEAI Better Energy Communities Program. Send a brief overview of the project to: admin@3cea.ie or call 056 779 0856.



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