

# Drying System Installation

## Portlaoise Fire Station

Portlaoise Fire Station was built in 2003 and had a large electricity demand for drying equipment at their building. However, after successfully upgrading their drying system, 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>	Laois County Council
<b>Project actions:</b>	Installation of a Top Trock drying system with timer control, to dry equipment.
<b>Finance source:</b>	Internal
<b>Additional funding:</b>	SEAI BEC 2017 programme
<b>% funding</b>	30%
<b>Grant amount:</b>	€ 4,786
<b>Total project cost:</b>	€ 15,954
<b>25-year savings:</b>	€ 21,718
<b>Simple payback time:</b>	12.86 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO <sub>2</sub> (tonnes)
Imports Before project	67,698 kWh	€ 11,508.66	31.7 tonnes
Imports After project	62,588 kWh	€ 10,639.96	29.3 tonnes
Savings	5,110 kWh	€ 868.70	2.4 tonnes

## Benefits

Thanks to the drying system upgrade, Laois County Council saved money and reduced its carbon footprint since through the BEC 2017 Programme.

The drying system upgrade with the installation of a timer control have helped increase the drying efficiency and reduced the number of hours the drying system is required.

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.