

Pump Upgrade

SMARTPLY Europe DAC



Smartply located in Belview, County Kilkenny manufacture high quality OSB panel products. Over the past few years Smartply has already achieved significant energy savings in the process through the application methods outlined in the SEAI published EED methodology (pre-cursor to IS399), six-sigma and Lean methodologies. Compressors are source of a large electricity demand for Smartply. However, after successfully replacing their compressors and reducing plant air demand, 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:	ESB Innovation ROI / Medite SmartPly
Project actions:	Replace two existing compressors with two new higher efficiency units. Reduce plant air demand through fixing identified leaks.
Finance source:	Internal
Additional funding:	SEAI BEC 2018 programme
% funding:	30%
Grant amount:	€ 115,800
Total project cost:	€ 386,000
25-year savings:	€ 2,324,400
Simple payback time:	2.9 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	2,394,936 kWh	€ 214,107.28	979 tonnes
Imports After project	1,354,936 kWh	€ 121,131.28	554 tonnes
Savings	1,040,000 kWh	€ 92,976.00	425 tonnes

Benefits

Thanks to the pump upgrade, Medite Smartply saved money and reduced its carbon footprint through the BEC 2018 Programme.

The replacement of the pumps has helped reduce the number of hours the compressors are used and reduced the compressed air running costs of the facility.

. 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.