

# Insulation Upgrade

## Irish Wheelchair Association

*Irish Wheelchair Association's building was constructed in 1980. There is a large electricity, oil and gas demand for heating at their building. However, after successfully upgrading increasing their attic and wall insulation, the benefits and cost savings were clear. The 3 Counties Energy Agency (3CEA) through the Sustainable Energy Authority of Ireland's Better Energy Communities programme is helping by administering state-wide funding for energy efficiency and renewable energy projects.*

## Summary

<b>Company name:</b>	<b>Leetherm/Irish Wheelchair Association</b>
<b>Project actions:</b>	Increase attic insulation from 100 mm to 300 mm by insulating across existing insulation. Fill cavity wall with pumped enviro-bead plus bonded bead insulation.
<b>Finance source:</b>	Internal
<b>Additional funding:</b>	SEAI BEC 2018 programme
<b>% funding:</b>	50%
<b>Grant amount:</b>	€ 2,494
<b>Total project cost:</b>	€ 4,988
<b>25-year savings:</b>	€ 8,967
<b>Simple payback time:</b>	6.9 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO <sub>2</sub> (tonnes)
<b>Imports Before project</b>	<b>16,288 kWh</b>	<b>€ 1,954.56</b>	<b>3.3 tonnes</b>
<b>Imports After project</b>	<b>13,299 kWh</b>	<b>€ 1,595.88</b>	<b>2.7 tonnes</b>
<b>Savings</b>	<b>2,989 kWh</b>	<b>€ 358.68</b>	<b>0.6 tonnes</b>

## Benefits

Thanks to the insulation upgrade, Irish Wheelchair Association saved money and reduced its carbon footprint through the BEC 2018 Programme.

The insulation upgrades have helped increase the thermal comfort of the building for its users and reduced the number of hours the heating is required.

*The application process for the 2019 energy efficiency and renewable energy projects has just been launched. 3CEA are working hard to develop another award-winning project involving SMEs, local community groups, local authorities and homeowners.*

*For more information on BEC please contact 3CEA office.*

