



# Innovation in High Value Manufacturing

Promote innovation and commercialisation of technology in the manufacturing industry, building on the existing strength of the sector within our region.

Focus - provide low carbon alternatives to current technologies used in manufacturing.



Uchelgais  
Gogledd Cymru  
Ambition  
North Wales

## Objectives

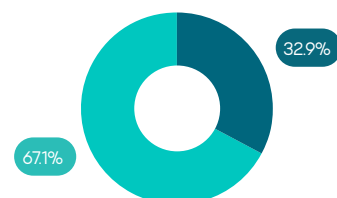
Create up to 180 jobs

Generate up to £114 million net additional GVA

Work with up to 55 partners to help develop low carbon technologies or waste reduction

Upskill up to 100 people or businesses in the targeted technologies

## Investment Target



Total

£39.4m

Growth Deal  
£13m

Public Sector  
£26.4m

## The projects

1

### Centre for Environmental Biotechnology

Lead Sponsor: Bangor University

Exploring the use of biological processes as low carbon alternatives to products and industrial manufacturing processes.

2

### Enterprise Engineering and Optics Centre

Lead Sponsor: Glyndŵr University

Delivering state-of-the-art facilities to explore optics, photonics and composite materials as a lightweight material alternative, reducing carbon within the sector.



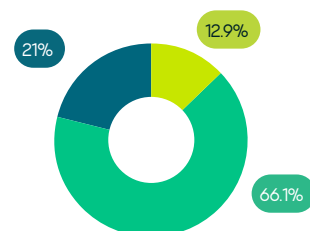
Uchelgais  
Gogledd Cymru  
Ambition  
North Wales

# Low Carbon Energy

Unlocking the benefits of developing low carbon energy projects within the region, positioning North Wales as a leading location for the low carbon energy sector.

Focus – promoting innovation and building on the region's strengths in the low carbon energy sector.

## Investment Target



Total

£666.5m

Growth Deal  
£86.4m

Private Sector  
£441.7m

Public Sector  
£138.4m

## Objectives

Create up to **980 jobs**

Increase net additional GVA up to **£530 million**

Generate at least **314MW** of electricity from low carbon energy in the region

Enabling carbon savings of at least **2,723,000 tonnes**

## The projects

**1 Low Carbon Energy Centre of Excellence (Egni)**  
Lead Sponsor: Bangor University  
Facilities to enhance the region's capabilities for low carbon energy research and innovation.

**2 Morlais**  
Lead Sponsor: Menter Môn  
Connecting Morlais with the electricity grid system, enabling developers of tidal stream technology to deploy their devices in the zone.

**3 Traswfynydd**  
Lead Sponsor: Cwmni Egin, Welsh Government  
Deploying Small Modular Reactor and Advanced Modular Reactor (SMR/AMR) to generate low carbon energy.

**Smart Local Energy**  
Lead Sponsor: North Wales Economic Ambition Board  
Enabling clean energy and decarbonisation solutions within our local communities.

**Transport Decarbonisation**  
Lead Sponsor: North Wales Economic Ambition Board  
Supporting the supply of green hydrogen from low carbon energy sources to decarbonise regional transport networks.



Uchelgais  
Gogledd Cymru  
Ambition  
North Wales

# Agri-food and Tourism

Promote and support employment and training in the Agri-food and Tourism sectors, building on world-leading skills and expertise already established within the region.

Focus - maximise sustainable opportunities from the region's environment and landscape.

## Objectives

Create up to **380 jobs**

Increase net additional GVA of up to **£281m**

Educate over **400 businesses** on decarbonisation, diversification and sustainable business models

Upskill up to **2,500 people/businesses**

Provide up to **6,000 m<sup>2</sup> of floorspace** to help support business growth within the sector

## Investment Target



Total

**£41.4m**

Growth Deal  
**£24.5m**

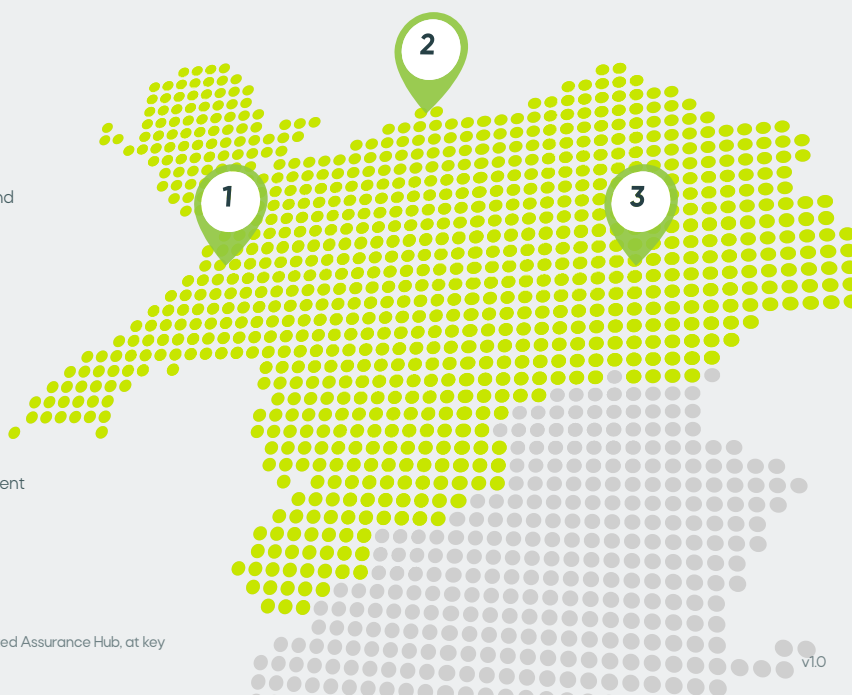
Private Sector  
**£4.5m**

Public Sector  
**£12.4m**



## The projects

- 1 Glynllifon Rural Economy Hub**  
Lead Sponsor: Grŵp Llandrillo Menai  
A distinctive, world class rural economy hub offering food-grade facilities and knowledge transfer services to enhance the food and drink sector.
- 2 Tourism Talent Network**  
Lead Sponsor: Grŵp Llandrillo Menai  
Future-proof tourism and hospitality skills provision and increase the commercial benefits from one of the best established and fastest growing sectors in the region.
- 3 Llysfas Net Zero Farm**  
Lead Sponsor: Coleg Cambria  
Leading practical training in cutting-edge technologies and land management approaches to reduce emissions and enhance biodiversity.







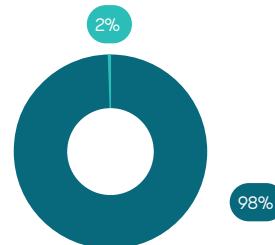
Uchelgaïs  
Gogledd Cymru  
Ambition  
North Wales

# Digital Connectivity

Enhance our region's capability to develop technologies for the future, ensuring that we can meet the increasing demand for digital and benefit from fast, high-quality connectivity.

Focus - Addressing key connectivity challenges within the region.

## Investment Target



Total

£37.4m

Growth Deal  
£37m

Private Sector  
£0.4m

## Objectives

Create up to 380 jobs

Increase GVA by up to £158 million

Provide high speed connectivity at key sites and across transport networks

Future proof networks, including 5G within the region

## The projects



### Digital Signal Processing Centre

Lead Sponsor: Bangor University

Research how digital information is processed efficiently between devices and people.



### Connected Campuses

Lead Sponsor: North Wales Economic Ambition Board

Establishing network coverage at a selection of sites, providing new and existing businesses access to valuable connectivity options.



### Connected Corridors

Lead Sponsor: North Wales Economic Ambition Board

Enhance the reliability and quality of mobile services on the main roads and rail routes.



### Full Fibre at Key Sites

Lead Sponsor: North Wales Economic Ambition Board

Enhance broadband connectivity for key locations in the region.



### Last few %

Lead Sponsor: North Wales Economic Ambition Board

Providing 'superfast' (30mbps) broadband to poorly connected communities across North Wales.





Uchelgaïs  
Gogledd Cymru  
Ambition  
North Wales

# Land and Property

Address land and property challenges within the region through developing residential and employment premises and maximising capacity at key transport links.

Focus – invest in sites for business and residential development.

## Objectives

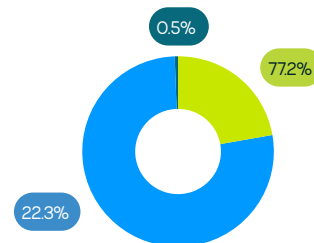
Create up to **2,280 jobs**

Increase GVA by up to **£1.29 billion**

To deliver 30ha and 20,000 sqm of **land and premises for employment**

Deliver to over **1,000 serviced residential developments plots**

## Investment Target



Total

**£355.4m**

Growth Deal  
**£79.1m**

Private Sector  
**£274.4m**

Public Sector  
**£1.9m**

## The projects

- Holyhead Gateway, Anglesey**  
Lead Sponsor: Stena Line  
Enhance the port's capacity through land reclamation within the harbour.
- Parc Bryn Cegin, Gwynedd**  
Lead Sponsors: North Wales Economic Ambition Board and the Welsh Government  
Developing land for new build low carbon employment premises.
- Bodelwyddan Key Strategic Site, Denbighshire**  
Lead Sponsor: North Wales Economic Ambition Board  
Providing primary services, such as power, telecoms and water for the development of residential and employment premises.
- Former North Wales Hospital, Denbigh**  
Lead Sponsor: Jones Bros Civil Engineering UK  
Demolish, decontaminate and clean the former hospital so that it's suitable for residential development and employment premises of listed former hospital.
- Western Gateway, Wrexham**  
Lead Sponsor: North Wales Economic Ambition Board  
Providing primary services, such as power, telecoms and water for the development of employment premises.
- Warren Hall, Flintshire**  
Lead Sponsors: North Wales Economic Ambition Board and the Welsh Government  
Providing primary services such as power, telecoms and water and leveling the ground so that it's suitable for employment and business premises.

