



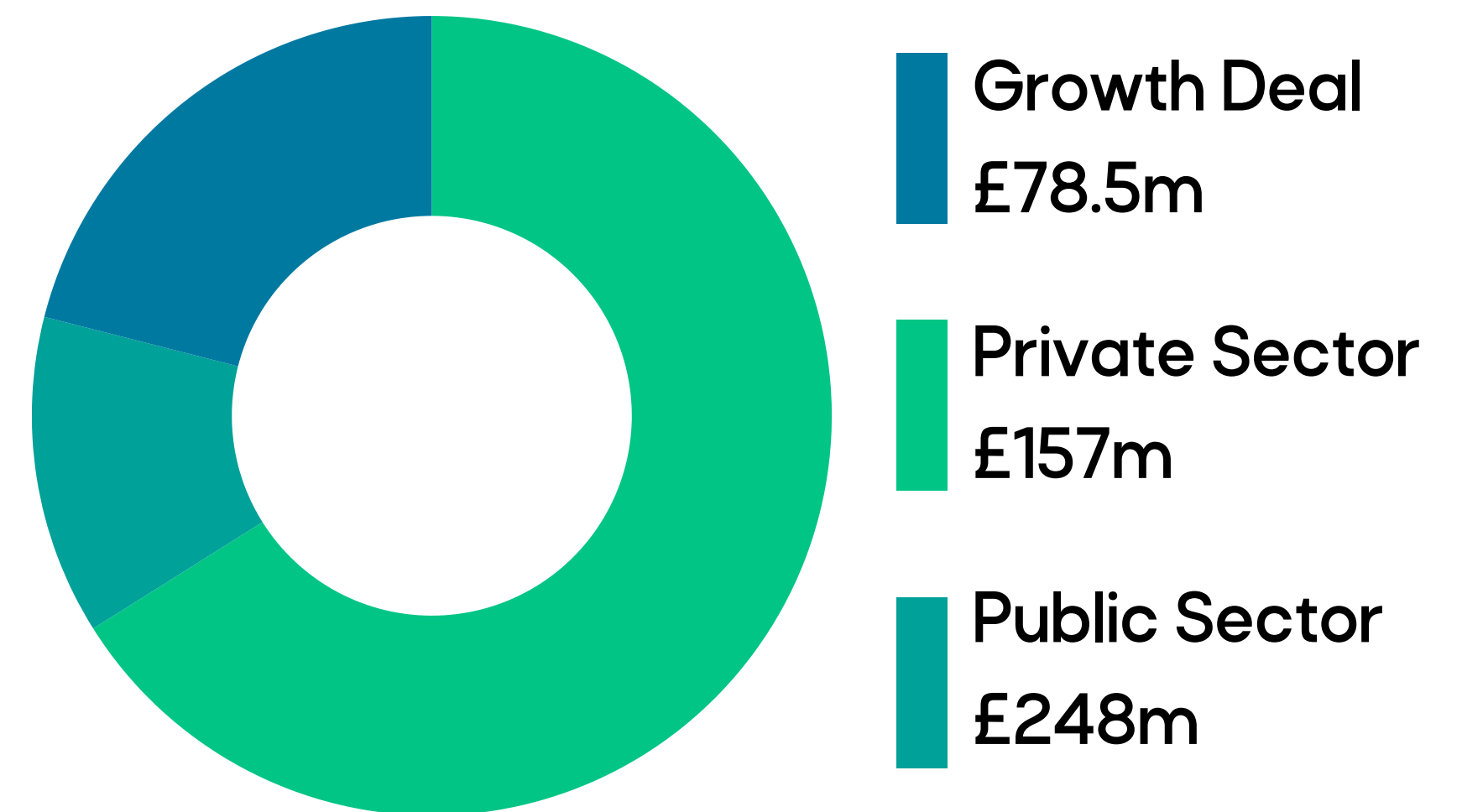
# Low Carbon Energy

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.

## Objectives

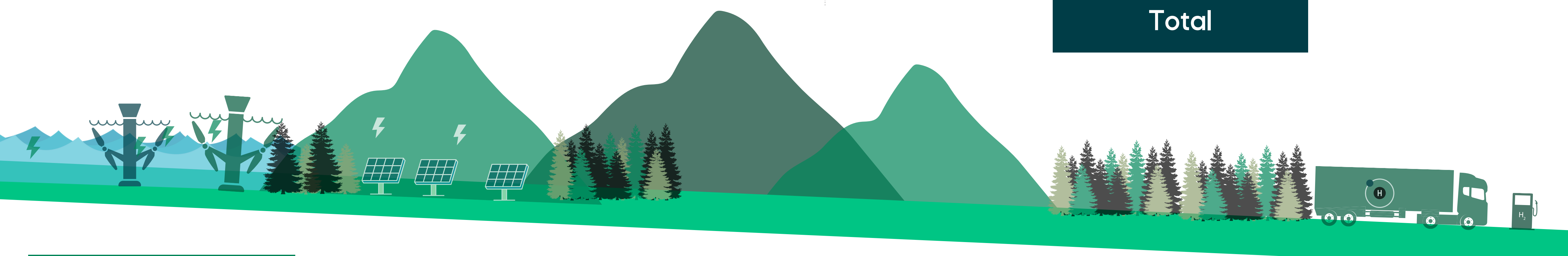
- Create up to **1035 jobs**
- Generate up to **£335m** additional net GVA
- Generate at least **314MW** of electricity from low carbon energy in the region
- Enabling carbon savings of at least **2,723,000 tonnes**

## Investment target



# £483.5m

Total



## The Projects

### 1. Cydnerth (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.

### 2. Hydrogen Hub

Lead Sponsor: Ambition North Wales

Supporting deployment of green hydrogen from low carbon energy sources to decarbonise regional transport network

### 3. 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.

### 4. Smart Local Energy

Lead Sponsor: Ambition North Wales

Enabling renewable energy and decarbonisation solutions within our local communities.

### 5. Trawsfynydd

Lead Sponsor: Cwmni Eginio (Welsh Government)

Deploying Small Modular Reactor or Advanced Modular Reactor (SMR/ AMR) to generate low carbon energy.

### 6. Holyhead Hydrogen Hub

Lead Sponsor: Menter Môn

This project will establish a green hydrogen production and distribution facility, at Parc Cybi, Holyhead within the Anglesey Freeport zone, supplying road, maritime and rail transport customers across North Wales.

