



CASE STUDY

Underfloor Heating for Barn Conversion To Events Venue

PROJECT AT A GLANCE:

- Barn conversion
- 333 sqm
- Commercial Underfloor Heating
- 2,400m MLCP with clip system to floor insulation
- 2x 12 port manifolds
- Annual fuel savings of £2,040 (compared to heating oil)



OBJECTIVE

Tuffon Hall Vineyard, a prestigious winery in Essex, sought an environmentally friendly and efficient heating solution for their newly converted barn, now a stunning events venue. The challenge was to provide consistent warmth and comfort to the space while minimizing energy consumption and reducing the carbon footprint.

SOLUTION

To meet these requirements, Heat Different partnered with Multipipe to design and install a cutting-edge heating system. The core of the solution was a ground source heat pump paired with an underfloor heating system.

- **Precise Heat Loss Calculations:** A detailed heat loss calculation was conducted to determine the exact heating requirements for the space.
- **Optimised Underfloor Heating System:** A well-designed underfloor heating system with carefully selected pipe spacing was installed to ensure even heat distribution and optimal performance.
- **Efficient Manifold System:** Multipipe manifolds were used to efficiently distribute the heated water to the underfloor heating loops.
- **Durable and Reliable Components:** The installation utilised high-quality Multipipe products, including MLCP pipe, ensuring long-lasting performance and minimal maintenance.

The collaboration between Multipipe and Heat Different resulted in a successful project that exceeded the client's expectations. The new heating system enhances the comfort and ambiance of the events venue, while aligning with Tuffon Hall's commitment to sustainability.