

Cooling System Upgrade

The Ardilaun Hotel

With a large electricity demand for cooling, the Ardilaun Hotel is concerned about promoting a sustainable energy practice while meeting its daily business objectives. However, after successfully installing their new energy efficient cooling system with eco-python, 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

Company name:	The Ardilaun Hotel
Project actions:	Replacement of previous cooling system with a new high efficiency cooling system with eco-python piping.
Finance source:	Internal
Additional funding:	SEAI BEC 2016 Programme
Grant amount:	€ 945.00
Total project cost:	€ 3,150.00
25-year savings:	€ 137,863.00
Simple payback time:	0.4 years



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	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	902,199	€ 198,483.78	476.36tonnes
Imports After project	877,133	€ 192,969.26	463.13 tonnes
Savings	25,066	€ 5,514.52	13.23tonnes

Benefits

Thanks to the cooling system upgrade, the Ardilaun Hotel has saved money and reduced its carbon footprint, helping both the business and the environment.

The Ardilaun Hotel's cooling system with eco-python piping, with its higher efficiency, is both more environmentally friendly and more cost effective.

The eco-python piping is a safer alternative. Characterised by the total absence of toxic materials, in the case of a fire any fumes produced are transparent and non-toxic.

The application process for the 2019 energy efficiency and renewable energy projects has just been launched. For more information on BEC please contact 3CEA office.