



Seasons Greetings from all of us at Geo Green Power!

Despite the challenges 2020 has thrown our way, we've managed to keep the doors open throughout providing service and maintenance for existing customers and fitting a large number of renewable energy installations. In May we marked our 10 year anniversary, and have welcomed a number of new members to the team!

As we come to the end of this difficult year, we would like to thank all our customers new and old for their continued support. There will no doubt be challenges ahead, but it feels good to be welcoming a new year. We wish everyone the very best for 2021.

Congratulations!



A huge congratulations to Kitty and James who have recently welcomed their baby boy, Jasper, to the family!

Kitty is now on maternity leave so if Kitty was your main contact in the office, please ask for Emily or Kat who will assist with all queries.

National Homebuilding & Renovation Show!

In our previous newsletter we announced we would be exhibiting at the National Homebuilding & Renovation Show at the NEC Birmingham next year. We have been informed that this will now be taking place in July 2021. Keep an eye out in the coming months for more information about coming along and seeing us!



Renewable heat for Alice Springs golf club renovation

In 2017 Morgan's of Usk purchased the once famous Alice Springs Golf Course in Usk, Monmouthshire. David Morgan's vision was to turn the site, that had been sadly closed since 2015, into sustainable holiday apartments to increase visitors to the area and support the local community.

David Morgan's long standing plan was to heat the 18 apartments using renewable heat and he called on Geo Green Power's expertise to help him deliver the solution. After visiting the site and discussing the project in detail, Geo Green Power proposed a 180kW district heating system powered by three ground source heat pumps.

David explained: "Our decision to go ahead with the ground source heat pump system was based on the need to plan for the future. We had already made the decision to invest in renewable energy with heating and solar PV systems in other areas of our operations so installing a traditional fossil fuel system just wasn't an option.

"I believe the economics of these systems will only get better. The cost of fuel will rise, while we will continue to heat the property in a sustainable way."

The heat pump project tee'd off in September 2019 whilst other building works were taking place on site. Over 8000m of collector pipe laid during one of the wettest Autumns on record! During February and March the internal plumbing was completed along with the heat pumps and storage tanks.

Once operational the district heating system will qualify for the Renewable Heat Incentive. Over the next 20 years this £130,000 investment will return over five times its cost in savings and income.





Meet the Team!



ELIZABETH GILL

Elizabeth joined us in August to assist in the office on a part-time basis, mainly answering calls and forwarding lead information. She is looking forward to working at Geo Green Power and learning more about renewable energy. Outside of work Elizabeth likes spending time with her husband in Norfolk where they enjoy visiting lovely cafés for coffee and cake and walking to help with the effects of said cake.



MATT BARNEY

Matt got to know Geo Green Power as a customer while project managing large scale solar and ground source heat installations for his former employer. Matt has a background in project management and business development. He supported BeadaMoss* (a climate change mitigation business) through a period of rapid growth. Matt joins Geo Green Power in a business development capacity, working closely with our R&D teams.



CHARLOTTE FRISBY

Charlotte has recently joined Geo Green Power as part of the marketing and operations team. Charlotte's background is in marketing and event planning for a luxury automotive brand. Charlotte is looking forward to taking on a new challenge and learning all about renewable energy. In her free time you can find Charlotte with her two dogs!



SAM ANDERSON

Before Sam joined Geo Green Power in September, he worked as a domestic electrician and achieved a Diploma in Architecture from the University of Lincoln. Sam is looking forward to learning about how renewable energy can be utilised best. When Sam's not working he's building motorcycles and playing squash.



Solar powered expansion for GSM Graphic Arts, North Yorkshire

Specialist printers, label and fascia manufacturers, GSM Graphic Arts, have been zero landfill for over a decade and only use renewable energy through-out their operation. When they saw their customer demand increase and the need to invest heavily in new technology and machinery, we were delighted to support their further expansion and commitment to renewable energy and sustainability.

GSM's main criteria for selecting new machinery is energy efficiency. In early 2020 a decision was made to upgrade the print dryers, a change that would reduce overall consumption, but increase peak demand. With peak demand now above the capacity of their current renewable energy supply, the project also needed to deliver increased energy capacity.

The company, who specialise in the design, manufacture and assembly of bespoke sheet metal, now have a 55kW roof-mounted system delivering 43,000kWh of electricity and saving 13 tonnes of CO2 every year.

Paul Wright of GSM commented, "Having spoken with several providers and visited 'happy users' we selected Geo Green Power on the basis of recommendation, the effectiveness of the existing systems we reviewed, customer feedback and the professionalism exhibited by James and the team.

"Our project is fairly unusual in that we are using the system to manage peak demand and increase capacity; in addition to generating purely for environmental and ROI reasons."

Alternative options, including on site diesel generators and sub-stations, were proposed but neither fitted with GSM's environmental ethos.

In addition to the solar PV system, Geo Green Power will also install a battery storage system and an EV charger. GSM are expecting to see a potential saving of around 20% on their energy bills, which could increase once they have optimised the battery storage system.

If the performance is as expected, GSM intend to roll out the system across their other factories.

Award win for GeoPura!

Congratulations to the team at GeoPura who proudly accepted the Solar & Storage Live EV Infrastructure Project of the Year Award!



The team completed another world first in 2020 by providing hydrogen powered off grid energy for the construction sector.

Follow their story at:



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