



# Delivering Value with Quorn

## Food & Beverage | Case Study

*Quorn, part of the Monde Nissin Corporation, is the UK's number one meat-free brand with annual sales of around £150m.*

### | Challenge

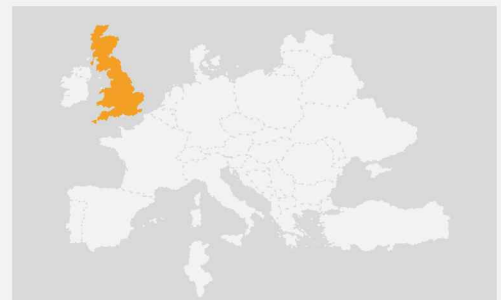
As the first global brand in its sector to achieve Carbon Trust certification of its carbon footprint figures, Quorn Foods wanted to guarantee the energy needs essential for the production facilities and reduce carbon emissions.

### | Solution

With a focus on further reducing the carbon footprint, Veolia designed and installed a **2MWe Combined Heat & Power unit + complementary boiler that provide low-carbon electricity, hot water and steam to the production facility** at Stokesley, North Yorkshire. To ensure electrical connection of the CHP went smoothly, the Veolia team was closely involved with suppliers and the Electricity Board.

To support production processes, the CHP runs 24-hours a day and is operated and maintained using Veolia's Integrated Management System which provides remote monitoring and control 365-days a year. A comprehensive maintenance service, provided by Veolia's nationwide service teams, guarantee availability to ensure the Quorn production facility gets the energy supplies it needs.

The Veolia CHP is one of the new lean burn units that deliver the high electrical efficiency required to support this production process. By harnessing the heat produced in the generation process and reducing transmission over long distances by being site-based, the CHPs save energy and reduce carbon emissions. This makes them twice as energy efficient as grid-supplied electricity and separate heat plant.



*Stokesley, North Yorkshire*



***Solution: CHP**  
installation & Energy  
Management*

**Generates 13GWh of low  
carbon electricity per year**

**Cuts CO<sub>2</sub> emissions by 3,100  
tonnes each year**

**Supports Carbon Trust  
Certification**

## | Benefits

The carbon emissions reductions contribute to Quorn's sustainability goals and securing the energy supplies to the production facility. By displacing purchased grid electricity, the on-site CHP plant provides more resilience for other grid users.



*Veolia provided the complete CHP service we required including design, installation and life-time maintenance. This in-turn provides us with the utilities we need to maintain production and helps boost our sustainability. **Neil Dobby, Senior Procurement Manager, Quorn***



**VEOLIA'S PURPOSE: committing to a multifaceted performance**



### **ENVIRONMENTAL**

CO<sub>2</sub> emissions reduction  
Reduces energy costs  
Supports Carbon Trust Certification  
Energy costs less susceptible to market price changes