

# CLONARN CLOVER

## FOOD PROCESSING



## THE BACKGROUND

Established eighteen years ago on a small farm in Co. Cavan, Clonarn Clover has grown into the **largest supplier of free range eggs to the retail sector in Ireland**. Today, Clonarn Clover packs the eggs of 100,000 free range laying hens spread across a 60 km radius, and distributes them across their national customer base.



As a business deeply rooted in the local community, Clonarn Clover recognises their **responsibility for protection of the local environment** and strongly believes in the **value of sustainability**. They have recently reaffirmed their commitment to sustainability by becoming a **verified member of the Origin Green programme**, committing to many challenging sustainability targets in the process.



Clonarn Clover identified **energy use efficiency** as a key area that could be targeted to help them enhance their sustainability agenda and to **reduce operational costs**.

So what could Wattics do to help?

## THE ANSWER

Wattics can help companies with the Origin Green sustainability target area of 'Manufacturing Processes', which includes targeting reductions in energy use and emissions. Our innovative energy management solutions have been proven to help customers manage and reduce their energy use. It was for this reason and our experience in the food processing sector that prompted Clonarn Clover to engage with Wattics to help them manage their energy consumption.

Sustainability Target Areas		
Raw Material Sourcing	Manufacturing Processes	Social Sustainability
Supplier Certification Sustainability Initiatives	Energy Emissions Waste Water Biodiversity	Health & Nutrition Community Initiatives Employee Wellbeing

Figure 1: Origin Green Charter – Sustainability Target Areas

**Prior to working with Wattics, Clonarn Clover found it very difficult to effectively monitor their energy consumption** using traditional bills and almost impossible to pinpoint appliances or particular problem areas responsible for energy waste. Wattics installed an energy management solution to monitor electricity consumption in all the main areas throughout the site, including the egg grading & packing facility and the adjoining administration areas.

**The Wattics solution allowed Clonarn Clover to actively monitor significant energy users, analyse energy usage patterns and identify energy saving opportunities.**

## THE RESULTS

Since the introduction of the Wattics system, Clonarn Clover has utilised the information provided by the online energy Dashboard to become **savvier with their energy usage** and to **optimise the operation of certain equipment**. They have managed to **reduce energy use by as much as 10% for some equipment by implementing simple but effective measures** such as encouraging staff to start up equipment only when needed and turning off during production breaks.

The system has also provided Clonarn Clover with valuable information allowing them to make **clever business decisions** towards their sustainability targets.

In one case, they analysed the energy running costs for one of their Sleeve Wrappers used in the packing process and determined that it made economic sense to change the wrapper to one that does not use plastic and therefore does not require heating. This decision will further improve the sustainability of their supply chain by decreasing the use of plastics.

*"Wattics has enhanced my company's sustainability initiative by increasing our energy awareness. I know exactly how much energy my company is consuming and which individual areas are responsible for that consumption. Working with Wattics helped us to work smarter, not harder, which facilitated making our environmental and economic benefits realistic and achievable."*

– Edel Farrelly, Quality & Sustainability Manager



**Working with nature**

## OTHER BENEFITS

- ▶ **Wattics Sentinel Analytics** sends notifications to your Dashboard, by email or by text to notify you about abnormal changes in energy use, equipment inefficiencies or even equipment failure
- ▶ Set up **Energy Performance Indicators** to track facility performance over time
- ▶ **Measure & Verify energy savings** from implemented energy saving measures

