

## CASE STUDY

# MANOR FARM, POULTRY INDUSTRY, IRELAND



## BACKGROUND

Manor Farms, Ireland's premier poultry producer with a rich history dating back to 1775, faced a pressing challenge: optimising energy efficiency while maintaining optimal growth conditions for their chickens.

## CHALLENGES

The traditional heating and cooling methods used by Manor Farms were becoming increasingly expensive and environmentally unsustainable. The company required a solution that could meet the specific needs of their poultry production without disrupting the delicate growing process.

## SOLUTION

GS Renewable partnered with Manor Farms to develop a sustainable and cost-effective energy solution. By leveraging advanced heat pump technology and innovative floor heating systems, GS Renewable was able to create a customised environment that supported optimal chicken growth while significantly reducing energy consumption.

## IMPLEMENTATION

GS Renewable conducted a thorough assessment of Manor Farms' facilities, identifying opportunities for energy efficiency improvements. The team installed a state-of-the-art heat pump system and implemented underfloor heating in the poultry houses. These solutions enabled precise temperature control and reduced heat loss, resulting in substantial energy savings.

## RESULTS

The implementation of GS Renewable's energy solutions yielded remarkable results for Manor Farms. The company achieved an impressive 80% reduction in running costs and a 96% decrease in carbon emissions. These outcomes not only improved Manor Farms' environmental footprint but also enhanced its profitability.

Manor Farms' successful partnership with GS Renewable demonstrates the power of sustainable energy solutions in large-scale industrial settings. By adopting innovative technologies and expert guidance, businesses can achieve significant energy savings, reduce their environmental impact, and improve their overall operational efficiency.

PLANT ROOM DESIGN: GS RENEWABLE  
ASSEMBLE: GS RENEWABLE PROJECT  
MANAGEMENT: GS RENEWABLE PLANT ROOM  
DELIVERY (TO SITE): ALLEN HAULAGE PLANT ROOM  
COMMISSIONING: GS RENEWABLE  
EQUIPMENT SUPPLIED BY: VIESSMANN, REFRA, WILO

## AT A GLANCE

### Challenges

- Heating and Cooling cycle required to match poultry production cycle.
- No disruptions to growing process.
- Operational cost was increasing annually.

### Results

- Operating Cost Reduction: 80% / Annum.
- Co2 Reduction: 96%.



“THE SIMPLICITY OF OPERATION IS AMAZING CONSIDERING THE COMPLEXITY OF THE INSTALLATION.” – FACILITIES MANAGER MANOR FARM