

GS RENEWABLE CASE STUDY



POWERSCOURT
GARDEN PAVILLION,
IRELAND

POWERSCOURT GARDEN PAVILLION

BACKGROUND

- Powerscourt Garden Pavilion, located in the beautiful 1000 acre Powerscourt Estate.
- Powerscourt Gardens on the grounds of Powerscourt Estate, was voted top 3 Garden in the world by National Geographic
- The Pavillion supplies an extensive plant selection, indoor/outdoor plants, bulbs and seeds. A horticulturalist's dream.

PROJECT CHALLENGES

- Space limitation in The Pavilion where their plant selection is stored.
- Existing oil boiler system was old and faulty with increased risk of failure.
- Lost opportunity for additional indoor plant storage.
- Air quality in plant storage area reduced by location of boiler. Dust and smells.

SOLUTION

- GS Renewable was consulted by Powerscourt Garden Pavilion on the approach to take for switching from oil usage to renewables for powering the heating of The Pavilion.
- With the challenges of space limitation, our team recommended our standard modular heat pump plant room to our client.
- This enabled our client to reclaim internal space for the business where the oil boiler had been located as the GS Renewable plant room is located external to the garden centre.



RESULT

- Our client's annual operating cost was €36772 per annum
- We expect our installed modular heat pump plant room to reduce this cost by 76% to €8555, saving €28217 on a yearly basis.
- Monetary figures above are based on today's price (Jul 2022).
- With Service Deck integration as an add-on for monitoring and controls predictive maintenance, the figures will be confirmed in the fullness of time.

PLANT ROOM DESIGN: GS RENEWABLE

ASSEMBLE: GS RENEWABLE

PROJECT MANAGEMENT: GS RENEWABLE X PYROGENIC

PLANT ROOM DELIVERY (TO SITE): ALLEN HAULAGE

PLANT ROOM COMMISSIONING: GS RENEWABLE

EQUIPMENT SUPPLIED BY: VISSMANN, REFRA, WILO

INVEST IN A CLEANER FUTURE.