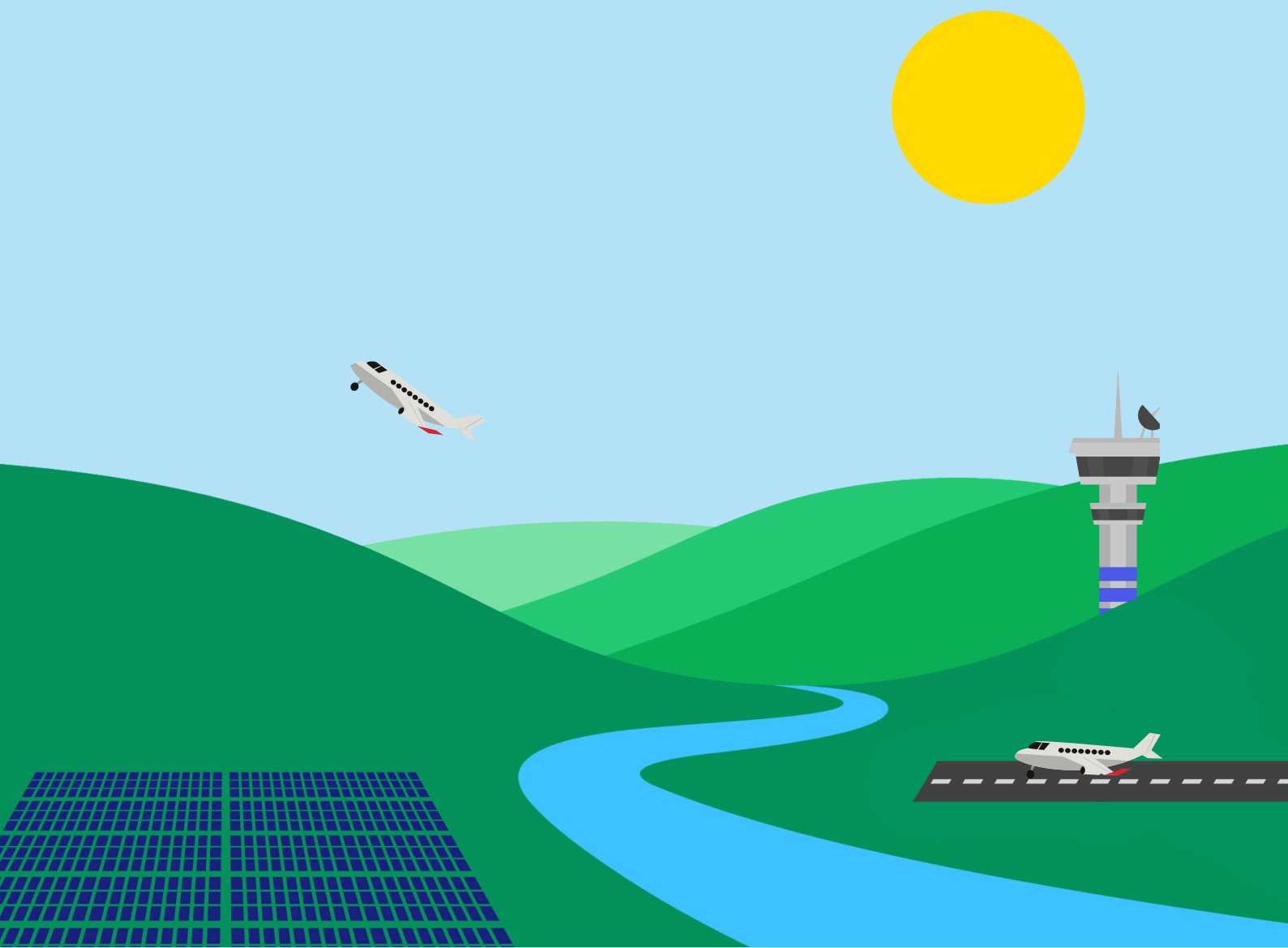




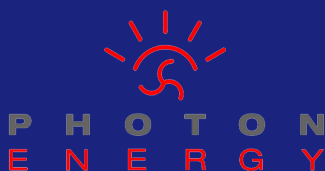
Case Study

Southend Airport Business Park



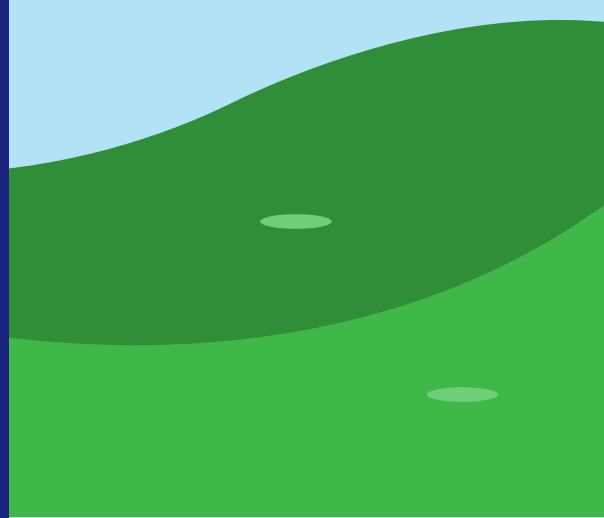
Summary

- **Location:** Airport Business Park Southend, Cherry Orchard Way, Rochford, Essex, SS4 1YH
- **Capacity:** 500 kWp
- **Type:** Commercial Solar
- **Developer:** Readie Construction Ltd
- **Owner:** Generic Case Study Ltd
- **Panel type:** Trina 290 Wp Mono PV panels
- **Completion date:** 14.04.2020



Photon Energy is a successful company headquartered in Reading, England, specialising in the design, supply, installation and maintenance of solar PV systems and battery storage systems.

The company was established in 2006 by Lucy Aitchison, Jonathan Bates, Michael Holmes and Rolf Oldach, all specialists in renewable energy, who wanted to get more hands-on with installing solar PV systems for businesses, residential properties, public sector and agricultural buildings.



Overview

The PV system has a total installed capacity of 500kWp and is expected to generate around 467,000 kWh of energy per annum. The PV system is expected to help the business park achieve a BREEAM very good environmental assessment rating and save 98 tonnes of CO₂ emissions each year.

The £150m project forms part of the delivery of a new business park to support the continued development of Southend, building high quality space and infrastructure for a collaborative ecosystem that acts as a catalyst for future growth.



Project Summary

Abu Luswata, Senior Engineer at Photon Energy said:

“Despite disruptions during the early COVID19 pandemic, we’re delighted to have delivered this project on time and to the highest standards. Photon Energy has the experience and capacity to design and deliver large PV sized projects. While fully complying with strict Health & Safety guidelines, we can deliver projects timely for our clients, like Readie Construction, with a reputation of pivoting on a quick turnaround for commercial & industrial projects”.

Danny Griffiths, Site Supervisor at Photon Energy said:

“This was a challenging project due to tough winter conditions, however, it was a great opportunity to lead and complete such a big project with the site team. Readie Construction were great to work alongside and were willing to help at every opportunity. Another great project.”

Darren Swainston, Project Manager at Readie Construction said:

“Regardless of the winter conditions, Photon Energy’s site team remained professional throughout and continued to complete the project on time. We are delighted with the outcome of utilizing as much solar PV as possible on this project.”

Outcomes

Apart from complying with local planning requirements, the 500 kWp PV project installed maximised the available roof space on the commercial warehouse. This was a demonstration by the developer of their commitment to reduce on their future carbon emissions.



This project also offers tenants of commercial warehouse space to share a building that partly runs on PV energy.

Local Benefit

Photon Energy took the initiative to hire some temporary local labour to assist our team during the installation of the PV panels. This decision not only helped us complete the project efficiently, but also had a positive impact on the community.

By providing hands-on experience with solar panel installation, we were able to raise awareness about the benefits of solar energy and the potential for domestic solar PV jobs. Our commitment to sustainability extends beyond just completing the project, but also to creating a lasting impact on the community.

Community Benefit

This is a great example for the local community and businesses how green and sustainable energy can be integrated on new build projects like commercial warehouses.

Located near the Southend Airport, the solar PV panels are prominently visible to arriving and departing air passengers, raising awareness of the benefits of alternative energy sources that reduce carbon emissions.

This project is a testament to the potential of green energy to revolutionise the way we power our buildings and facilities. It is a step towards a more sustainable future, and it is inspiring to see companies taking the initiative to lead the way in this crucial endeavour.

The impact of this project on the environment is significant, and it is a reminder that small changes can make a big difference in the fight against climate change.



Learn more about what's happening at Photon Energy at www.photonenergy.co.uk



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