

CASE STUDY

RIVERSIDE PARK HOTEL, IRELAND

BACKGROUND

As the hospitality industry faces increasing pressure to reduce costs and minimise its environmental impact, innovative solutions are becoming essential for long-term success. This case study explores how GS Renewable helped a hotel with 100 rooms, a fitness center, and a swimming pool achieve significant operational improvements through the installation of a sustainable heating system.

CHALLENGES

The hotel was grappling with rising energy costs, particularly due to its reliance on oil for heating. This not only threatened profitability but also exposed the business to the volatility of fuel prices. Additionally, the hotel sought to reduce its carbon footprint to align with growing consumer expectations and environmental regulations.

RESULTS

The implementation of GS Renewable's solution yielded remarkable results. The hotel achieved a significant reduction in operating costs, decreasing annual energy expenses by 66% from €85,400 to €29,110. This translated to a substantial cost savings of €56,300 per year. Furthermore, the project had a positive environmental impact. Carbon emissions were reduced by 76%, and primary energy consumption was cut by 75%. These reductions not only contribute to a more sustainable future but also demonstrate the hotel's commitment to environmental stewardship.

CONCLUSION

This case study highlights the potential benefits of investing in sustainable energy solutions for the hospitality industry. By adopting innovative technologies and expert guidance, hotels can significantly reduce operating costs, improve energy efficiency, and enhance their environmental sustainability. This not only strengthens the bottom line but also positions hotels as responsible and forward-thinking businesses.

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: VISSMANN, REFRA, WILO

AT A GLANCE

Challenges

- Rising energy costs
- Growing interest of consumer and expectations on hotel sustainability commitments

Results

- Operating Cost Saving: €56,000 / annum
- Operating Cost Saving (%): 66%
- Carbon Emissions Reduction: 76%
- Primary Energy Consumption Reduction: 75%



"WE ARE THRILLED WITH THE SYSTEM, IT REALLY IS VERY GOOD. IT'S HELPING US TACKLE OUR RELIANCE ON THE VOLATILE PRICING OF FOSSIL FUELS, WHICH WAS MAKING PLANNING THE FUTURE OF THE BUSINESS VERY DIFFICULT. WE'RE DELIGHTED TO BE ONE OF THE FIRST PROJECTS USING THIS KIND OF INNOVATIVE SYSTEM, AND IT'S SAVING US MONEY – IT'S WIN-WIN." – COLM NEVILLE, OWNER OF RIVERSIDE PARK HOTEL