



UNLOCKING WALES' GREEN ENERGY POTENTIAL

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Creating new energy pathways across Wales.

Green GEN Cymru is an independent distribution network operator (IDNO), pioneering the UK's largest linear distribution network outside of traditional frameworks, critical for connecting up to 3.3 GW of new generation and demand capacity in Wales.

With close to £1bn worth of investment by 2030. We are advancing our network plans at a pace, utilising innovative technologies that maximize capacity while minimising infrastructure.



THE PROBLEM

Wales' grid is at capacity.

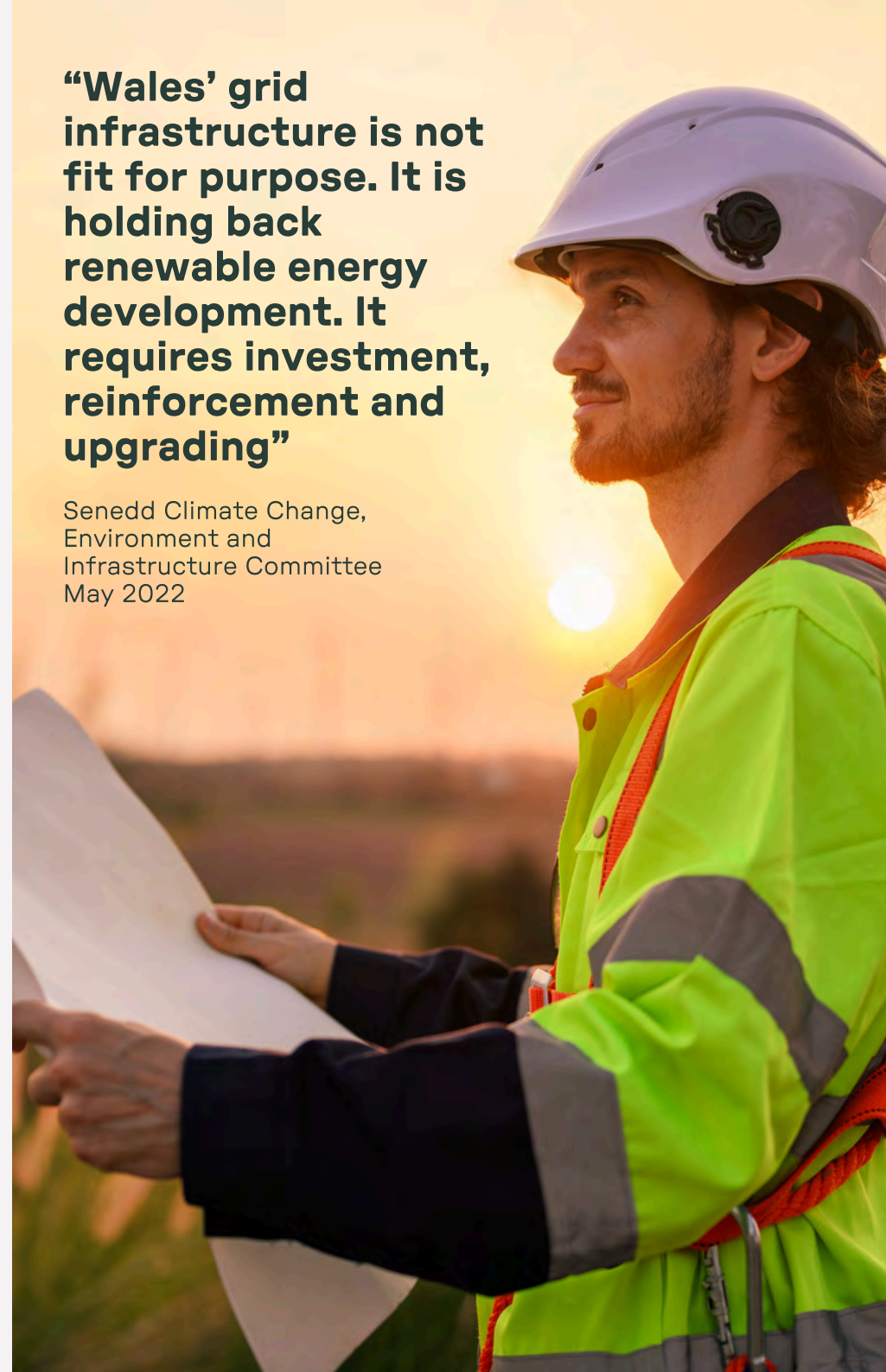
Expanding and establishing new businesses, supporting data centres and the electrification of our heating and transport systems and tackling the climate emergency will require more grid capacity.

These are challenges that we face, ones that need to be tackled urgently and ones that Green GEN Cymru are acting now to address.



“Wales’ grid infrastructure is not fit for purpose. It is holding back renewable energy development. It requires investment, reinforcement and upgrading”

Senedd Climate Change,
Environment and
Infrastructure Committee
May 2022



THE SOLUTION

A smarter, stronger, greener Grid.

With close to £1bn worth of investment Green GEN Cymru will design, build and operate the network needed to unlock Wales green energy potential.

- ✓ 300km of new grid infrastructure
- ✓ Adding close to 3.3 GW to the network
- ✓ Five substations
- ✓ Circa 740 L7 towers
- ✓ Circa 835 wood H poles





TECHNICAL HIGHLIGHTS

132kV infrastructure with 1150 MVA capacity, delivered through a mix of proven and innovative technologies:



L7 lattice
pylons



H wood
pole lines



Underground
cable sections

ACCC CONDUCTOR DEPLOYMENT

We're deploying Aluminium Conductor Composite Core (ACCC) - a cutting-edge, high-capacity, low-sag overhead line conductor.

The ACCC allows our network to provide far greater network capacity (usually associated with 275kV – 400kV systems) without introducing transmission-level towers.

KEY MILESTONES

2023

Project Development Underway

Route selection, environmental assessments, and stakeholder consultation in progress.

July
2024

IDNO License Granted by Ofgem

Feb
2025

£600 million investment announced by Copenhagen Infrastructure Partners.

2025

Open Call for Partnerships

Working with contractors, developers and major users to scope and scale connections



WHY WORK WITH GREEN GEN CYMRU?



Tailored Infrastructure

Designed to meet the needs of Wales' geography, planning policy, and communities



Reliable Technology

Utilising proven, maintainable infrastructure to ensure performance and longevity



Built for Industry

Fast, efficient connections for utility-scale developments and large energy users



Future Focused

Enabling a greener, more resilient Wales—today





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**GET CONNECTED.
BE PART OF THE
SOLUTION.**

Green GEN Cymru is now welcoming expressions of interest from:

- **Renewable developers**
- **Grid-scale battery and storage providers**
- **High-energy commercial and industrial users**
- **Contractors and delivery partners**

Contact us today
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