



The Challenge

The Dunne’s Dairy farm was established in the 1950s when Gerald Dunne’s father, Major Terence bought the plot of land upon which it sits. A herd of cows came with the sale and this marked the beginning of the Dunne’s journey into dairy farming. 70 years on, the family run farm has grown from strength to strength under the direction of Gerald Dunne and his son Henry.

In the mid-70s Gerald Dunne began to work on the farm and was the force behind its expansion to 120 cows in the mid 90’s. Then in 2008 after finishing a degree in Business Gerald’s son Henry returned to Wexford to help run the farm. Once again the farm expanded and is now up to 160 cows with plans to grow to 200.

The Parlour Expansion

With a growing farm in 2018 the Dunnes began a major transformation of their old dairy parlour into one suitable for housing the state-of-the-art Lely Astronaut robotic milking system.

The Lely Astronaut milking system is a flexible robotic milking system giving dairy farms 24/7 access to milking which offers the cow unlimited access to basic needs without any restrictions. (lely.com)

Gerald and Henry pride themselves in supplying a top-quality dairy product so began a search for a hot water solution that would suit their needs and fulfil the requirements of the Lely Astronaut. As Lely is incompatible with chlorine and has built in hot water alarms a reliable and instant hot water system is vital.

‘I recommended supplying two gas water heaters to wash the 18,000-litre milk tank. We positioned the boilers as close as possible to the milk tank. That meant a faster hot water flow with no lag in the inlet line. Gerald and Henry are delighted with the results.’

The Flogas Solution

The Dunnes had seen the Flogas Dairy system in action on other farms and were keen to investigate how Flogas could meet their own hot water requirements and reduce electricity costs.

They requested a free farm visit. David Conroy the Flogas Farm On-Site demonstrator called into the Wexford farm mid-construction to undertake a free survey, assess the requirements and offer guidance.

David Conroy was able to advise the Dunnes on how to achieve maximum usage from the Flogas Dairy system while minimising hot water loss.

As part of the Flogas solution a monitoring system called Telemetry was introduced. This system pulses back tank readings to Flogas every day which allows Flogas to automatically schedule gas deliveries to the farm when required.



Want to find out more?

If your current system is not providing you with the level of service you require and contributing to high bills, call Flogas for your free on-site survey and quotation for a new system tailored to your Dairy Farm. We will analyse your existing energy costs and outline the savings and benefits you’ll enjoy by converting to Flogas LPG.

*Calculations based on energy prices of LPG & Electricity at time of case study (Jan 2016)

‘We also positioned a third water heater directly beside the Lely robots as the Dunnes wisely pre-ordered their robots with an optional extra water intake valve. This specific water valve allows our boiler to feed the robots directly with hot water at 85°C. Without it, the robots would have had to use electricity to heat the water, which would have been a very costly alternative.’
David Conroy, Flogas Farm On-Site demonstrator.

The Changeover Process

The Dunnes opted for the Flogas Dairy hot water system and Flogas arranged for a smooth changeover as part of the overall parlour upgrades and expansion.

A Flogas LPG bulk tank was delivered while the wall-mounted water heaters were installed and connected to the Flogas tank.



Results

On demand hot water delivering temperatures from **37°C to 85°C**

Easy to use controller

No hot water storage costs day or night

Reduced carbon footprint and full control of the amount of hot water that is used



“The changeover went without a hitch and we now have a top-class system powered by Flogas LPG, heating water instantly to temperatures ranging from 37°C to a bacteria-killing 85°C.”



Henry Dunne

Contact Flogas for free site visit

To quote the savings that will be made (Energy Survey)
To carry out tank location assessment
To draw up a proposal and pricing

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FlogasIreland

LPG

A photograph of Gerald and Henry Dunne standing next to a white Flogas LPG tank. Gerald is on the left, wearing a brown quilted jacket and a flat cap. Henry is on the right, wearing a red sweater and light blue jeans, with his arms crossed. The tank has the Flogas logo and 'EMERGENCY SHUT OFF VALVE' written on it.

Hot Water in an Instant

Lely Robotic Dairy Farm
Gerald and Henry Dunne

Wherever you are

