

TY'N Y WAUN SOLAR

POWERING BRIDGEND TOWARDS NET ZERO



BridgendEnergyHub.co.uk



OUR VISION

CENIN is delighted to share its plans to develop Ty'n y Waun Solar, an innovative scheme that will bring a wide-range of benefits to Heol-y-Cyw and the surrounding area.

The solar farm is a cornerstone of CENIN's proposed Bridgend Energy Hub, which will produce renewable energy for use in the local area, in addition to the development of a sustainable transport hub and employment area near Junction 36 of the M4 motorway.

As society comes to terms with the immense challenges that both energy security and climate change brings, the need for innovative, integrated projects that deliver vital local economic and environmental benefits has never been greater, ensuring Bridgend can economically meet its obligation to be Net Zero by 2030.

Renewable energy generation is now the most cost-effective way of producing energy and will become the main source of energy for households, industry, and transport. We are already in the new, global industrial era of the electric economy and this project will help ensure Bridgend will be at the forefront of this.

We are committed to engaging with our local community and would invite any questions to be submitted via e-mail or using the 'Contact Us' section on the website.

Become a part of building a sustainable future in Bridgend, powered by renewable, locally produced solar energy, providing sustainable local power.



Martyn Popham
Director & Project Lead

CENIN

CENIN

CENIN is a Bridgend-based, renewable integrated infrastructure company committed to powering a brighter future.

We are committed to sustainable development as a trusted environmental partner creating valued, renewable-sourced, efficient infrastructure solutions delivered with passion, expertise, teamwork and a relentless focus on wellbeing for the next generation.

Find out more about us at www.cenin.co.uk



TY'N Y WAUN SOLAR



The solar farm will produce 35-40MW of renewable energy, enough power for over 12,500 homes.



Locally produced solar energy makes a meaningful contribution to our energy security.

Our unique biodiversity management plan will help enhance woodland areas and improve habitats, such as the hedgerows on site.



The land was previously used as opencast mining, this reclaimed land offers a fantastic opportunity to use land which has had a history of releasing high carbon fossil fuels and transforming it to low carbon local renewable energy.



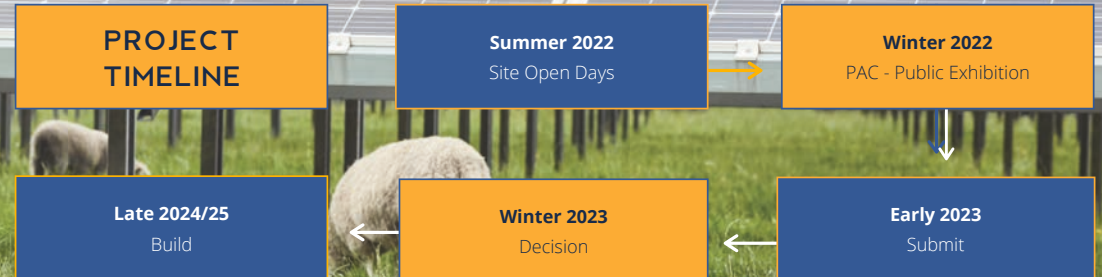
Energy generation and agriculture will complement each other on the site with sheep able to graze and shelter under the panels, and the land continuing to be farmed by the local community.



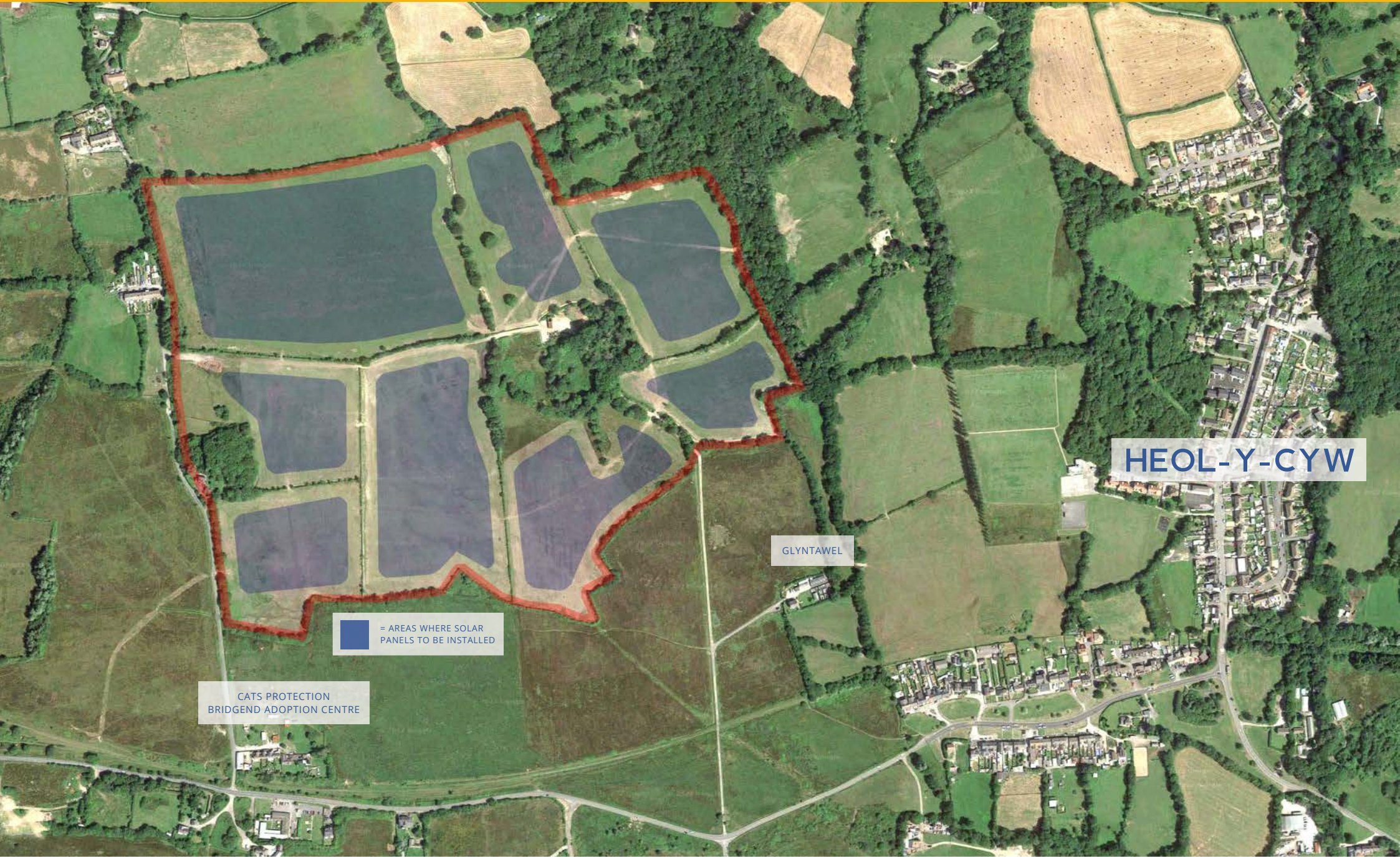
Projects like this will play a key role in helping Bridgend reach its goal of Net Zero by 2030.

Ty'n y Waun Solar will produce 35-40MW of electricity, meaning it's classified as a Development of National Significance (DNS). Decisions regarding such schemes are taken by Welsh Government.

Preparatory work has already commenced at the site including a number of surveys and studies e.g. landscape, habitat, ornithology.




TY'N Y WAUN SOLAR



HEOL-Y-CYW

GLYNTAWEL

 = AREAS WHERE SOLAR PANELS TO BE INSTALLED

CATS PROTECTION
BRIGEND ADOPTION CENTRE

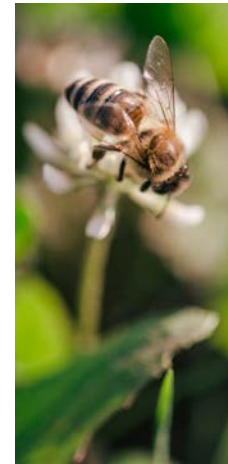
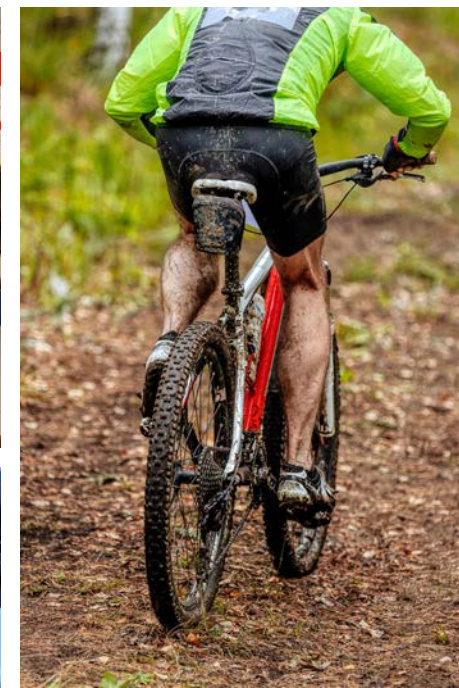
CENIN'S COMMITMENT TO THE COMMUNITY

First and foremost, our vision is to help make Bridgend Net Zero by 2030 by producing local energy that will be used by the people of Bridgend for their heat, power and mobility needs. Ty'n y Waun Solar is an integral part in achieving this objective and we have begun consultations with local community councils, as well as remaining in continual engagement with Bridgend County Borough Council.

We also aim to provide further benefits to the local communities in which we operate. We do this in six key ways...

1. Providing local economic benefit
2. Providing an education programme by giving opportunities for schools and community groups to visit our sites and see how we help deliver the electric economy
3. Improving access to the countryside for wellbeing, exercise and active travel
4. Protecting native species of bird, plant and tree, through carefully researched and managed biodiversity plans
5. Supporting local clubs and associations in and around the Bridgend County Borough
6. Building Projects that help create the 'Wales we want' for our future generations

You can find more about our commitment to local communities by visiting our website or by contacting a member of the CENIN team.



FAQs

What are the benefits of having a Solar PV farm?

Solar power is a low emission form of energy production, and the environmental impact of installation is negligible when compared to the impact of more conventional energy sources. Ty'n y Waun Solar will supply electricity to the local distribution network and produce 35-40MW of electricity every year, that's the equivalent total power required for over 12,500 homes.

Where will the solar farm be located?

Ty'n y Waun Solar will be located on land between Heol y Cyw and Bryncethin. You can see exactly where this is on the site map on page 4.

Will the project really cut carbon emissions?

This solar site will reduce the carbon emissions created in supplying Bridgend's energy needs by around 15,000 tons of carbon every year, for the foreseeable future.

Who is behind the Heol-y-Cyw Solar PV farm?

Ty'n Y Waun Solar will be delivered by Bridgend Based company CENIN. Visit www.cenin.co.uk to see some examples of our previous, ground-breaking work across Wales.

What is Net Zero?

Net Zero refers to a situation where the amount of greenhouse gases going into the atmosphere are balanced by the amount being removed. Bridgend County Borough Council is committed to achieving Net Zero by 2030.

Do solar panels produce noise?

No - solar panels contain no moving parts and thus produce no noise once installed.

How will the solar farm benefit the local community?

Locally produced energy will feed directly into the local energy network, providing a stable, cost-effective source of power for Bridgend and the surrounding area.

Will there be any activity at night?

The site will be in complete darkness at night, with no security lighting.

For more information about the project or if you wish to submit a question to us, please visit bridgendenergyhub.co.uk

CENIN



Martyn Popham
Director



Neil Tapper
Director - Engineering



Katherine Day
Financial Controller



Jess King
Projects Coordinator



Reuben Hamon
Project Designer



Paul Kelliher
Legal Contracts &
Administration Manager



Joanne Goddard
Community Liaison &
Education Lead

Planning Partner
rpsgroup.com



Communications Partner
redefined.cymru



Land Agents
Peter Morris & Jeremy Liley
Farmtrack.co.uk



SOLAR

Ty'n y Waun Solar will supply the total power for 12,500 homes sustainably, whilst managing significant areas of natural habitats, protecting local woodland and enhancing the natural environment.

WIND

Mynydd y Gaer wind farm will supply the total power needs for 45,000 homes sustainably. It will create improved access for walkers and cyclists, meaning they are able to use and utilise the common for both leisure and active travel to our proposed Transport Hub at Junction 36.

BRIDGEND ENERGY HUB

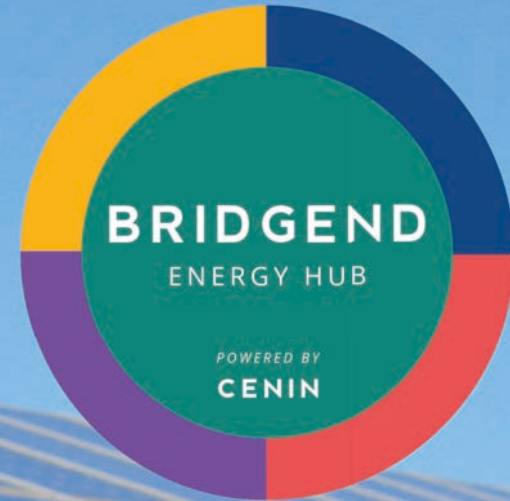
POWERED BY
CENIN

TRANSPORT

The Junction 36 Transport Hub will be a travel centre for future transport needs, by allowing the ability to change your mode of transport in one strategic location by providing bus, car parking and charging, with the ability to car share or move to public transport. There will be sustainable multi-fuel charging facilities on site for all vehicle types (including EV rapid charging and hydrogen refuelling).

EMPLOYMENT

Our Tir Isaf Special Employment Area will be zoned for a purpose-built facility adjacent to the M4, supplied by a significant source of green energy, which will create high value sustainable employment for local people.



CENIN

bridgendenergyhub.co.uk 

nextgeneration@bridgendenergyhub.co.uk 

[@CENINGreenPower](https://www.instagram.com/CENINGreenPower) 

© CENIN. All rights reserved. Version 1 produced May 2022.
All information provided correct as of May 2022.