



## FINDUS CUTS FUEL COSTS BY 6.6%

The installation of the proven Maxsys Fuel Systems at the Benton Lane, Newcastle plant of Findus has reduced the natural gas consumed by its three boilers by 6.6%. This substantial saving will allow the company to recoup the outlay on its investment within an impressively brief 12 month period.

### The Challenge

Findus is a household name in frozen food. Few can claim never to have sampled its food ranges, such as the popular French bread pizzas and crispy pancakes. Apparently, Findus manufactures three crispy pancakes every second and, over the past 30 years, has produced more than 2.1 billion – enough to stretch around the world six times!

Large scale manufacturing requires substantial fuel consumption. The plant on Tyne & Wear employs 400 people and frozen food manufacture is its core business. To provide steam generation for both processes and heating, the busy plant uses three Danks MOD125 Metric boilers, all running with Saacke CG40-4960 burners. These are fuelled by natural gas and, until recently, annual consumption stood at approximately 2.4 million cubic metres.

“We are continuously looking at ways to improve on both our fuels costs and environmental impact,” says Lance Herdman from Findus. “We have an energy team on site and we look at many different ways of saving energy from more efficient practices through to the possibility of using technology such as wind turbines.”



### The Solution

Maxsys contacted Findus to describe the service and benefits on offer through the adoption of the Maxsys Fuel Systems. The established fuel treatment technology improves combustion by applying a finely calibrated magnetic field directly to the fuel. There are no moving parts and the units are maintenance-free.

“The Fuel Systems looked to be a ‘win/win’ situation, where this proven technology offered a saving of at least 5%, typically,” says Mr Herdman.



## The Outcome

Maxsys followed up the installation of the Fuel Systems with a final report and conclusions. The fuel savings were even better than expected.

“As it turns out, trials and calculations conducted before and after the installation of the Fuel Systems concluded that we had gained a 6.6% reduction in gas consumption,” says Mr Herdman. “Naturally we are delighted with this outcome, and it will enable us to achieve payback within 12 months. The reduction in CO2 output is also welcome. The site is constantly seeking ways to reduce our environmental impact as part of our Climate Change Levy agreement.”

Mr Herdman was also impressed with the level of service provided by Maxsys, which supplied a team of engineers to undertake testing and monitoring of the installation. He comments, “Maxsys proved excellent throughout the entire project, from the initial concept stage right through to the installation, which was completed ahead of schedule.”



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Lance Herdman,  
Engineering Manager.

