



CASE STUDY

LARGE NURSING HOME IN WEST MIDLANDS

Biomass Installation

CASE STUDY DELIVERED BY



Overview



Challenge:

A nursing home in the Midlands contacted MJS Energy with the goal of removing their reliance on fossil fuels.

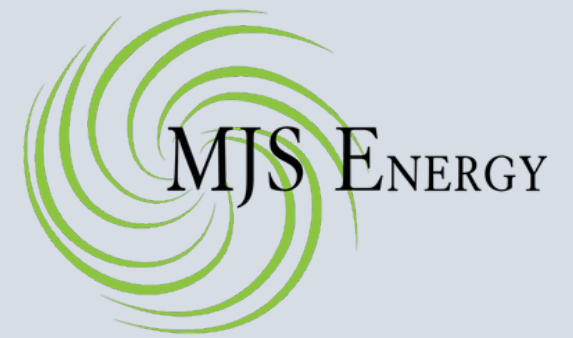
Their existing boilers were nearing the end of their lifespan, and they sought a renewable heating solution to ensure efficiency, sustainability, and cost-effectiveness. Additionally, they wanted to take advantage of the Renewable Heat Incentive (RHI) scheme.

Solution: MJS Energy designed and implemented a renewable heating system tailored to the nursing home's needs. The installation included:

- A 199kW ETA wood pellet boiler to heat one section of the nursing home.
- A 130kW ETA wood pellet boiler to heat another section of the nursing home.
- A full turnkey solution that involved constructing a new energy centre and fuel store to support the efficient operation of the biomass system.



Transitioning from Fossil Fuels to a Sustainable Biomass Heating System



Outcome: The newly installed heating system provided the nursing home with:

- Reduced carbon emissions, contributing to environmental sustainability.
- Lower heating costs, thanks to the efficiency of wood pellet boilers and the financial support from the RHI incentive.
- Improved heating reliability, ensuring a comfortable environment for residents and staff.
- Enhanced energy security, reducing dependence on fossil fuels and fluctuating oil prices.

Through MJS Energy's expertise and commitment to renewable energy solutions, the nursing home successfully transitioned to a cost-effective, eco-friendly heating system that will provide long-term benefits.

RHI Accreditation & Financial Incentives



One of the key advantages of installing this biomass system was that it qualified for the Renewable Heat Incentive (RHI), a UK government scheme designed to encourage the adoption of renewable heating technologies. Under this scheme, the estate received substantial financial payments based on the heat generated, offsetting installation costs and creating an additional revenue stream.

