



Customer Case Study

Peter Green Chilled

PETER GREEN CHILLED

**Driving operational improvements for
the distribution network behind the UK's
leading supermarket brands.**

Passionate about carbon footprint reduction through sustainable international operations

Since its beginnings in the early 1960s, Peter Green Chilled has expanded steadily in both scale and vision while staying true to its family roots and is now the leading distributor of food produce for UK and European supermarkets.

Specialists in chilled, ambient and frozen food storage and transport, nothing can be left to chance when it comes to getting food items to where they need to be, on time and in perfect condition.

A round the clock operation, at any one time the company has over 80 articulated lorries out on the road, delivering food produce in state of the art, dual chambered, multi-



temperature vehicles. The biggest brands in food such as M&S, Tesco, and Sainsburys rely on Peter Green Chilled for precision deliveries. In turn, Peter Green Chilled relies on continuous operational improvements to remain a leader in a fiercely competitive and fast-moving space, keeping processes as efficient and as sustainable as possible.

The Challenge

With big brand clients increasingly requiring proof of sustainable supply chains, Peter Green Chilled needed to be able to demonstrate what improvements they were making to reduce the carbon footprint of their operation, minimising their contribution to Scope 3 numbers. Poor pallet wrap performance was one area that not only contributed to costly increased wrapping times, but was also responsible for damaged deliveries and the inevitable costs (financial and environmental) of having to use more plastic than needed.

24 hour operation

Vulnerable and delicate products

10,000 pallet spaces in multi-temperature storage



The Solution

Acopia performed a **Transit Packaging Optimisation Health Check** to measure their existing pallet wrap compared to a high-performance alternative looking at; load stability, plastic use and sustainability profile, and despatch optimisation.

One of the services Acopia also performed was a **Pallet Wrap Machine Optimisation Check** which analyses the current set-up, with a view to enabling a more efficient operation that maximises output.

The Results

Our aim was to reduce the amount of plastic pallet wrap needed to minimise environmental impact and yet achieve a vastly improved pallet load stability profile and speed up pallet throughput.

The existing machine and pallet wrap combination was also highlighted as an area of improvement and optimisation. A Power Stretch pallet wrap machine, which is recommended for high volume users, in combination with a high-performance pallet wrap was key to unlocking bottle necks and improving performance. The financial investment for the machine was recovered in less than 5 months through increased pallet throughput times and with each roll of pallet wrap lasting longer through optimised set-up and performance. Using a thinner yet stronger high performance film has resulted in less frequent ordering due to a vastly increased load containment profile reducing both cost and plastic use.



**Pallet Machine
ROI in less than
5 months**

52%
reduction in plastic use

42%
reduction in CO2 emissions

40.2%
improvement in load stability

7500
extra pallets wrapped
per tonne of pallet wrap

4.8
8 hour days saved
in roll changes



The iWrap switch was seamless and the results speak for themselves. We've reduced waste, saved money, and improved our sustainability credentials, while improving performance. With Acopia's support, having everything being explained and demonstrated in depth to the team at Peter Green Chilled, we were able to understand the inefficiencies and the logic behind the solutions and really appreciate their educated advice.

Peter Green Chilled

