



Choosing an efficient source of heat and hot water in rural area.

“The Sapphire has proven itself to be a reliable and efficient boiler, integrating itself well with our Genius Hub control system. We have noticed an improvement in our oil consumption, compared to our old boiler and it’s looking like we may have reduced our consumption by at least one tank fill per year, a saving of around 1000 lts per annum”.

Robin&Laura Smith, owners of Ciderpress Cottage



Situation

Ciderpress Cottage is located in Wales off the grid. This property had chosen for a Sapphire boiler trial. It should be integrated in an existing Genius Hub control system. The heating system is required an improved and more efficient heating solution.

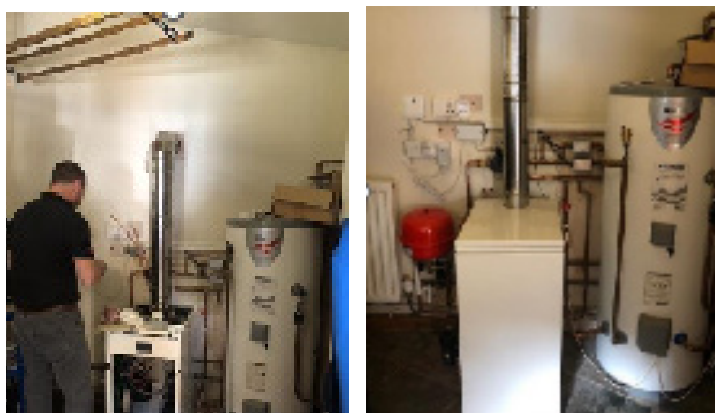
Solution

A Sapphire oil boiler was installed in the property, replacing an existing condensing oil fired boiler. The installation process involved removing the outdated system, which had become less efficient over time. The new Sapphire boiler was carefully selected for its advanced technology and high efficiency, ensuring optimal heating performance.

Benefits

By upgrading the existing heating system to Sapphire boiler, the Ciderpress Cottage now benefits from reduced fuel consumption and lower CO₂ and NO_x emissions.

The advanced technology in the Sapphire boiler ensures a consistent and reliable heat output, providing greater comfort throughout the cottage. The system's quiet operation also enhances the living environment by reducing noise pollution. Moreover, the Sapphire boiler is designed with durability in mind, minimizing the need for maintenance and extending the lifespan of the heating system



A front view of Sapphire boiler in Ciderpress Cottage

Robin and Laura Smith, the owners of Ciderpress Cottage said: **“We were fortunate to have met the criteria to take part in EOGB’s new oil boiler trial. Sapphire boiler has been our principal source of heat and hot water now for a little over two years. We have noticed a decrease in our oil consumption, compared to our previous boiler. It is looking like we have reduced our consumption by at least one tank fill per year, saving around 1000 litres of oil per annum.”**

“...Living in a rural area, an in an old property, more sustainable ways of heating are unfortunately not viable...We hope that with the continuing support of the team from EOGB, and the Sapphire Oil Boiler we can use oil in the most efficient way currently available, allowing us, we hope, to continue to further reduce our consumption, and in turn our impact on the environment”.

Technical

The Sapphire boiler is a modern fully modulating liquid fuel boiler, delivers the best energy efficiency and carbon emission reduction.

- Heat Output: 6-32 KW
- Total Consumption: 0.66 kWh
- Efficiency Rating: 98% (ErP A-rated)
- Water Content: 62 litres
- Fuel Type: Oil (compatible with standard heating oil and biofuel blends)
- Heat Exchanger: Stainless Steel (high durability and corrosion resistance)
- Burner Type: Low-NO_x, modulating burner
- Control System: Integrated Smart Controls with Wi-Fi connectivity, allowing remote monitoring and adjustment via a mobile app, plus option to use standard controls.
- Emissions: NO_x emissions below 30 mg/kWh
- Dimensions: 425mm (W) x 860mm (H)
- Weight: 88 kg
- Warranty: 25 years on heat exchanger
- Maximum hearth temperature - 100 °C
- Maintenance: Low maintenance design with easy access for service and cleaning
- Additional Features:
 - OpenTherm thermostat
 - Multi-zone heating capability
 - Digital flame monitoring
 - Automatic fault diagnosis

