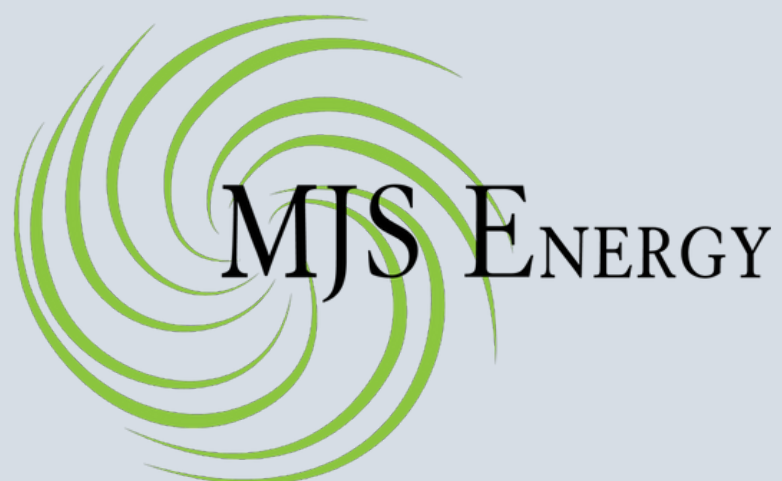




CASE STUDY

Ground Source Heat Pump System for Convent
Redevelopment

CASE STUDY DELIVERED BY



Overview



Following a comprehensive heat loss calculation and bespoke system design by MJS Energy, both air source and ground source heat pump solutions were assessed to find the most efficient and cost-effective outcome for the client.

After detailed analysis, the final decision was made to install a high-performance ground source system, supplied by The Renewable Store, designed to deliver exceptional efficiency and long-term savings.

click the below link to see the video

<https://www.youtube.com/watch?v=rd6eCeJjHws>



System Specification

- 2 × 40kW Heliotherm Ground Source Heat Pumps
- 6,000 metres of horizontal ground array
- 850L Heliotherm Fresh Hot Water System
- 88 brand-new radiators installed throughout the building
- Full system design, specification, and installation by MJS Energy



Project Outcome

This fully renewable system now provides all heating and hot water requirements for the convent, offering consistent comfort and outstanding performance while completely removing the building's reliance on fossil fuels.

The combination of Heliotherm technology and MJS Energy's in-house design expertise ensures the system operates with maximum efficiency and minimal environmental impact—demonstrating how heritage and community buildings can transition seamlessly to low-carbon heating solutions.

