

# Welcome

We are consulting on our proposals to build Prosiect Maen Hir, a new solar and energy storage project on land located at the north of Anglesey.

## Why it's needed

There is a growing body of UK and international energy and climate change commitments, law, policy and guidance which highlight the urgent need for new energy generation infrastructure, particularly from renewable sources such as solar. In support of this drive, the UK and Welsh Government are committed to achieving net zero carbon emissions by 2050.

The pathway to net zero requires the decarbonisation of transport, industry, agriculture and homes through electrification. This will see demand for electricity double by 2050.

Prosiect Maen Hir has an anticipated generation capacity of 360 megawatts (MW). It would make a vital contribution towards achieving net zero - annually providing enough clean energy to power over 140,000 homes and avoid around 70,000 tonnes of CO<sub>2</sub>.

## This consultation - 02 October to 15 November 2024

Having carried out an extensive environmental assessments and technical surveys to inform the development of our proposals for the Project we're now inviting you to take part in this consultation to tell us what you think about our work so far.

## We're specifically inviting your feedback on:

- The overall project
- Our indicative site masterplan
- The preferred cable route corridors
- Measures we're proposing to reduce effects
- Community benefits and local initiatives
- Anything else you want to tell us about our work so far

Your views are important to us. We will use your comments to help shape the final plans we submit to the Planning Inspectorate in our application for development consent.

# Croeso

Rydym yn ymgynghori ar ein cynigion i adeiladu Prosiect Maen Hir, prosiect solar a storio ynni newydd ar dir yng ngogledd Ynys Môn.

## Pam mae ei angen

Mae corff cynyddol o ymrwymadau, cyfraith, polisi a chanllawiau ynni a newid yn yr hinsawdd yn y DU ac yn rhyngwladol sy'n pwysleisio'r angen brys am seilwaith cynhyrchu ynni newydd, yn arbennig o ffynonellau adnewyddadwy fel solar. I gefnogi'r ymdrech hon, mae Llywodraeth Cymru a Llywodraeth y DU wedi ymrwymo i gyflawni allyriadau carbon sero net erbyn 2050.

Mae'r llwybr at sero net yn gofyn am ddatgarboneiddio trafniadaeth, diwydiant, amaeth a chartrefi drwy drydaneiddio. Bydd hyn yn arwain at ddyblu'r galw am drydan erbyn 2050.

Mae gan Brosiect Maen Hir gapasiti cynhyrchu disgwylidig o 360 megawat (MW). Byddai'n gwneud cyfraniad hanfodol at gyflawni sero net - gan gynhyrchu digon o ynni glân yn flynyddol i bŵeru dros 140,000 o gartrefi ac osgoi oddeutu 70,000 tunnell o CO<sub>2</sub>.

## Yr ymgynghoriad hwn - 02 Hydref i 15 Tachwedd 2024

Wedi cynnal asesiadau amgylcheddol ac arolygon technegol helaeth er mwyn llywio datblygiad ein cynigion ar gyfer y Prosiect, rydym bellach yn eich gwahodd i gymryd rhan yn yr ymgynghoriad hwn er mwyn rhoi eich barn am y gwaith hyd yma.

## Rydym yn gofyn yn benodol am eich adborth ar:

- Y prosiect yn gyffredinol
- Ein huwchgynllun safle dangosiadol
- Y coridorau a ffefrir ar gyfer y llwybrau cebl
- Y mesurau rydym yn eu cynnig i liniaru effeithiau
- Manteision cymunedol a mentrau lleol
- Unrhyw beth arall rydych eisiau ei ddweud wrthym am ein gwaith hyd yma

Mae eich barn yn bwysig i ni. Byddwn yn defnyddio eich sylwadau er mwyn helpu i lywio'r cynlluniau terfynol y byddwn yn eu cyflwyno i'r Arolygiaeth Gynllunio yn ein cais am ganiatâd datblygu.

# 360MW

Generation capacity

# 360MW

Capasiti cynhyrchu

Enough clean energy to power over **140,000** homes annually

Digon o ynni glân i bŵeru dros **140,000** o gartrefi bob blwyddyn



Avoids over **70,000** tonnes of CO<sub>2</sub> every year

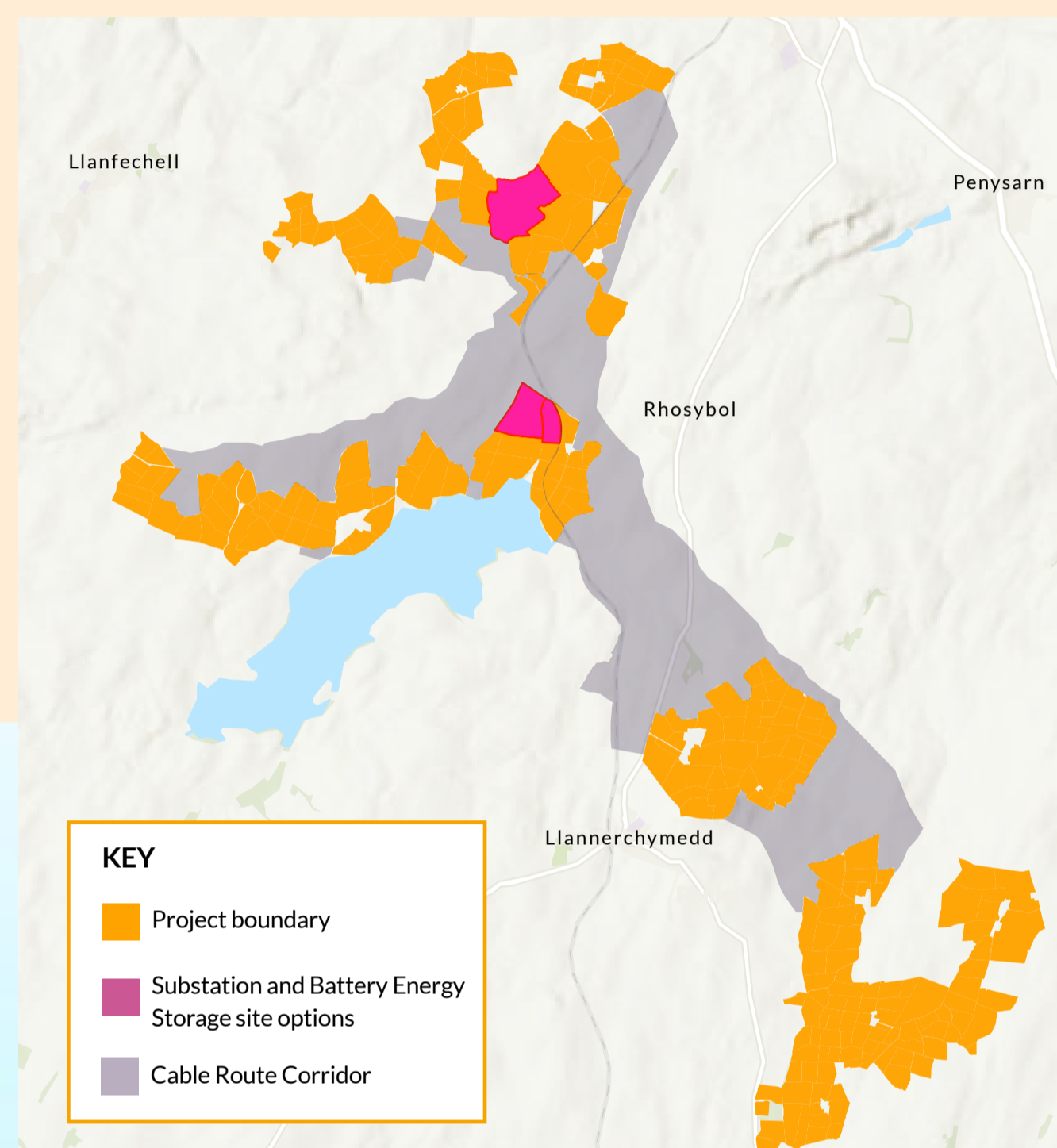
Yn osgoi dros **70,000** tunnell o CO<sub>2</sub> bob blwyddyn

# Project Location

The application we submit to the Planning Inspectorate – known as a Development Consent Order (DCO) – will comprise the solar energy storage project and the connection into the National Grid substation using underground cables so the electricity it generates can be made available to homes and businesses.

The Solar PV site comprises approximately 1,284 hectares (ha) across three parcels:

- Gogledd Maen Hir (Maen Hir North) – comprises land near Rhosgoch and Bodewryd
- Canol Maen Hir (Maen Hir Central) – comprises land around the northern and eastern periphery of Llyn Alaw
- De Maen Hir 'A' a 'B' (Maen Hir South A and B) – comprises land to the north-east and south-east of Llannerchymedd



The land predominantly consists of agricultural fields used for grazing, with an area of land within Gogledd Maen Hir close to Rhosgoch – the former oil depot.

The Project will have an operational life of up to 60 years. During the operational phase, the land under and around the solar panels will remain as grassland and be managed by grazing or mowing to protect soil resources and agricultural land quality. When the Project reaches the end of its operational phase the land will be returned to its original use.

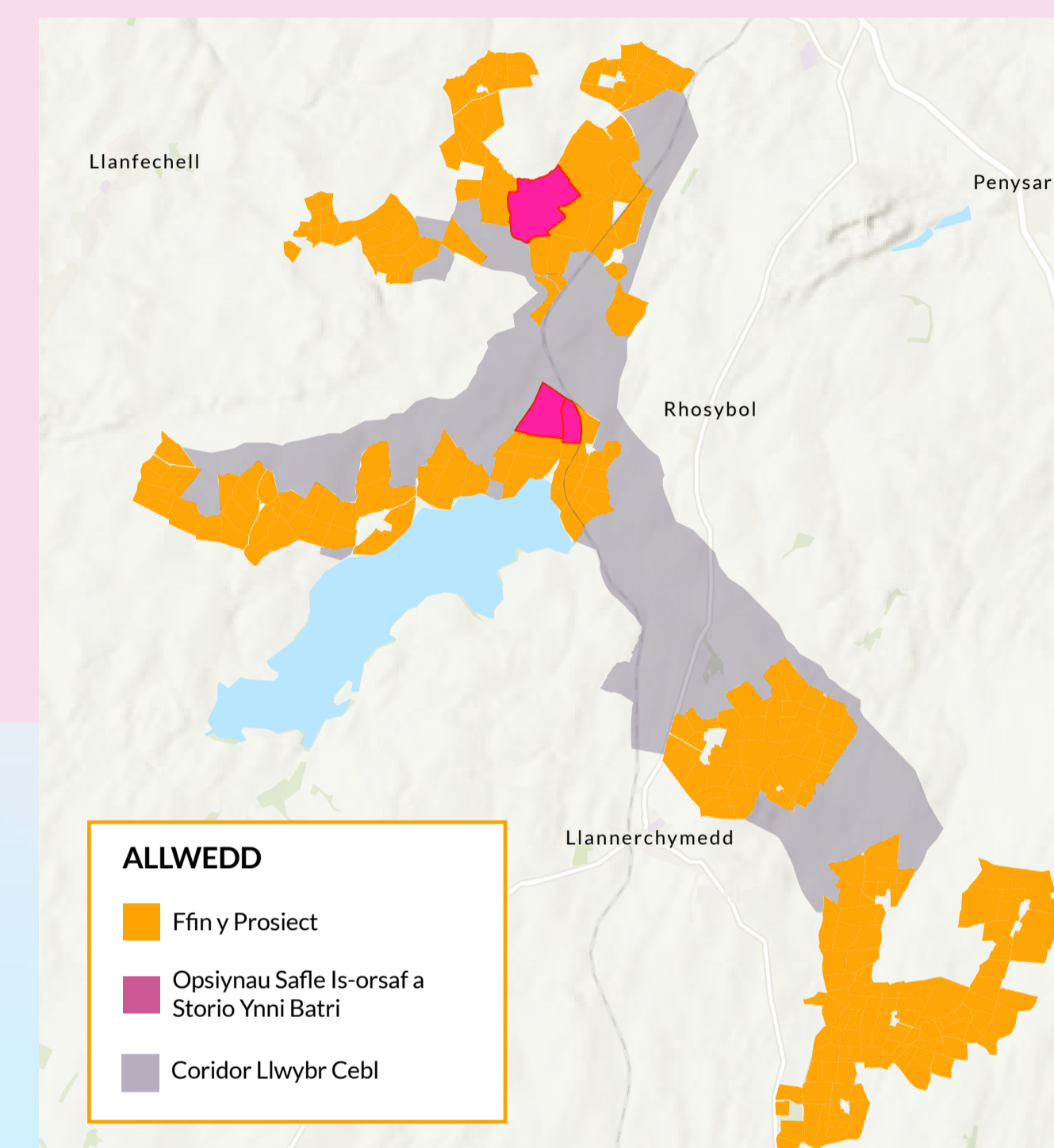
The map above shows the extent of the land available for the development including the construction, operation and decommissioning of the Project.

# Lleoliad y Prosiect

Bydd y cais a gyflwynwn i'r Arolygiaeth Gynllunio - a elwir yn Orchymyn Cydsyniad Datblygu (DCO) - yn cynnwys y prosiect storio ynni solar a'r cysylltiad i is-orsaf y Grid Cenedlaethol drwy ddefnyddio ceblau tanddaearol er mwyn gallu cynnig y trydan a gynhyrchir ganddo i gartrefi a busnesau.

Mae'r safle ffotofoltäig solar yn cynnwys oddeutu 1,284 hectar (ha) ar draws tri darn o dir:

- Gogledd Maen Hir – yn cynnwys tir ger Rhosgoch a Bodewryd
- Canol Maen Hir – yn cynnwys tir o gwmpas ymyl ogleddol a dwyreiniol Llyn Alaw
- De Maen Hir 'A' a 'B' – yn cynnwys tir i'r gogledd-ddwyrain a de-ddwyrain o Llannerchymedd



Mae'r tir yn cynnwys caeau amaethyddol yn bennaf a ddefnyddir ar gyfer pori, gyda darn o dir o fewn Gogledd Maen Hir ger Rhosgoch - y cyn-ddepo olew.

Bydd y Prosiect yn weithredol am hyd at 60 mlynedd. Yn ystod y cyfnod gweithredol, bydd y tir o dan ac o amgylch y paneli solar yn parhau'n dir glaswelltlog ac yn cael ei reoli drwy bori neu dorri er mwyn gwarchod adnoddau pridd ac ansawdd tir amaethyddol. Ar ddiwedd cyfnod gweithredol y Prosiect, bydd y tir yn dychwelyd i'w ddefnydd gwreiddiol.

Mae'r map uchod yn dangoss hyd a lled y tir sydd ar gael ar gyfer y datblygiad, yn cynnwys adeiladu, gweithredu a digomisiynu'r Prosiect.

REVISION	DATE	BY	FOR
1	2024-09-10	LDĀ	Final Design
2	2024-09-10	LDĀ	Final Design
3	2024-09-10	LDĀ	Final Design
4	2024-09-10	LDĀ	Final Design
5	2024-09-10	LDĀ	Final Design

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4	2024-09-10	LDĀ	Final Design
5	2024-09-10	LDĀ	Final Design

PROJECT NAME: LDĀ DESIGN

PROJECT NO: 2024-09-10



**Renaturalised Watercourses**

Giving watercourses space to reconnect to flood plains, creating and enhancing habitats around the watercourse

**Diverse edges**

Complexity and diversity of edges created with layered planting and scrub

**Field Boundaries**

Respecting existing culturally and ecologically valuable field boundaries and enhancing where appropriate

**Enhanced access**

Conversion of disused railway into a green way with the potential to connect Llannerch-y-medd and Amlwch

**Structural tree planting**

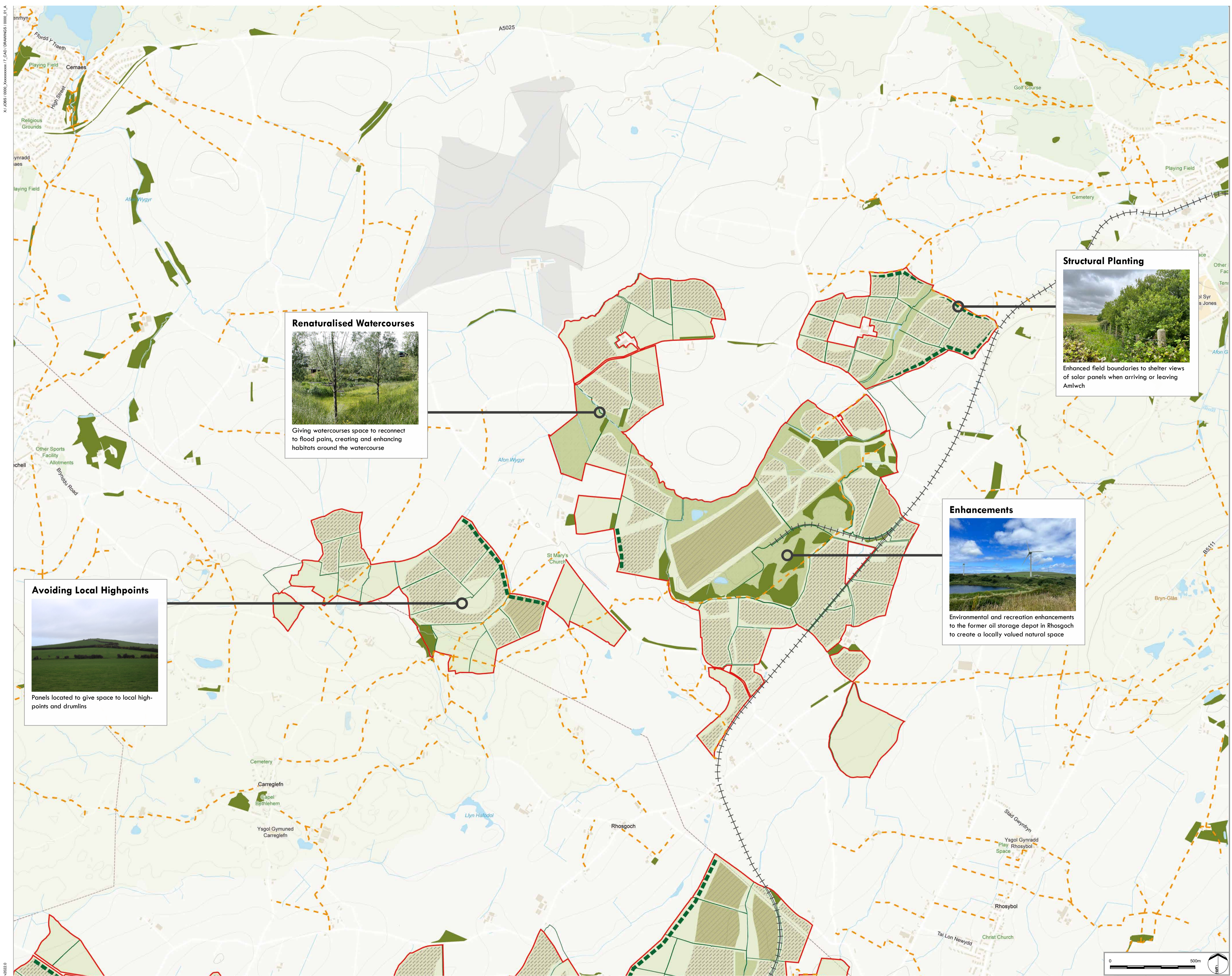
Woodland planting to provide visual containment and interlinked habitat

**Key**

- Green infrastructure strategic moves
- Recreation and access strategic moves
- Proposed / indicative structural planting
- Area for ground mounted solar arrays and 33kV substations
- Area for project substation, BESS, and/or solar development
- Area for 132kV substation, BESS, and/or solar development
- Mitigation and Enhancement Areas
- Retained agricultural land
- Existing public rights of way
- Retained agricultural land
- Existing 400kV overhead power line








**Key**

- Area for ground mounted PV arrays and 33kV substations
- Area for project substation, BESS, and/or solar development
- Area for 132kV substation, BESS, and/or PV arrays
- Mitigation and Enhancement Areas
- Retained agricultural land
- Existing public rights of way
- Existing woodland
- Proposed / indicative structural planting
- Proposed / indicative opportunities for new access
- Existing 400kV overhead power line

**Renaturalised Watercourses**



Giving watercourses space to reconnect to flood plains, creating and enhancing habitats around the watercourse

**Structural Planting**



Enhanced field boundaries to shelter views of solar panels when arriving or leaving Amlwch

**Enhancements**



Environmental and recreation enhancements to the former oil storage depot in Rhosoch to create a locally valued natural space

**Avoiding Local Highpoints**



Panels located to give space to local high-points and drumlins

P03	Updated following legal review	02/09/2024
P02	Land for solar reviewed following client review	PD 28/09/2024
P01	Land for solar reviewed following review	KH 21/08/2024
REV.	DESCRIPTION	APP. DATE

**LD A DESIGN**

PROJECT TITLE  
PROSIECT MAEN HIR

DRAWING TITLE  
Illustrative Masterplan for Stat Con Detailed - Maen Hir North (Sheet 2 of 4)

ISSUED BY	Bristol	T: 0117 2033 628
DATE	Aug 2024	DRAWN LT
SCALE@A1	1:10000	CHECKED KH
STATUS	Draft	APPROVED KH

DWG. NO. 8888-MP-1002

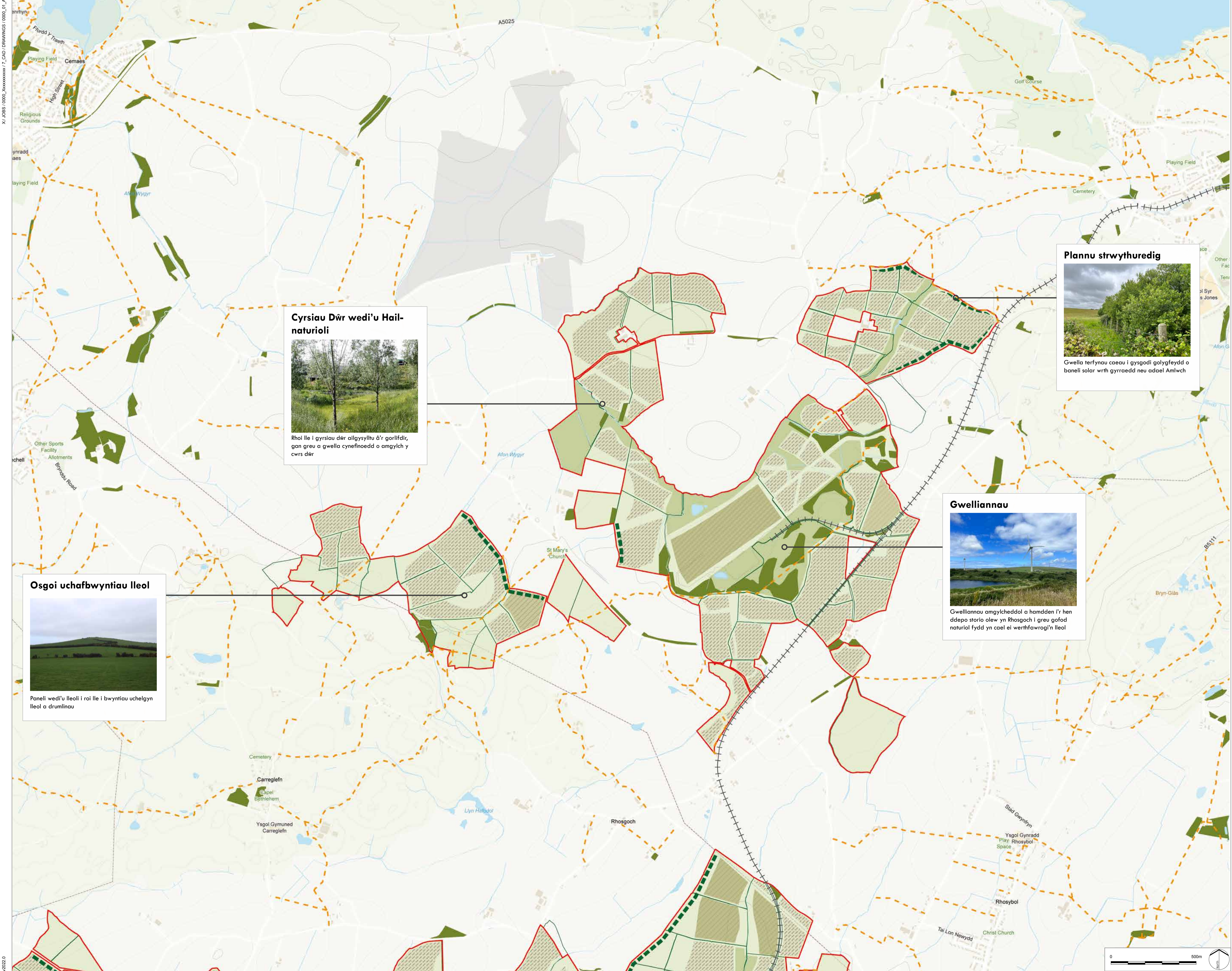
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Sources: Ordnance Survey

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**Cyrsiau Dŵr wedi'u Hail-naturïoli**



Rhoi lle i gyrsiau dŵr ailgysylltu â'r gorlifdair, gan greu a gwella cynefinoedd o amgylch y cwrs dŵr

**Plannu strwythuredig**



Gwella terfynau caeau i gysgodi golygfeydd o baneli solar wrth gyrraedd neu adael Amlwch

**Osgoi uchafbwyntiau lleol**



Paneli wedi'u lleoli i roi lle i bwyntiau uchelgyn lleol a drumlinau

**Gwelliannau**



Gwelliannau amgylcheddol a hamdden i'r hen ddepo storio olew yn Rhosgoch i greu gofod naturiol fydd yn cael ei werthfawrogi'n lleol

- LEGEND**
-  Ardal ar gyfer araeau ffotofoltaidd ar y dddeear ac is-orsafodd 33kv
  -  Ardal ar gyfer is-orsaf y prosiect, BESS, a/neu datblygiad solar
  -  Ardal ar gyfer is-orsaf 132kv, araeau PV a/neu BESS
  -  Ardaloedd Lliniaru a Gwella
  -  Tir amaethyddol sy'n cael ei gadw
  -  Hawliau tramwy cyhoeddus
  -  Coetir Presennol
  -  Plannu strwythuredig arfaethedig/dangosol
  -  Cyfleoedd arfaethedig/dangosol ar gyfer mynediad newydd
  -  Llinell bŵer uwchben 400kV bresennol

PO3	Updated following legal review	02/09/2024
PO2	Land for solar revised following client review	29/08/2024
PO1	Land for solar revised following review	21/08/2024
REV.	DESCRIPTION	APP. DATE

**LDĀ DESIGN**

PROJECT TITLE  
**PROSIECT MAEN HIR**

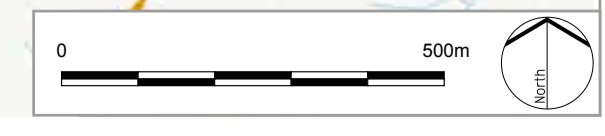
DRAWING TITLE  
**Illustrative Masterplan for Stat Con Detailed - Maen Hir North (Sheet 2 of 4)**

ISSUED BY	Bristol	T: 0117 2033 628
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SCALE@A1	1:10000	CHECKED KH
STATUS	Draft	APPROVED KH

DWG. NO. **8888-MP-1002**

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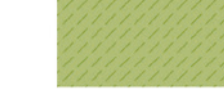





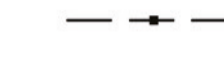
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LEGEND

### Key

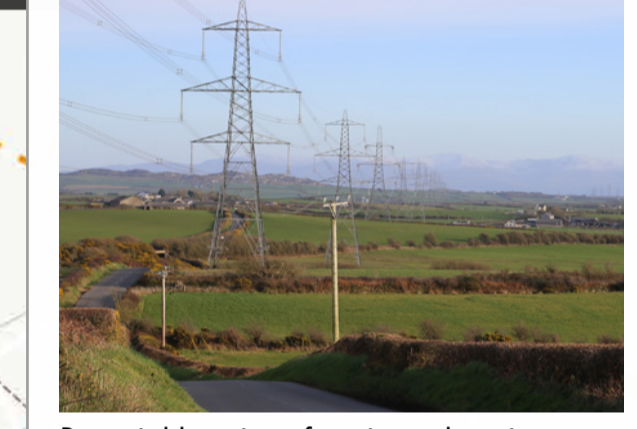
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-  Mitigation and Enhancement Areas
-  Retained agricultural land
-  Existing public rights of way
-  Existing woodland
-  Proposed / indicative structural planting
-  Proposed / indicative opportunities for new access
-  Existing 400kV overhead power line

#### Mynydd Mechell



Avoiding and protecting key views from locally designated special landscape area

#### Potential Substation (BESS)



Potential location of project substation, national grid substation, and potential BESS location

#### Reservoir Edge

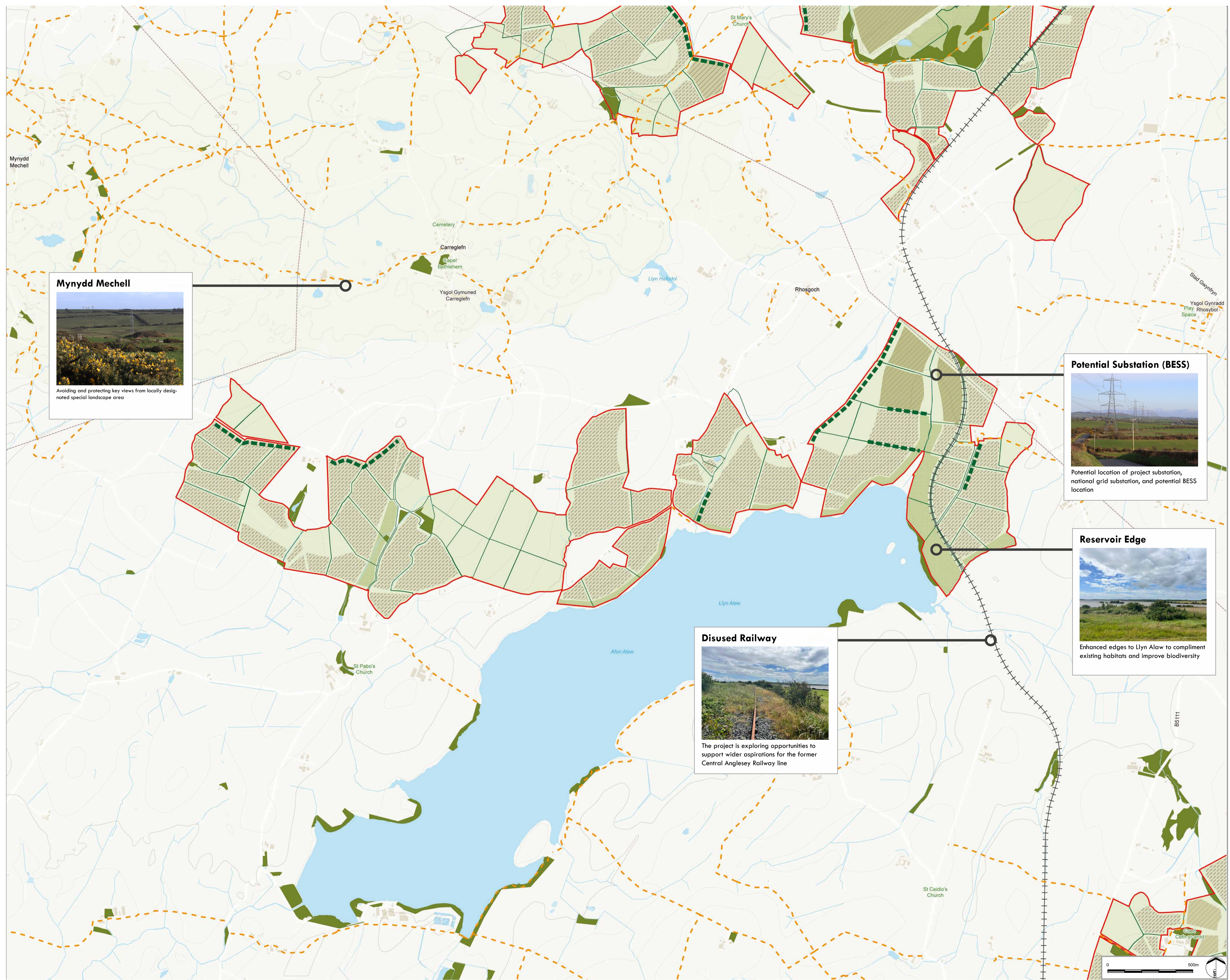


Enhanced edges to Llyn Alaw to compliment existing habitats and improve biodiversity

#### Disused Railway



The project is exploring opportunities to support wider aspirations for the former Central Anglesey Railway line



P03	Updated following legal review	02/09/2024
P02	Land for solar revised following client review	28/08/2024
P01	Land for solar revised following review	21/08/2024
REV.	DESCRIPTION	APP. DATE

## LD A DESIGN

PROJECT TITLE  
PROSIECT MAEN HIR

DRAWING TITLE  
Illustrative Masterplan for Stat Con  
Detailed - Maen Hir Central (Sheet 3 of 4)

ISSUED BY	Bristol	T: 0117 2033 628	
DATE	Aug 2024	DRAWN	LT
SCALE@A1	1:10000	CHECKED	KH
STATUS	Draft	APPROVED	KH

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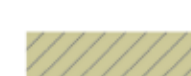


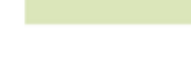



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LEGEND

### Allwedd

-  Ardal ar gyfer araeau ffotofoltaidd ar y ddaear ac is-orsafedd 33kv
-  Ardal ar gyfer is-orsaf y prosiect, BESS, a/neu ddatblygiad solar
-  Ardal ar gyfer is-orsaf 132kv, araeau PV a/neu BESS
-  Ardaloedd Liniaru a Gwella
-  Tir amaethyddol sy'n cael ei gadw
-  Hawliau tramwy cyhoeddus
-  Coetir Presennol
-  Plannu strwythuredig arfaethedig/dangosol
-  Cyfleoedd arfaethedig/dangosol ar gyfer mynediad newydd
-  Llinell bŵer uwchben 400kV bresennol

#### Mynydd Mechell



Osgoi a diogelu golygfeydd allweddol o ardal dirwedd arbennig a ddynodwyd yn lleol

#### Is-orsaf bosibl (BESS)



Lleoliad posibl is-orsaf y prosiect, is-orsaf y grid cenedlaethol, a lleoliad BESS posibl

#### Ymyl y Gronfa Ddŵr



Gwella ymylon Llyn Alaw i gyd-fynd â chyneffoedd presennol a gwella bioamrywiaeth

#### Rheilffordd segur



Mae'r prosiect yn archwilio cyfleoedd i gefnogi dyheadau ehangach ar gyfer hen Rheilffordd Canal Môn

P03	Updated following legal review	02/09/2024
P02	Land for solar revised following client review	PD 29/08/2024
P01	Land for solar revised following review	KH 21/08/2024
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Illustrative Masterplan for Stat Con Detailed - Maen Hir Central (Sheet 3 of 4)

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STATUS	Draft	APPROVED	KH

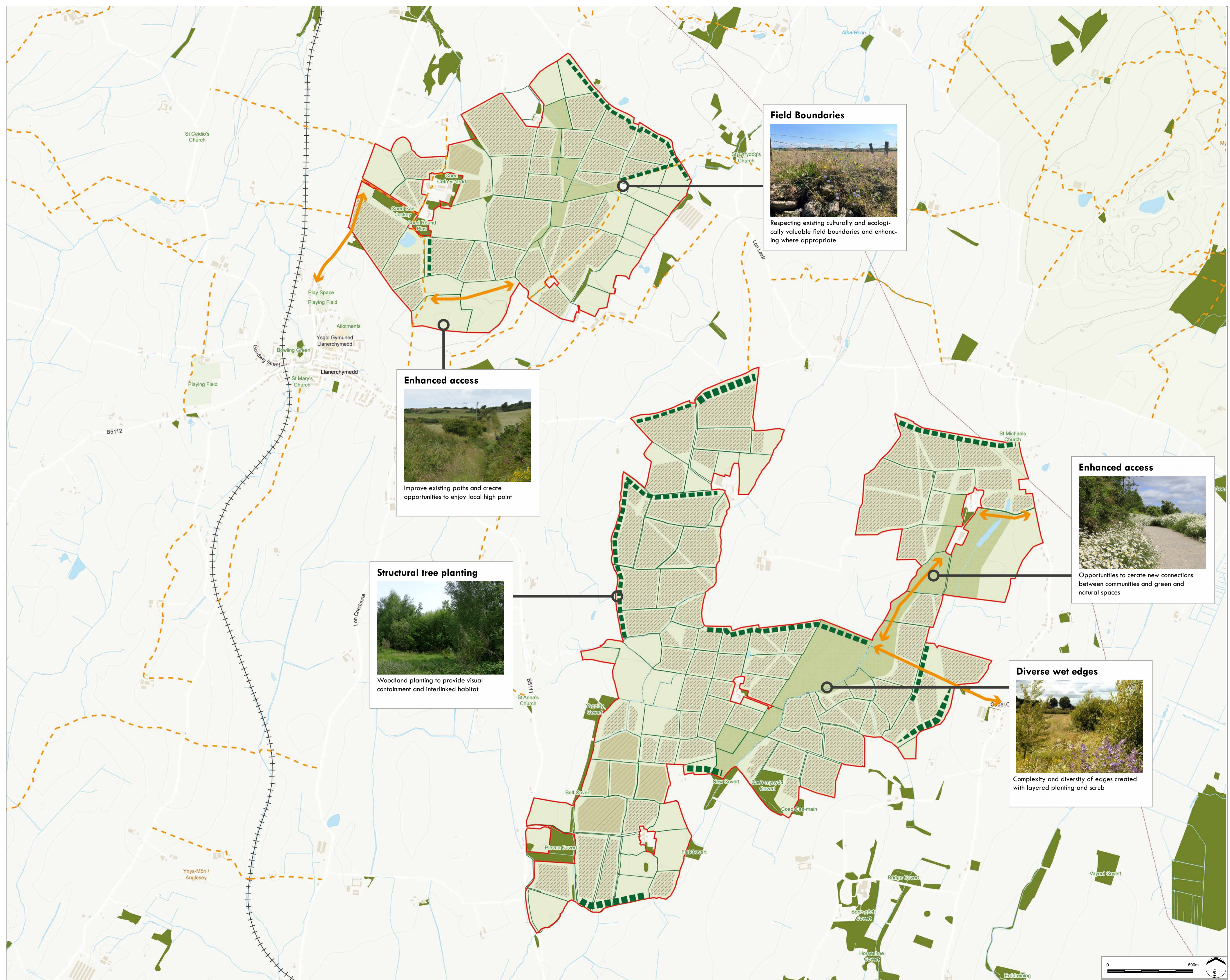
DWG. NO. 8888-MP-1003

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**Field Boundaries**



Respecting existing culturally and ecologically valuable field boundaries and enhancing where appropriate

**Enhanced access**



Improve existing paths and create opportunities to enjoy local high point

**Structural tree planting**




Woodland planting to provide visual containment and interlinked habitat

**Enhanced access**



Opportunities to create new connections between communities and green and natural spaces

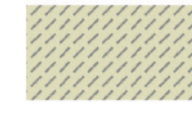









**Diverse wet edges**



Complexity and diversity of edges created with layered planting and scrub

**LEGEND**

**Key**

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PROSIECT MAEN HIR

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Illustrative Masterplan for Stat Con  
Detailed - Maen Hir South A and B (Sheet 4 of 4)


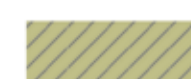
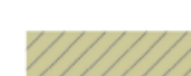


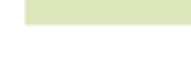




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-  Coetir Presennol
-  Plannu strwythuredig arfaethedig/dangosol
-  Cyfleoedd arfaethedig/dangosol ar gyfer mynediad newydd
-  Llinell bŵer uwchben 400kV bresennol

#### Terfynau Caeau



Parcu terfynau presennol y gellir eu cyfrifo'n amaethyddol ac yn eicolegol a'u gwella pan mae hynny'n briodol

#### Gwell Mynediad



Gwella llwybrau presennol a chreu cyfleoedd i fwynhau uchafbwyntiau lleol

#### Gwell mynediad



Cyfleoedd i greu cysylltiadau newydd rhwng cymunedau a manau gwyrdd naturiol

#### Plannu coed strwythuredig



Plannu coetir i ddarparu cynefinoedd cysylltiedig ac i reoli golygfeydd

#### Ymylon gwlyb amrywiol



Creu cymhlethdod ac amrywiaeth yn yr ymylon drwy blannu prysgwydd a phlannu haenog

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PROSIECT MAEN HIR

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Illustrative Masterplan for Stat Con  
Detailed - Maen Hir South A and B (Sheet 4 of 4)

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# The Solar PV Site

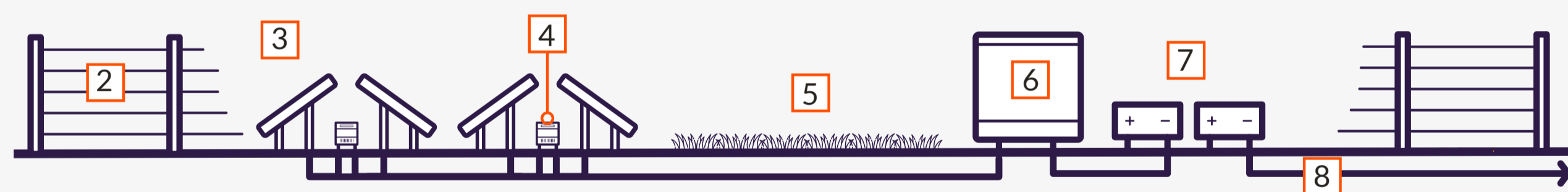
Prosiect Maen Hir would comprise the installation of solar photovoltaic panels (PV) and an on-site energy storage facility, plus infrastructure to connect the different parts of the Solar PV site and transport the electricity it generates to the National Grid substation so it can be made available to the UK's homes and businesses.

## The principal components of the solar energy project comprise:

- Solar photovoltaic (PV) modules capture sunlight to generate electricity. Panels are arranged in rows and connected by cables that transfer electricity produced to inverters
- Inverters convert the direct current (DC) electricity into alternating current (AC) so it can be exported onto the grid and used in homes and businesses. They are placed beneath solar panels or in designated areas together with switchgear which manages the electrical systems and transformers, which increase the voltage to the required level for transmission to the substation
- 33 kilovolt (kV) parcel substations collect the electricity generated, and the 132kV project substation increases its voltage before transmitting it to the National Grid substation
- Electricity generated can be stored in batteries at times of low demand then released onto the national grid when demand increases. Battery units are typically no taller than four metres
- Underground cable is used to connect different parts of the solar farm and then transport electricity to the National Grid substation
- Fencing will enclose the operational areas of the site, with security measures including internal facing CCTV around the site perimeter

### Components of a typical solar farm

- |                                        |                           |
|----------------------------------------|---------------------------|
| 1. Solar Energy                        | 5. Landscape Area         |
| 2. Fencing                             | 6. Substation             |
| 3. Solar PV Modules                    | 7. Battery Energy Storage |
| 4. Inverter (DC to AC power converter) | 8. Underground Cable      |



\*Layout and scale of components will vary

# Safle Solar Ffotofoltäig

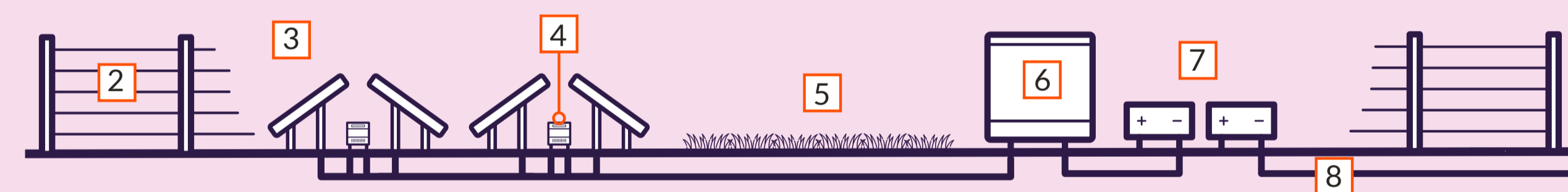
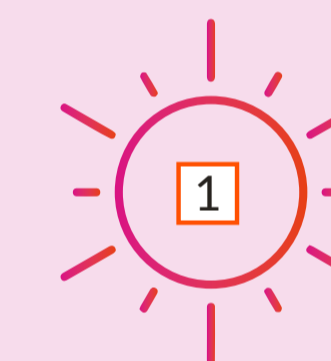
Byddai Prosiect Maen Hir yn cynnwys gosod paneli ffotofoltäig solar (PV) a chyfleuster storio ynni ar y safle, yn ogystal â seilwaith i gysylltu'r gwahanol rannau o'r ffarm solar a chludo'r trydan a gynhyrchir ganddo i is-orsaf y Grid Cenedlaethol fel bod modd ei gynnig i gartrefi a busnesau y DU.

## Dyma brif elfennau'r prosiect ynni solar:

- Mae modiwlau ffotofoltäig solar (PV) yn dal golau'r haul i gynhyrchu trydan. Mae'r paneli solar yn cael eu trefnu'n rhesi a'u cysylltu gyda cheblau sy'n trosglwyddo'r ynni a gynhyrchir i wrthdroyddion
- Mae gwrthdroyddion yn trosi'r trydan cerrynt union (DC) i gerrynt eiledol (AC) fel y gellir ei allgludo ar y grid a'i ddefnyddio mewn cartrefi a busnesau. Cânt eu gosod o dan baneli solar neu mewn ardaloedd dynodedig ynghyd â'r offer switsio sy'n rheoli'r trawsnewidyddion a'r systemau trydanol, sy'n cynyddu'r foltedd i'r lefel angenrheidiol ar gyfer trosglwyddo i'r is-orsaf
- Mae is-orsafedd parcel 33 cilofolt (kV) yn casglu'r trydan a gynhyrchir, ac mae'r is-orsaf prosiect 132kV yn cynyddu ei foltedd cyn ei drosglwyddo i is-orsaf y Grid Cenedlaethol
- Mae modd storio'r trydan a gynhyrchir mewn batris yn ystod cyfnodau pan nad oes llawer o alw amdano yna'i ryddhau ar y grid cenedlaethol pan fo cynnydd yn y galw. Fel rheol, nid yw'r unedau batri yn fwy na phedwar metr o uchder
- Defnyddir cebl tanddaearol i gysylltu gwahanol rannau o'r fferm solar cyn cludo trydan i is-orsaf y Grid Cenedlaethol
- Bydd ffens yn amgylchynu ardaloedd gweithredol y safle, gyda'r mesurau diogelwch yn cynnwys CCTV sy'n wynebu'n fewnol o amgylch terfyn allanol y safle

### Cydrannau fferm solar nodweddiadol

- |                                      |                        |
|--------------------------------------|------------------------|
| 1. Ynni Solar                        | 5. Ardal Tirwedd       |
| 2. Ffensio                           | 6. Is-orsaf            |
| 3. Modiwlau PV Solar                 | 7. Storio Ynni Batri   |
| 4. Gwrthdroydd (troswr pŵer DC i AC) | 8. Cebl o dan y Ddaear |



\*Bydd cynllun a graddfa'r cydrannau yn amrywio



# Environmental Mitigation and Enhancement

We have carefully considered the findings from our ongoing assessments to gauge the potential impact construction, operation and decommissioning of Prosiect Maen Hir could have on the landscape, environment, and local communities.

Reducing or avoiding impacts is one of our top priorities. In developing our proposals for this Project, we have incorporated into the design different measures that reduce its impact on a range of factors while also enhancing and benefiting the local area.

These include, but are not limited to:



## Landscape and views

The Project has been designed to integrate with the landscape, existing features, and topographical patterns by:

- Avoiding visually exposed summits of geomorphological features
- Utilising natural screening and topography in siting key components
- Providing of visual breaks and separation between solar arrays
- A 50 metre (m) offset from the northern and eastern shores of Llyn Alaw
- Enhancements to the diversity, extent, condition and connectivity of landscape features including hedgerows, woodlands and cloddiau
- Improvements to access and the green and natural spaces
- Containment of the solar arrays within undulating landform in the southern parcel

Introduction of new landscape features to replace any unavoidable losses and contribute to the visual screening of the Project include:

- New areas of woodland, hedges, cloddiau, drystone walling, wildflower meadows and wetlands
- Existing hedges and cloddiau would be infilled and 'gapped-up' where appropriate
- Making good any collapsed sections of drystone walling or cloddiau where appropriate
- PRoW passing through the Project would be buffered within hedge-lined corridors

The design incorporates minimum offsets from existing landscape features including:

- Ancient woodland (20m)
- Residential properties (15m)
- Public Rights of Way (PRoW) (15m)
- Hedgerows, drystone walls and cloddiau (10m)
- Watercourses and ponds (10m)
- Roads (6m)



## Ecology and Nature

Retain existing habitat; replace/reinstate habitat when construction has finished and create new areas of habitat within the solar PV site including grassland and woodland. We will integrate 20m buffers to avoid impacts of important habitats and protected species.



## Noise and Vibration

Locate noise generating equipment away from homes and businesses to reduce the effect of noise impact, also using topography and physical barriers to further reduce noise from breaking out. Where appropriate additional measures such as acoustic fencing will be considered.



## Soils and Agriculture

The quality of agricultural land has accounted for to limit impacts on best and most versatile land during construction, operation, and decommissioning.

Good soil management practices will be implemented, e.g. avoiding travelling across and handling soils when wet, and restoring soils in trenches in the order they were removed.



## Climate Change

The Project will be designed, constructed, and implemented in a way that reduces creation of waste and maximises the use of materials with lower embodied carbon, such as locally sourced products and materials with a higher recyclable content.



## Water and Drainage

Put in place measures to intercept and control potential surface water run-off and promote infiltration to ensure there will be no significant flood risk.



## Heritage and Archaeology

Avoidance of known archaeological remains, while retaining those hedgerows, earthworks and tree lines that define historic field systems the Project is contained within to minimise the effect on historic landscape features.



## Socio-economics

The Project will create significant opportunities for local job creation and economic growth. During the construction phase, around 1,320 jobs are expected to be generated. During the operational phase the Project will support approx. 10-12 full time roles. Additionally, the local economy will benefit from indirect jobs, supported through the supply chains.

# Lliniaru a Gwella'r Amgylchedd

Rydym wedi ystyried canfyddiadau ein hasesiadau parhaus yn ofalus i asesu'r effaith bosibl y gallai adeiladu, gweithredu a datgomisiynu Prosiect Maen Hir ei chael ar y dirwedd, yr amgylchedd a chymunedau lleol.

Lleihau neu osgoi effeithiau yw un o'n prif flaenoriaethau. Wrth ddatblygu ein cynigion ar gyfer y Prosiect hwn, rydym wedi cynnwys mesurau gwahanol yn y dyluniad sy'n lleihau ei effaith ar amrywiaeth o dderbynyddion ar yr un pryd â gwella a bod o fudd i'r ardal leol.

Mae'r rhain yn cynnwys y canlynol, ond heb fod yn gyfyngedig iddynt:



## Tirwedd a golygfeydd

Mae'r Prosiect wedi cael ei ddylunio i integreiddio â'r dirwedd, nodweddion presennol a phatrymau topograffig drwy:

- Osgoi copaon o nodweddion geomorffolegol sy'n cael eu hamlygu'n weledol
- Defnyddio sgrinio a thopograffeg naturiol wrth leoli cydrannau allweddol
- Darparu toriadau gweledol a gwahaniad rhwng araeau solar
- Gwyo 50 metr (m) oddi ar lannau gogleddol a dwyreiniol Llyn Alaw
- Gwella amrywiaeth, maint, cyflwr a chysylltedd nodweddion tirwedd (gan gynnwys gwrychoedd, coetiroedd a chloddiau)
- Archwilio'r potensial ar gyfer gwelliannau i fannau gwyrdd a naturiol
- Cadw'r araeau solar o fewn tiffurf tonnog yn y parcel deheuol

Cyflwyno nodweddion tirwedd newydd yn lle unrhyw golledion na ellir eu hosgoi a chyfrannu at sgrinio gweledol y Prosiect, gan gynnwys:

- Ardaloedd newydd o goetir, gwrychoedd, cloddiau, waliau cerrig sych, dolydd blodau gwyllt a gwlypdiroedd
- Byddai gwrychoedd a chloddiau presennol yn cael eu mewnlenni lle bo hynny'n briodol, a bylchau ynddynt yn cael eu llenwi
- Atgyweirio unrhyw ddarnau o waliau cerrig sych neu gloddiau sydd wedi dymchwel lle bo hynny'n briodol
- Byddai Hawliau Tramwy Cyhoeddus sy'n pasio drwy'r Prosiect yn cael eu byffro o fewn coridorau ag ymylon o wrychoedd

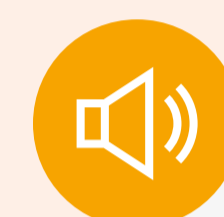
Mae'r dyluniad yn cynnwys cyn lleied â phosibl o wrydd oddi ar nodweddion tirwedd presennol, gan gynnwys:

- Coetir hynafol (20m)
- Eiddo preswyl (15m)
- Hawliau Tramwy Cyhoeddus (15m)
- Gwrychoedd, waliau cerrig sych a chloddiau (10m)
- Cyrisiau dŵr a phyllau (10m)
- Ffyrdd (6m)



## Ecoleg a Natur

Cadw cynefin presennol amnewid/adfer cynefin pan fydd y gwaith adeiladu wedi gorffen a chreu ardaloedd newydd o gynefin ar y safle solar PV gan gynnwys glaswelltir a choetir. Byddwn yn integreiddio clustogfeydd 20m i osgoi effeithiau ar gynefinoedd pwysig a rhywogaethau gwarchoddedig.



## Sŵn a Dirgryniad

Lleoli offer sy'n cynhyrchu sŵn i ffwrdd o gartrefi a busnesau er mwyn lleihau effaith sŵn, gan ddefnyddio topograffi a rhwystrau ffisegol i leihau mwy ar effeithiau sŵn. Lle bo'n briodol, bydd mesurau ychwanegol fel ffensys acwstig yn cael eu hystyried.



## Priddoedd ac Amaethyddiaeth

Mae'r Prosiect wedi rhoi cyfrif am ansawdd tir amaethyddol er mwyn cyfyngu ar yr effeithiau ar y tir gorau a mwyaf amlbwrpas yn ystod y camau adeiladu, gweithredu a datgomisiynu.

Bydd arferion rheoli pridd da yn cael eu rhoi ar waith, e.e. osgoi teithio ar draws a thrin priddoedd pan fyddant yn wlyb, ac adfer priddoedd mewn ffosydd yn y drefn y cawsant eu tynnu.



## Newid Yn Yr Hinsawdd

Bydd y Prosiect yn cael ei ddylunio, ei adeiladu a'i weithredu mewn ffordd sy'n lleihau faint o wastraff sy'n cael ei greu ac yn cynyddu'r defnydd o ddeunyddiau sydd â llai o garbon corfforedig, fel cynnyrch a deunyddiau o ffynonellau lleol sydd â chynnwys uwch y gellir ei ailgylchu.



## Dŵr a Draeniau

Rhoi mesurau ar waith i ryng-gipio a rheoli dŵr ffo posibl ar yr wyneb a hyrwyddo ymdreiddiad i sicrhau na fydd perygl sylweddol o lifogydd.



## Treftadaeth ac Archaeoleg

Osgoi olion archaeolegol hysbys, gan gadw'r rhan fwyaf o wrychoedd, cloddwaith a llinellau coed sy'n diffinio systemau caeau hanesyddol y mae'r Prosiect wedi'i gynnwys ynddynt er mwyn lleihau'r effaith ar nodweddion tirwedd hanesyddol.



## Economeg Gymdeithasol

Bydd y Prosiect yn creu cyfleoedd sylweddol ar gyfer creu swyddi lleol a thwf economaidd. Yn ystod y cam adeiladu, disgwylir y bydd tua 1,320 o swyddi yn cael eu creu. Yn ystod y cam gweithredol, bydd y Prosiect yn cefnogi tua 10-12 o swyddi llawn amser. Yn ogystal, bydd yr economi leol yn elwa o swyddi anuniongyrchol, wedi'u cefnogi drwy'r cadwyni cyflenwi.

# Community and Economic Benefits

The Project will contribute to a range of benefits to the local community and regional economy including employment opportunities, environmental improvements and long-term social advantages.



## Community and Social Benefits

The 5MWp community solar project incorporated in our proposal would generate an income which would be used to support local initiatives and deliver projects that benefit local communities. For example, improving recreational and amenity resources through the creation of new permissive pathways and cycle routes or by enhancing existing public rights of way, to encourage healthy lifestyles and promote well-being.



## Economic and Employment Benefits

Construction of the Project could generate around 1,320 direct jobs ranging from specialist and skilled positions to general labour, plus approximately 1,110 indirect jobs across the wider supply chain.

When it becomes operational the Project could support up to 12 full-time positions including roles in electrical engineering, performance management, maintenance and landscaping.



## Environmental and Biodiversity Benefits

The Project aims to enrich the local environment, enhance biodiversity and promote the health of the local ecosystem through the creation of new wildlife habitats while maintaining agricultural activities such as livestock grazing and wildflower planting.

Restoration of traditional landscape features such as cloddiau (stone-faced earth banks) will help reinforce the character and the culture of the region, preserving and improving Anglesey's unique environment for future generations.



## Energy Security and Infrastructure Improvements

By improving the reliability of national power supply, the Project will contribute to regional energy independence and security. This will safeguard the region's power needs and support the transition to renewable energy sources.



Tell us about any local projects and initiatives you'd like us to consider supporting, in your feedback.

# Buddion Cymunedol ac Economaidd

Bydd y Prosiect yn cyfrannu at ystod eang o fuddion i'r gymuned leol a'r economi ranbarthol, gan gynnwys cyfleoedd cyflogaeth, gwelliannau amgylcheddol, a manteision cymdeithasol hirdymor.



## Buddion Cymunedol a Chymdeithasol

Byddai'r prosiect solar cymunedol 5MWp sydd wedi'i ymgorffori yn ein cynnig yn cynhyrchu incwm a fyddai'n cael ei ddefnyddio i gefnogi mentrau lleol a chyflwyno prosiectau sydd o fudd i gymunedau lleol. Er enghraifft, gwella adnoddau hamdden ac amwynder drwy greu llwybrau cerdded a beicio caniatol neu drwy wella'r hawliau tramwy cyhoeddus presennol, er mwyn annog ffyrdd iach o fyw a hyrwyddo llesiant.



## Buddion Economaidd a Chyflogaeth

Gallai adeiladu'r Prosiect hwn greu tua 1,320 o swyddi uniongyrchol, yn amrywio o swyddi arbenigol a medrus i lafur cyffredinol, yn ogystal ag oddeutu 1,110 o swyddi anuniongyrchol ledled y gadwyn gyflenwi ehangach.

Gallai'r Prosiect, pan ddaw'n weithredol, gefnogi hyd at 12 o swyddi llawn amser gan gynnwys rolau yn y maes peirianeg drydanol, rheoli perfformiad, cynnal a chadw a thirlunio.



## Buddion Amgylcheddol a Bioamrywiaeth

Nod y Prosiect yw cyfoethogi'r amgylchedd lleol, gwella bioamrywiaeth a hyrwyddo iechyd yr ecosystem leol drwy greu cynefinoedd bywyd gwyllt newydd wrth gynnal gweithgareddau amaethyddol fel pori da byw a phlannu blodau gwyllt.

Bydd adfer nodweddion traddodiadol y dirwedd, megis cloddiau (waliau o bridd a cherrig), yn helpu i atgyfnerthu cymeriad a diwylliant y rhanbarth, gan warchod a gwella amgylchedd unigryw Ynys Môn ar gyfer cenedlaethau'r dyfodol.



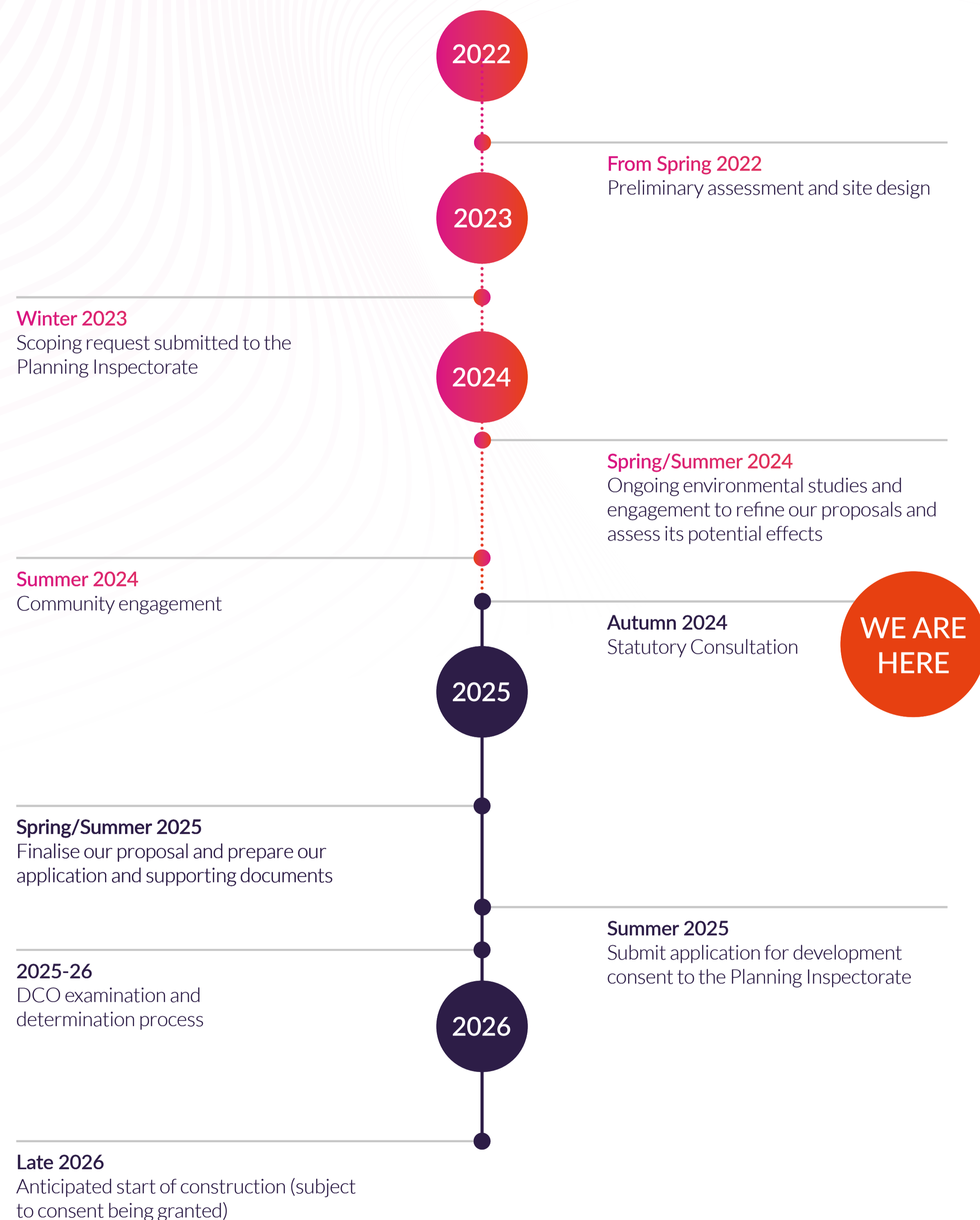
## Sicrwydd Ynni a Gwelliannau Seilwaith

Drwy wella dibynadwyedd y cyflenwad pŵer cenedlaethol, bydd y Prosiect yn cyfrannu at annibyniaeth a sicrwydd ynni rhanbarthol. Bydd hyn yn diogelu anghenion pŵer y rhanbarth ac yn cefnogi'r trosglwyddiad i ffynonellau ynni adnewyddadwy.

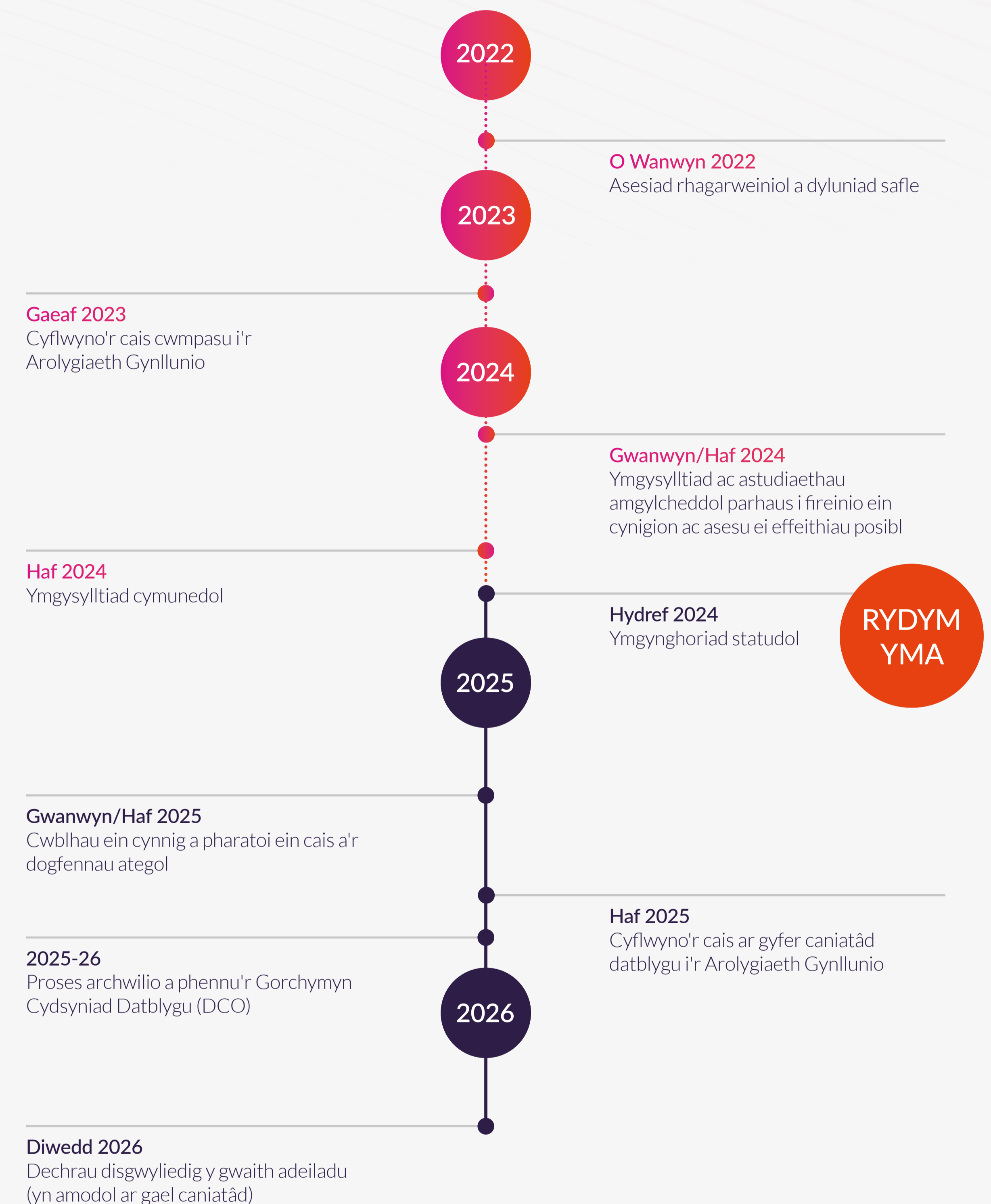


Dywedwch wrthym am unrhyw brosiectau neu fentrau lleol yr hoffech i ni ystyried eu cefnogi, yn eich adborth.

# Project Timeline



# Amserlen y Prosiect



**Prosiect Maen Hir is classified as a Nationally Significant Infrastructure Project (NSIP).**

This means we need to apply for a Development Consent Order (DCO). Our application for development consent will be submitted to the Planning Inspectorate which acts on behalf of the Secretary of State at the Department for Energy Security and Net Zero (DESNZ). The decision on whether to grant consent for our Project will be made by the Secretary of State.

**Mae Prosiect Maen Hir yn cael ei ystyried yn Brosiect Seilwaith o Arwyddocâd Cenedlaethol (NSIP).**

Mae hyn yn golygu bod angen i ni wneud cais am Orchymyn Cydsyniad Datblygu (DCO). Caiff ein cais am ganiatâd datblygu ei gyflwyno i'r Arolygiaeth Gynllunio sy'n gweithredu ar ran yr Ysgrifennydd Gwladol yn yr Adran Sicrwydd Ynni a Sero Net (DESNZ). Yr Ysgrifennydd Gwladol fydd yn penderfynu a ddylid cymeradwyo caniatâd ar gyfer ein Prosiect.

# Have Your Say

Thank you for taking part in this consultation. Your views are important to us. We will use them to help us refine and shape the proposals we take forward.

## Providing your feedback

You can submit your comments in a number of ways



**Online:** feedback can be submitted via our project webpage: [lightsourcebp.com/maenhir-english](https://lightsourcebp.com/maenhir-english)



**Email:** send an email to [Maenhir@lightsourcebp.com](mailto:Maenhir@lightsourcebp.com)



**Post:** write to use at FREEPOST MAEN HIR PROJECT

You can complete a printed feedback form at this event and hand it to a member of the team or send it to us at the FREEPOST address above.

**The deadline for feedback to this consultation is 15 November 2025**



## Next steps

Following this consultation, we will consider all the feedback which we receive and continue to refine our proposal for Prosiect Maen Hir. When our proposal is finalised, we submit our application for development consent to the Planning Inspectorate (PINS). We currently anticipate submitting the application towards the end of 2025.

## Further opportunities to contribute

Subject to our application being accepted for examination, you will be able to register your interest in our proposals directly with the Planning Inspectorate, who will then inform you about the progress of our application and let you know about further opportunities to contribute.

All the comments submitted to this consultation will be acknowledged, recorded and considered to inform our decisions as we finalise our proposal for the Project.

While we won't be able to respond to you individually, all the issues and themes raised in your feedback will be addressed in the Consultation Report that will be submitted as part of our application for development consent.



# Dweud Eich Dweud

Diolch i chi am gymryd rhan yn yr ymgynghoriad hwn. Mae eich barn yn bwysig i ni. Byddwn yn ei defnyddio i'n helpu i freinio a llywio'r cynigion a gyflwynir gennym.

## Darparu eich adborth

Mae modd cyflwyno'ch sylwadau mewn sawl fordd



**Ar-lein:** gellir cyflwyno adborth drwy dudalen we ein prosiect: [lightsourcebp.com/maenhir-cymraeg](https://lightsourcebp.com/maenhir-cymraeg)



**E-bost:** anfonwch e-bost i [Maenhir@lightsourcebp.com](mailto:Maenhir@lightsourcebp.com)



**Post:** cysylltwch â ni drwy ysgrifennu at FREEPOST MAEN HIR PROJECT

Gallwch gwblhau ffurflen adborth yn y digwyddiad hwn a'i chyflwyno i aelod o'r tîm neu ei hanfon atom i'r cyfeiriad RHADBOST uchod.

**Y dyddiad cau ar gyfer adborth i'r ymgynghoriad hwn yw 15 Tachwedd 2025.**



## Y camau nesaf

Yn dilyn yr ymgynghoriad hwn, byddwn yn ystyried bob adborth a dderbyniwn ac yn parhau i freinio ein cynnig ar gyfer Prosiect Maen Hir. Pan fydd ein cynnig wedi'i gwblhau, byddwn yn cyflwyno ein cais ar gyfer caniatâd datblygu i'r Arolygiaeth Gynllunio (PINS). Ar hyn o bryd rydym yn rhagweld y byddwn yn cyflwyno'r cais tuag at ddiwedd 2025.

## Cyfleoedd pellach i gyfrannu

Yn amodol ar ein cais yn cael ei dderbyn i'w archwilio, bydd modd i chi gofrestru eich diddordeb yn ein cynigion yn uniongyrchol â'r Arolygiaeth Gynllunio, a fydd wedyn yn eich hysbysu ynghylch cynnydd ein cais ac yn rhoi gwybod i chi am gyfleoedd pellach i gyfrannu.

Bydd yr holl sylwadau a gyflwynir i'r ymgynghoriad hwn yn cael eu cydnabod, eu cofnodi a'u hystyried er mwyn llywio ein penderfyniadau wrth i ni gwblhau ein cynnig ar gyfer y Prosiect.

Er na fydd modd i ni ymateb i chi'n unigol, rhoddir sylw i'r holl faterion a themâu a godwyd yn eich adborth yn yr Adroddiad Ymgynghori a gyflwynir fel rhan o'n cais am ganiatâd datblygu.

