



Datgloi potensial ein pobl a'n hadnoddau er mwyn sicrhau dyfodol ein cymunedau.

Unlocking the potential of our people and resources to secure the future of our communities

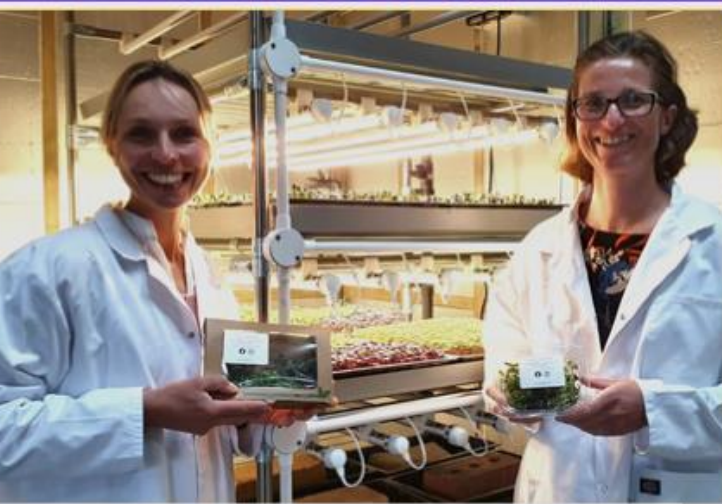




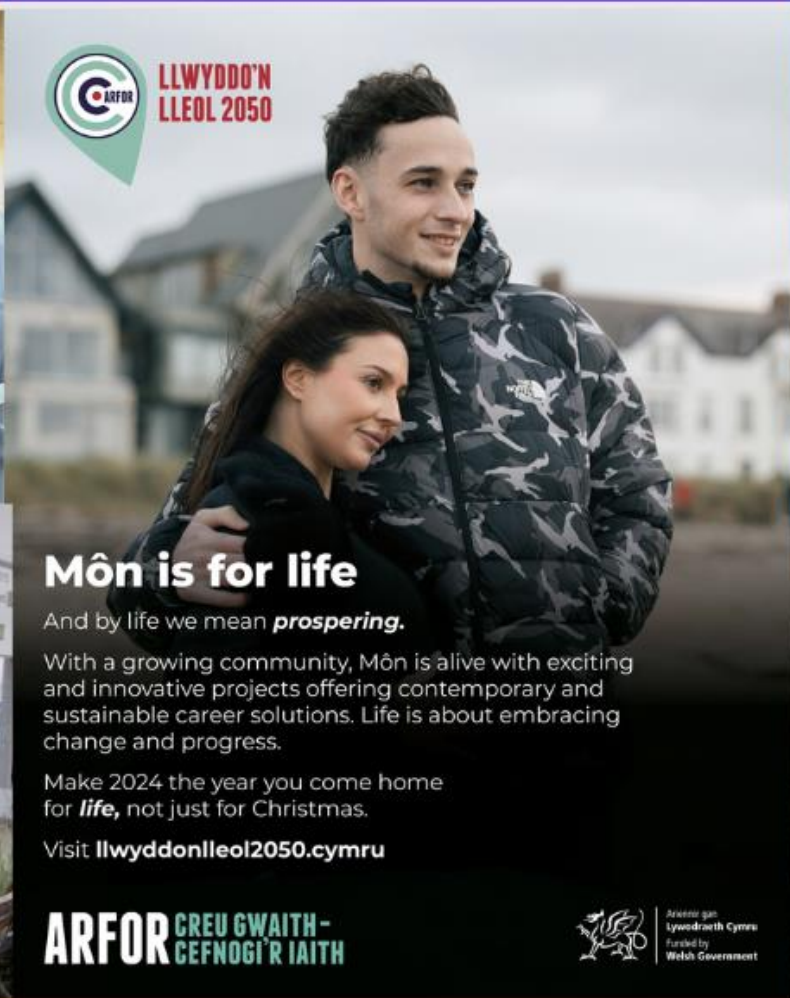


CYMUNEDAU LLEWYRCHUS VIBRANT COMMUNITIES





LLWYDDO'N
LLEOL 2050



Môn is for life

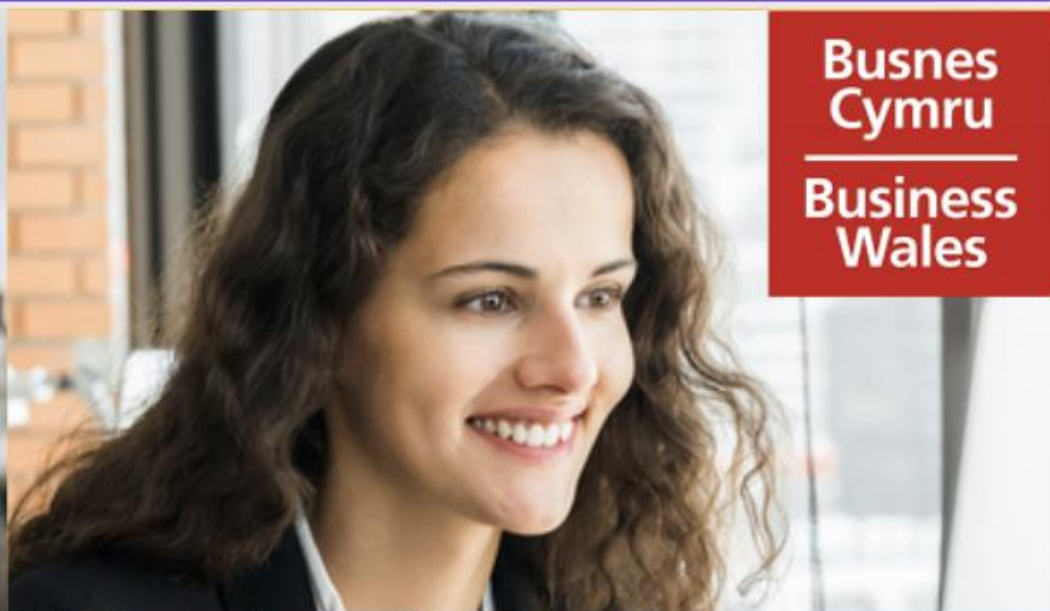
And by life we mean *prospering*.

With a growing community, Môn is alive with exciting and innovative projects offering contemporary and sustainable career solutions. Life is about embracing change and progress.

Make 2024 the year you come home for *life*, not just for Christmas.

Visit llwyddonlleol2050.cymru

ARFOR CREU GWAITH -
CEFNOGI'R IAITH



Busnes
Cymru

Business
Wales



ECONOMI ECONOMY





YNNI ADNEWYDDADWY RENEWABLE ENERGY





Harnessing the power of the tide to generate green energy and regenerate communities





Hydro
centre single-rotor
sea base
diameter rotor
W
Summer 2015



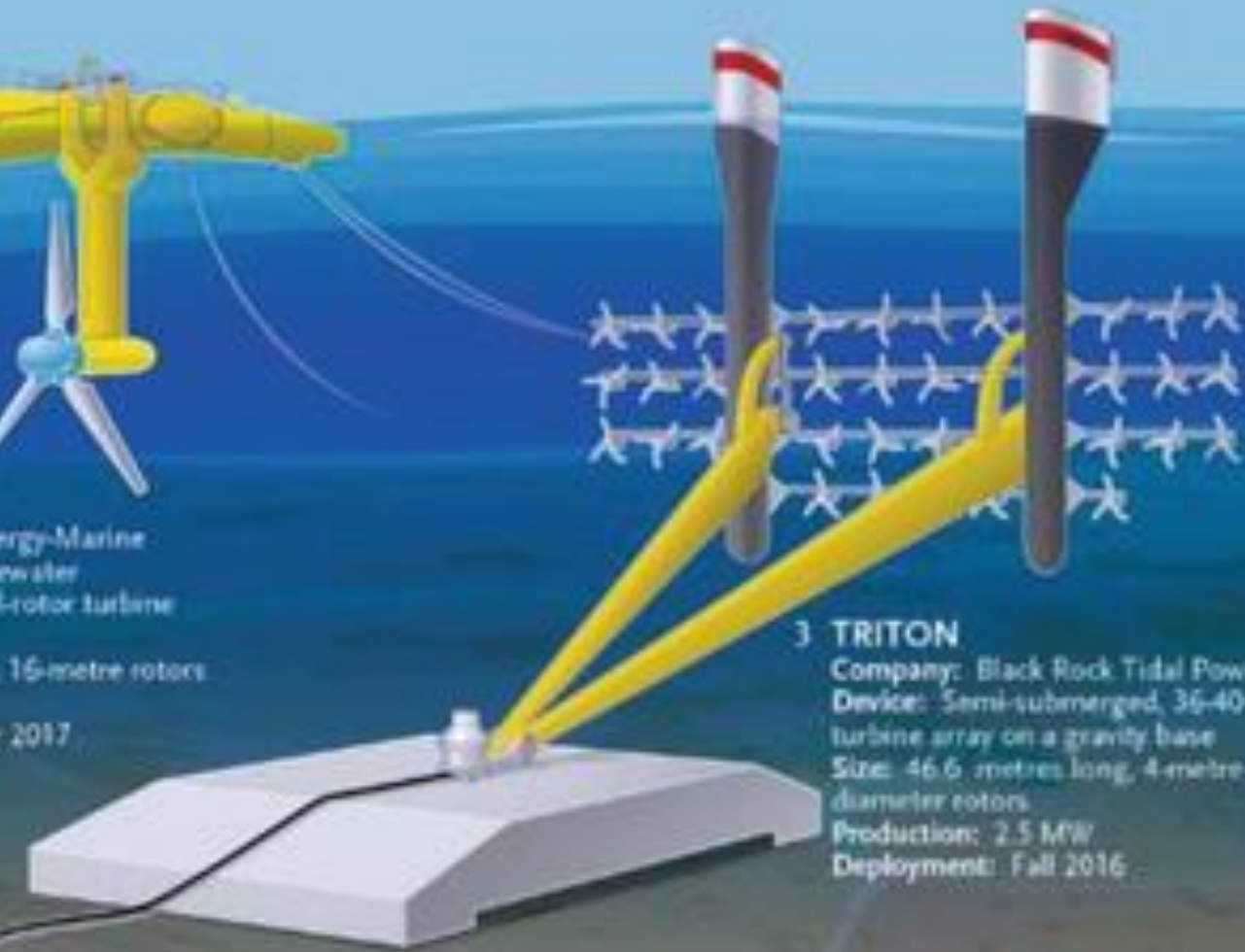
2 SEAGEN-F

Company: Minas Energy-Marine
Current Turbines-Bluewater
Device: Floating dual-rotor turbine
moored by cables
Size: 40 metres long, 16-metre rotors
Production: 2 MW
Deployment: 2016 or 2017



3 TRITON

Company: Black Rock Tidal Power
Device: Semi-submerged, 36-40
turbine array on a gravity base
Size: 46.6 metres long, 4-metre-
diameter rotors
Production: 2.5 MW
Deployment: Fall 2016

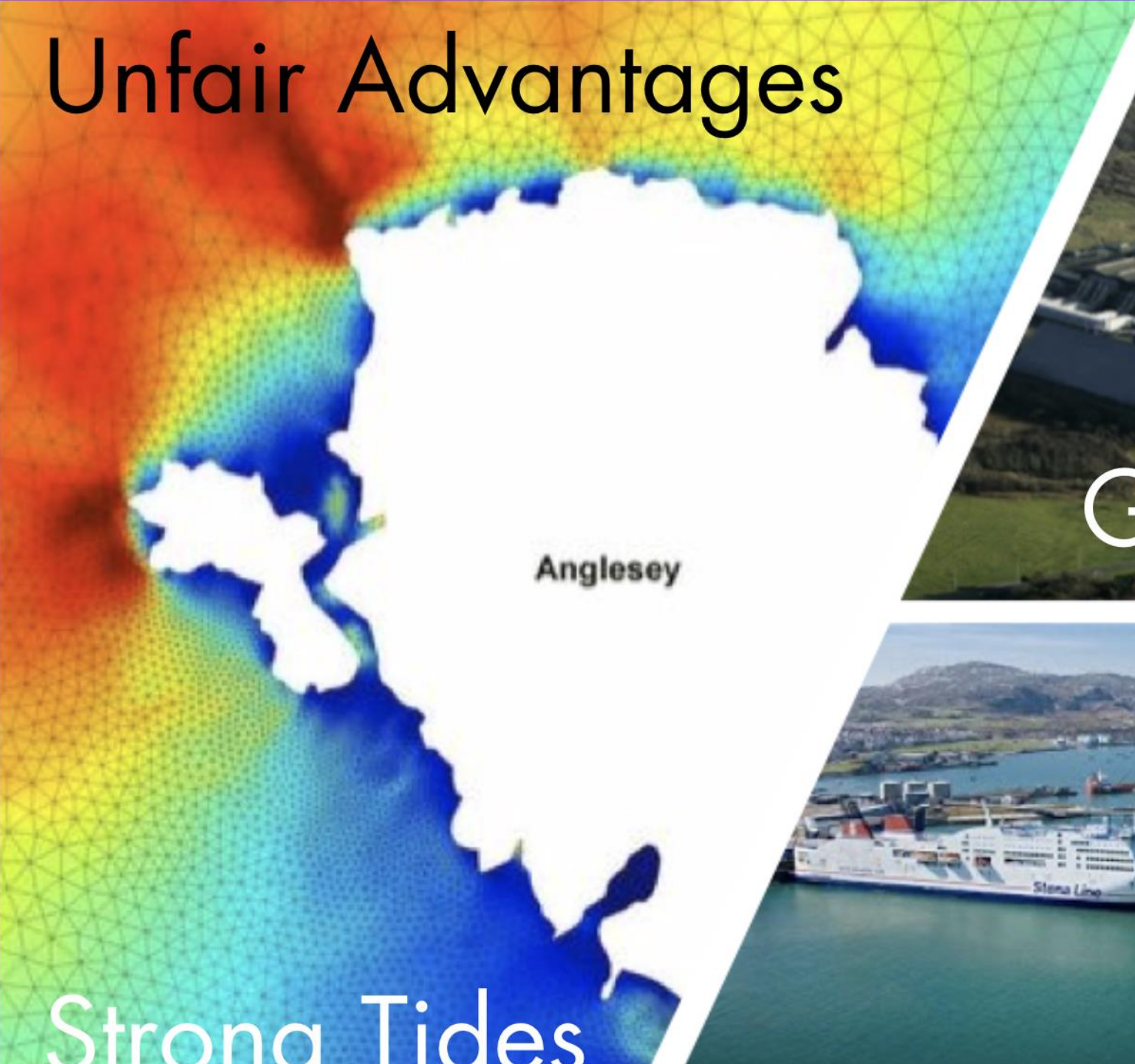


4 ART1500

Company:
Martin-Inv
Device: S
on a subse
Size: 18-m
Production
Deployment



Unfair Advantages



Anglesey

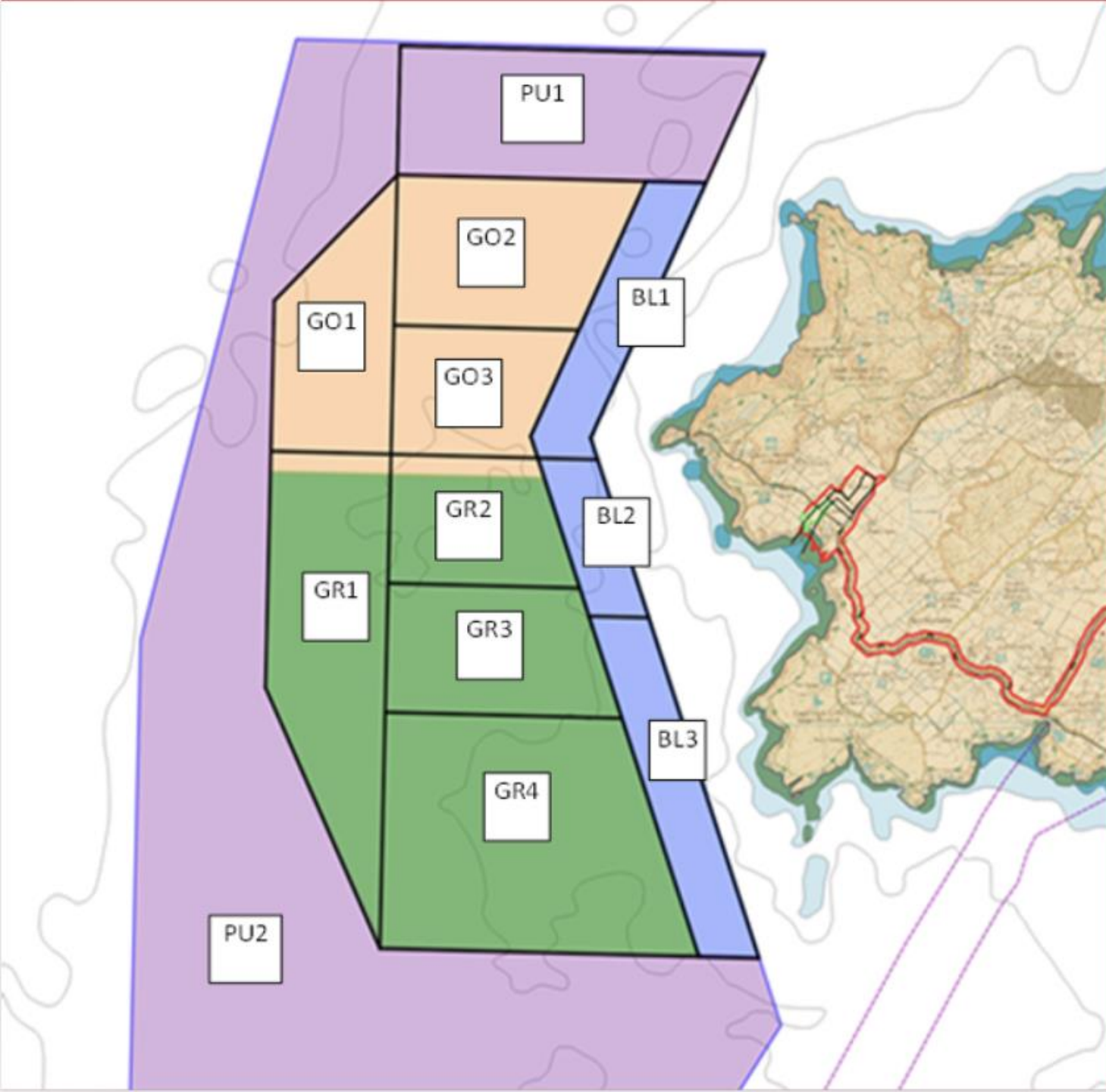
Strong Tides



Grid Infrastructure



Port Infrastructure



What is Morlais?

- 35km² of seabed
- 45 Year Lease
- 240 MW Capacity
- Fully consented
- Grid Connected
- Plug and play facility

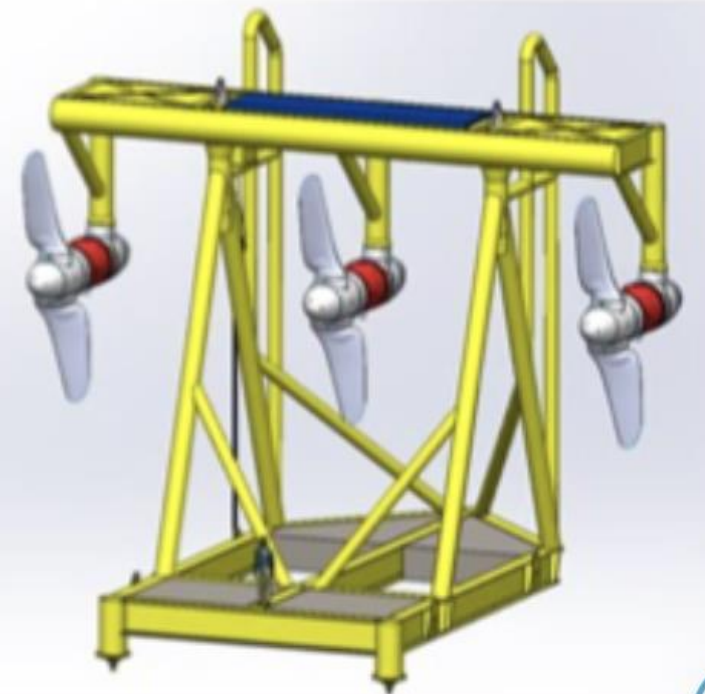
Developers awarded CFD

Deployment years 25/26 - 27/28

Developer	CFD Round	Total Award
Magallanes	AR4 & AR5	9mw (6+3)
Hydrowing	AR5	10MW
Verdant	AR5	4.9MW
QED	AR5	4.5MW
Total		28.4MW

Berth holders without CFD

- Orbital
- Aquantis
- Nova





Skills and Training

- Working with schools across north Wales
- Tidal energy module on Bangor Uni Engineering Course
- Partnership with Grwp Llandrillo Menai



**DAL Y LLANW
DIGWYDDIAD CADWYN GYFLENWI
LLEOL
MENTER MÔN MORLAIS LTD
CATCHING THE TIDE
LOCAL SUPPLY CHAIN EVENT**

Dydd Mawrth 30ain Ebrill 2024
09:30 - 16:00

Tuesday 30th April 2024
09:30 - 16:00

Bydd y digwyddiad cadwyn gyflenwi yn rhoi cyfle unigryw i fusnesau gymryd rhan mewn trafodaethau gyda datblygwyr tyrbinau llanw, gan feithrin cydweithredu ac arloesi o fewn y sector ynni adnewyddadwy sy'n datblygu'n gyflym.

The supply chain event will provide businesses with a unique opportunity to engage in discussions with tidal turbine developers, fostering collaboration and innovation within the rapidly evolving renewable energy sector.

**Isorsaf Morlais,
Ffordd Ynys Lawd,
Caergybi,
LL65 1YL**

**Morlais Substation
South Stack Road,
Holyhead,
LL65 1YL**

Dilynwch y cod QR neu'r linc isod i archebu ei lle

Follow the QR code or link below to book your space



<https://MenterMonMorlaisLtd.eventbrite.com>

<https://MenterMonMorlaisLtd.eventbrite.com>



**SIOE DEITHIOL DAL Y LLANW
CATCHING THE TIDE ROADSHOW**

Llangefni 23.05	Glannau Dyfrdwy Deeside 20.06
Porthmadog 03.06	Wrecsam Wrexham 25.06
Llandudno 06.06	
Llanelwy St Asaph 10.06	



Supply Chain Development

- Support local and regional supply chain
- Links with WG Business Wales programme
- Support local assembly of devices



Marine Characterisation Research Project

- £6 million project
- Safe implementation of tidal stream devices
- Develop monitoring and mitigation plan to safeguard wildlife
- Open data to support global industry



What is the Holyhead Hydrogen Hub?

- £26 million electrolyser project to produce 2000kg of green H₂
- 50/50 project with EDF
- Located in Parc Cybi
- £4.8 allocated by DESNZ (2021)
- £3.8 allocated by ANW

DIOLCH

