



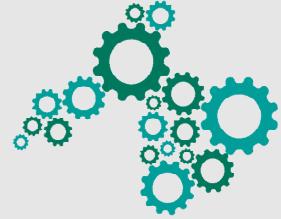
**Busnes@  
gwynedd.llyw.cymru**



**Busnesa**  
gwynedd.llyw.cymru

## CROESO / WELCOME

- **TREFNIADAU CYFIEITHU**
- **TRANSLATION FACILITY**
  
- **CWESTIYNAU AR Y DIWEDD**
- **Q & A SESSION AT THE END**



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**CROESO A CHYFLWYNIAD –**

**Colin James Morris, Rheolwr Uned Cefnogi Busnes, Cyngor Gwynedd**

**WELCOME AND INTRODUCTION –**

**Colin James Morris, Business Support Unit Manager, Cyngor Gwynedd**



# Busnesa

gwynedd.llyw.cymru

**Stuart Meads, Greener Edge Sustainability, Yr Academi Ddigidol Werdd, Coleg Llandrillo-Menai**

- Cyngor Ymarferol ar gyfer Lleihau Defnydd Ynni a Chostau
- Y Canllaw Arbedion Gwyrrd

**Stuart Meades, Greener Edge Sustainability, The Green Digital Academy, Coleg Llandrillo-Menai**

- Practical Advice on Reducing Energy Consumption and Costs
- An Introduction to the Green Savings Guide

Save Energy,  
Save Money  
Low cost and no cost options

Stu Meades  
[stu@greener-edge.co.uk](mailto:stu@greener-edge.co.uk)

Greener Edge  
**SUSTAINABILITY**  
GIVING YOU A GREENER EDGE



# Greener Edge Ltd

Greener Edge was established in 2018 in Beddgelert.

We are an energy and sustainability consultancy, specialising in carbon footprint mapping and development of decarbonisation strategies for public and private sector organisations.

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# Greener Edge and GLLM

Working with GLLM to deliver net-zero assessments under the Green Digital Academy.

We have assessed 35+ businesses in Gwynedd and Anglesey.

Calculated complete scope 1, 2 and 3 emissions and provided decarbonisation pathways to net zero.

Produced the Green Savings Guide for staff

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# Low Cost – No Cost Options

- Human Factors
- Building Fabric
- Heating
- Cooling
- Lighting
- Equipment
- Renewables & Green Tech



There is no one size fits all solution – every business is different

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# Human Factors



- Be honest with your staff, tell them how much energy is costing the business
- Identify champions in your staff – set up a ‘Green Team’
- Empower your staff to make suggestions and identify wastage
- Create an atmosphere of energy saving

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# Building Fabric

- Keep the front doors shut – keep the heat in and the cold out
- Shut internal doors
- Insulate where you can
  - loft, roof, walls
- Draught proof doors and windows
  - heavy curtains, draught excluders, strips, expanding foam!
- Upgrade the windows to double glazing (not low cost, sorry)



# Heating

- Heat the spaces that you are using, when you are using them
- Turn down the temperature, even a 1°C drop makes a difference
- Think about where the thermostat is
- Isolate radiators that aren't in use or aren't needed
- Put on a jumper rather than heat a room
- If the heating or cooling is on, shut the windows and doors
- Turn the system off before you close, not as you close
- Get the system flushed



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# Cooling

- Use passive cooling where you can, open windows and doors
- Turn fans down a notch – a 10% reduction in the speed of the fan reduces the power demand by 33%
- Where you are using air conditioning systems, aim for a bandwidth of temperatures rather than a single setpoint
- Hide the remote controls, or teach people how to use them
- Turn the system off before you close, not as you close



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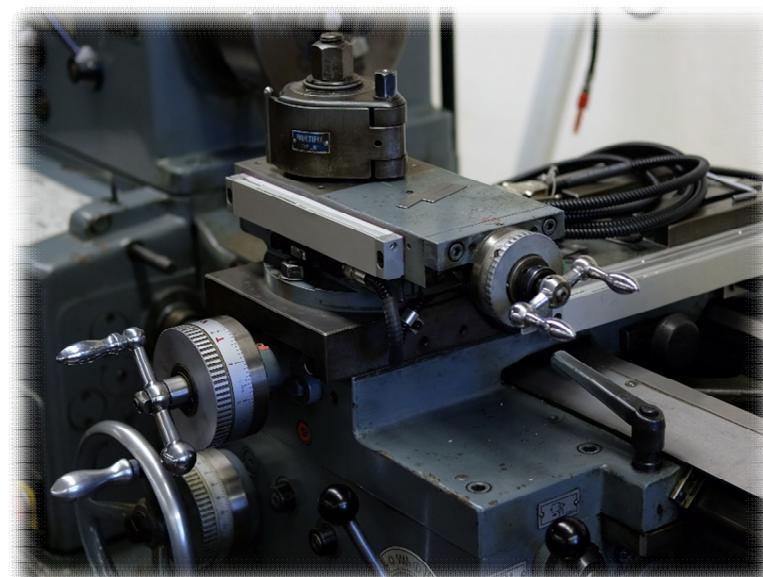
# Lighting

- Use daylight when you can
- Light the spaces you need, when you need them
- Clean external sensors and cut back trees etc
- LED lighting is much more efficient than older style lighting – an LED upgrade will typically reduce power consumption of lighting by 60 – 70%
- Simple things like “Turn it off” stickers can make a big behavioural difference



# Equipment

- Can be the biggest single user of energy in the facility
- Understand your equipment – what does it actually do & how does it work
- Get it commissioned, serviced and maintained
- Have a lifecycle plan – don't wait until it's broken to plan the replacement
- Depending on your tariff it may be cheaper to use energy at different times of the day
- Power off equipment, don't use standby



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Dirty  
Grille  
on a  
Chiller

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# Renewables and Green Tech

- Self Generation
  - Solar Panels
  - Wind Turbines
  - Hydro
  - (Biomass)
- Storage
- Importance of scaling the solution to your consumption
- Heat Pumps



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# Final Thoughts

- There's no golden bullet or single thing that you can do to solve all the problems, it's a blended solution
- Every indication is that energy costs will stay high
- The future is decarbonisation, and that means electrification
- You are more likely to be successful when applying for financial support if you can demonstrate that you have considered all the options and have already started taking steps yourself



# Thank you for listening

Any Questions?

Stu Meades  
[stu@greener-edge.co.uk](mailto:stu@greener-edge.co.uk)

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**Richard Fraser-Williams, Rheolwr  
Perthynas â Busnesau, Busnes Cymru**

- Busnes Cymru a'r Addewid Twf Gwyrdd

**Richard Fraser-Williams, Business Relationship  
Manager, Business Wales**

- Business Wales & The Green Growth Pledge

# D Y M A   B U S N E S S

# T H I S   I S   B U S I N E S S

.....a dyma fi!!!  
.....and this is me!!!

R i c h a r d   L l .   F r a s e r - W i l l i a m s

**Rheolwr Perthynas â Busnesau  
Business Relationship Manager**

# BUSNES CYMRU BUSINESS WALES

- Mae Busnes Cymru yn wasanaeth sy'n darparu cefnogaeth a chyngor diduedd ac annibynnol i bobl sy'n dechrau, rhedeg ac yn tyfu busnes yng Nghymru.
- Gwasanaeth Cymru Gyfan
- Timau cynggori profiadol
- Gweithdai a Digwyddiadau



- Business Wales is a service that provides **impartial, independent support and advice** to people starting, running and growing a business in Wales
- Pan Wales service
- Experienced advisory teams
- Workshop and events

# TEULU BUSNES CYMRU THE BUSINESS WALES FAMILY

- Tîm Gweithredol Busnes Cymru
- Busnes Cymru
- Hwb Menter
- Busnes Cymdeithasol Cymru
- Cyflymu Busnesau Cymru
- Syniadau Mawr Cymru
- BOSS (Cyrisiau ar-lein am ddim)
- Rhaglen Cyflymu Twf
- Timau Llywodraeth Cymru



- Business Wales Delivery Team
- Business Wales
- Enterprise Hub
- Social Business Wales
- Superfast Business Wales
- Big Ideas Wales
- BOSS (Business Online Support Service)
- Accelerated Growth Programme
- Welsh Government Teams

# TROSOLWG OVERVIEW

- Darparu Gwybodaeth
- Cyngor Busnes Cyffredinol
- Adnoddau Dynol
- Cynaliadwyedd
- Cefnogaeth Tendro
- Masnach Ryngwladol
- Porth Sgiliau
- Mentora



- Information Provision
- General Business Advice
- Human Resource
- Sustainability
- Tendering Support
- International Trade
- Skills Gateway
- Mentoring

# C Y N G O R   B U S N E S S B U S I N E S S   A D V I C E

Tîm o pobl busnes profiadol yn darparu cyngor ar bynciau gan gynnwys:

- Cynllunio Busnes
- Marchnata
- Mynediad i Gyllid
- Twf busnes
- Arloesi

Hefyd mynediad i rhwydwaith cymorth busnes ehangach – Tîm Gogs



Team of experienced business people providing advice on topics including:

- Business Planning
- Marketing
- Access to Finance
- Business growth
- Innovation

Together with access to the broader business support network – Team Gogs

# CYNALIAD WYEDD SUSTAINABILITY

- Lleihau costau drwy effeithlonrwydd gweithredol ac ynni
- Cydymffurfio â'r gyfraith
- Datblygu a chyflwyno Systemau Rheoli Amgylcheddol
- Gwybodaeth ac atgyfeirio i ddarparwyr arbenigol
- Awgrymiadau Da -  
<https://businesswales.gov.wales/cy/awgrymiadau-da>
- Addewid Twf Gwyrdd



- Cost reduction through energy and operational efficiencies
- Legal compliance
- Development and introduction of Environmental Management Systems
- Information about and referral to specialist providers
- Top Tips -  
<https://businesswales.gov.wales/top-tips>
- Green Growth Pledge

# A W G R Y M I A D A U   D A T O P   T I P S

## Awgrymiadau Da

### Awgrymiadau da ar gyfer gwella eich effeithlonrwydd

Dwy siwrch ar y cyllennoddaid o ddefnyddiau ymrau rhydol yr ysgafn ar holl busnesau i mae eich busnes chi yn trwm ganus mwy i fod yn effeithlon gyda adroddiadau i sardd ymreolaeth, dŵr a datbua gosodol. Medi'r gwasnïau drwy nesnïadau bychain:



**Ynni**  
Awgrymiadau da ar gyfer gwella eich effeithlonrwydd Ynni



**Llotygarwch**  
Awgrymiadau da ar gyfer gwella eich effeithlonrwydd Llotygarwch a Goseid



**System Rheoli**  
Awgrymiadau da ar gyfer gwella eich effeithlonrwydd System Rheoli Awgrymkoddol



**Gwelingynhyrchu**  
Awgrymiadau da ar gyfer gwella eich effeithlonrwydd gwelingynhyrchu  
Gwyl i'r busnes, nad yn unig i'w wneud trwm, ond gall i'w ddefnyddio i ddarparu masr, blas fawer a swyddfaidd sy'n wneud i'w ddefnyddio a chofn y byd effeithlon.



**Allgychu**  
Awgrymiadau da ar gyfer gwella eich effeithlonrwydd allgychu  
Llofas gwasnïau ddyfodol fad ym llawnoldeb, yn gyntaf, ystyrfaol a osas mrosl addysglodol o amserol yr iaithach neu'r holltch. Mae modd allgychu oedd i 70% o dweud mwydol.



**Marwedu**  
Awgrymiadau da ar gyfer gwella eich effeithlonrwydd marwedu  
Mae'r sektor marwedu'n ymddyngoch oawn yw hawliau - dros 3 milltir tonnol y flwyddyn. Awgrymkoddol i'w llofnod yn costol £400 miliwn i'r ddebydd mawen codi gwaelod i'w uog.

## Top Tips

### Top Tips for Improving Your Resource Efficiency

Explore how your business can do more to become more efficient and save energy, water and reduce waste, with these useful instructions. Small changes can make a difference.



**Energy**  
Top tips for improving your energy



**Hospitality**  
Top tips for reducing your food waste



**Management**  
Top tips for improving your environmental responsibilities



**Manufacturing**  
Top tips for reducing manufacturing waste  
Waste reduction is not just important for the environment, but is a major cost-saver. Many organisations that have implemented measures to improve their resource efficiency



**Recycling**  
Top tips for improving your recycling  
Reducing waste should be the priority. First think about what items could be re-used rather than recycled. About 70 per cent of office waste is recyclable.



**Retail**  
Top tips for reducing your retail waste  
The retail sector produces a significant amount of waste, over 2 million tonnes a year. The daily average value of the waste sent to landfills is around £400 million.

**Busnes | Business  
Cymru | Wales**

# A W G R Y M I A D A U   D A - e s i a m p l T O P   T I P S - e x a m p l e

**wrap**  
Euros

**CARBON TRUST**

**Awgrymiadau da ar gyfer gwella eich effeithlonrwydd**  
Effeithlonrwydd Ynni

- Gallwch weithredu nifer o fesurau arbed ynni am gost isel neu hyd yn oed heb gost o gwbl, a gall leihau costau ynni hyd at 20% cant. Dyma ral awgrymiadau syml a all eich helpu chi i arbed ynni.
- Gallwch gymryd camau syml i leihau eich costau ynni.
  - A yw eich staff yn chwaraeu rhan – a ydym nhw'n difod offeryn yn y nos a phan na chânt eu defnyddio.
  - A oes synwyrddion symudiadau neu amseryddion wedi cael eu gosod mewn ardaloedd sy'n cael eu defnyddio'n achlysurol.
  - Ydych chi'n wedi goad bylbau gorau ynni isel.
  - Ydych chi'n gwresogi manau na chânt eu defnyddio.
- Gwnnewch yn siŵr bod y staff yn gwybod sut mae systemau gwresogi ac oer i'n gweithio a'u bod nhw'n gynharwydd ag unrhyw weithredlau effeithlonrwydd ynni cymysgedig.
- Trw leihau tymheredd ystafell 1°C, gallwch leihau eich bil gwresogi cymaint at 10% cant. Os yw eich lefelau gwresogi wedi'u gosod yn rhwng uchel neu eich lefelau oer i'n rhwng uchel, gall eich fod yn defnyddio mwya o ynni nag sy'n angenheiddiol. Dylech osod thermostatau gwres canolog rhwng 18° a 21°C a dylech osod aerdymerwyr i ddod ymlaen pan mae'r tymheredd yn mynd yn uwch na 24 °C
- Dylech ddefnyddio amseryddion a thermostatau i reoli systemau gwresogi ac oer, i gynhesu swyddfeydd cyn i staff gyrraedd ac i ddifod pan fydd yn cyrraedd y tymheredd dynunol
- Dylech sicrhau bod ffenestri a drysau ar gau pan mae'r systemau gwresogi neu aerdymerwyr ymaen. Dylech annog staff i gau bleiniadau a lienni i atal cynhesu gan yr haul neu golli gwres mewn ystafelloedd
- Dylech difod systemau gwresogi neu oer i mewn ystafelloedd gwag. Defnyddiwr y rhain dim ond pan mae pobl yn yr ystafell
- Gall yr ynni a ddefnyddir ar gyfer golau gyfrifol am hyd at hanner bil trydian swyddfa. Mae labelu neu roi odd i llaw ar swtisws yn ffordd wych o hyrwyddo diwylliant 'difod' ymhâl i gweithwyr. System syml yw: coch = peidwch a'i difod, oren = gall staff penodol ei difod pan na chaffi ei ddefnyddio, a gwyrdd = gall unrhyw un ei difod pan na chaffi ei ddefnyddio
- Gwirwch gyda'ch darparwr trydan i sicrhau eich bod chi ar y pris cywir. Gall cymharu darllenadau mesurydd gwirioneddol a darllenadau ar eich bil (a all fod yn amcangyfrifon) amlygu anghysonddeb a gordiladau
- Mesur ddefnydd ynni yw'r cam cyntaf i w reali. Bydd cyfrifo eich costau sylfaenol ar gyfer tanwydd a thrydan yn eich helpu chi i osod targedau ac amlygu meysydd sydd angen sylw ar unwaith
- Wrth allwampio, ystyriwr osod ffenestri dwbl neu drifflig. Gall atal drafftiau ac insiweiddio gwael mewn wallau, toeon neu biberllau ganiatâu i ynni ddianc. Dylech eu newid neu diweddu, pa faran
- Gwnnewch yn siŵr nad yw ffenau, pympiau ac offeryn canolog, fel tyrau oer, boeleri ac oerwyr, yn gweithredu pan fo adeiladau'n wag, ac elthrio pan fo'r angen
- Gwnnewch yn siŵr fod gan dechnau gyfradd ynni'r UE o A neu uwch

**Llywodraeth Cymru**  
**Welsh Government**

**wrap**  
Euros

**CARBON TRUST**

**Top Tips for Improving Your Resource Efficiency**

**Energy Efficient**

- Many energy saving measures can be implemented at a low or even no cost and can reduce energy costs by up to 20 per cent. Below are some simple tips you can take to help you save energy.
- Simple steps can be taken to reduce your energy costs.
  - Are staff engaged – do they switch off equipment at night and when it is not in use?
  - Are motion sensors or timers installed in areas that are used intermittently?
  - Have you installed low-energy light bulbs?
  - Are you heating areas that are not in use?
- Ensure staff know how heating and cooling systems work and are familiar with any built-in energy efficient functions.
- By reducing the temperature of a room by 1°C you can reduce your heating bill by as much as 10 per cent. If your heating levels are set too high or cooling levels too low, you could be using more energy than necessary. Central heating thermostats should be set between 18° and 21°C, and air conditioning should be set to come on when temperatures exceed 24°C.
- Timers and thermostats should be used to control heating and cooling systems, to warm offices just before staff arrive and shut off when the desired temperature is reached
- Ensure windows and doors are closed when heating or air-conditioning is on. Encourage staff to close blinds and curtains to prevent excess warmth from the sun or heat loss in rooms
- Turn off heating and cooling in empty rooms. Only use these systems when people are in the room
- Energy used in lighting can account for up to half the electricity bill for an office. Labelling or colour-coding switches is an excellent way of promoting a 'switch-off' culture among employees. A simple system is: red = don't turn it off, orange = named staff can turn it off when not in use, and green = anyone can turn it off when not in use
- Check with your electricity provider to ensure you are on the correct tariff. Comparing actual meter readings with readings on your bill (which may be estimates) can highlight discrepancies and overcharges
- Measuring energy use is the first step to controlling it. Calculating your baseline costs for fuel and electricity will help you to set targets and identify areas that need urgent attention
- When refurbishing, consider installing double or triple-glazed windows. Poor draft-proofing and insulation in walls, roofs or pipes and can allow energy to escape. Replace or upgrade these where necessary
- Ensure that fans, pumps and central plants, such as cooling towers, boilers and chillers do not operate when buildings are unoccupied, except where necessary
- Ensure appliances have an EU energy rating of A or higher
- Use natural light wherever possible, keep windows clean and encourage staff to open blinds rather than turn lights on
- Clean diffusers regularly. Dirty diffusers can reduce light output by 50 per cent
- Make sure lights can be switched off manually and consider installing daylight sensors or motion detectors to control when lights switch on and off

**Llywodraeth Cymru**  
**Welsh Government**

**Busnes | Business**  
**Cymru | Wales**

# YR ADDEWID TWF GWYRDD (1)

## THE GREEN GROWTH PLEDGE

Mae'r Addewid Twf Gwyrdd yn helpu busnesau Cymru i gymryd camau gweithredol tuag at wella eu cynaliadwyedd, arddangos yr effaith gadarnhaol maent yn ei gael ar bobl a lleoedd o'u cwmpas, yn ogystal ag ymuno â chymuned gynyddol o sefydliadau blaengar sy'n helpu Cymru i bontio dyfodol carbon isel.

The Green Growth Pledge helps Welsh businesses take pro-active steps towards improving their sustainability, demonstrating their positive impact on the people and places around them, as well as joining a growing community of forward-thinking organisations who are helping Wales transition to a low carbon future.

# YR ADDIEWID TWF GWYRDD (2) THE GREEN GROWTH PLEDGE

Mae'n cynnig ystod o gamau syml ac ymarferol a ellir eu cymryd, fel lleihau defnydd o gerbyd, cynyddu effeithlonrwydd dŵr ac ynni, a gweithio gyda chyflenwyr cyfrifol a fydd yn helpu cwmnïau i ddod yn fwy effeithlon, datgarboneiddio ac ennill busnes newydd.

It offers a range of straightforward, practical actions that can be taken, such as reducing vehicle use, increasing water and energy efficiency, and working with responsible suppliers that will help companies become more efficient, decarbonise and win new business.

# GWEITHGAREDDAU A CHAMAU ACTIVITIES AND STEPS

## 1. Gweithio gyda chyflenwyr cyfrifol:

Ymhllith y camau y gall eich cwmni eu cymryd i annog arfer da o fewn eich cadwyn gyflenwi, mae:

- a. Cynyddu nifer y cyflenwyr sydd wedi'u lleoli yn eich rhanbarth
- b. Dewis cyflenwyr yn seiliedig ar eu harferion da amlwg
- c. Cael polisi ysgrifenedig i'ch arwain chi ar sut rydych yn dewis cyflenwyr

## 1. Working with responsible suppliers:

Steps your company can take to encourage good practice within your supply chain include:

- a. Increasing the proportion of your suppliers that are based in your region
- b. Choosing suppliers based on their demonstrable good practices
- c. Having a written policy to guide how you choose suppliers

# GWEITHGAREDDAU A CHAMAU ACTIVITIES AND STEPS

## 2. Cynnyrch a gwasanaethau:

Camau y gall eich cwmni eu cymryd i leihau ei ddefnydd o ddeunyddiau a chynhwysion crai, a sicrhau bod eich prosesau yn effeithlon:

- a. Mae eich cynnyrch yn cael eu creu gan ddefnyddio'r isafswm o ddeunyddiau a chynhwysion crai
- b. Mae eich prosesau a thechnolegau'n cael eu dewis oherwydd eu defnydd effeithlon o adnoddau
- c. Darperir eich gwasanaethau gan ddefnyddio'r isafswm o ffynonellau

## 2. Products & Services:

Steps your company can take to reduce its use of raw ingredients and materials and to ensure your processes are efficient include:

- a. Your products are made using minimal raw ingredients and materials
- b. Your processes and technologies are chosen for their efficient use of resources
- c. Your services are delivered using minimum natural resources

# GWEITHGAREDDAU A CHAMAU

## ACTIVITIES AND STEPS

### 3. Deunydd pecynn u addas:

Ymhlieth y camau y gall eich cwmni eu cymryd i sicrhau bod y deunydd pecynnu'n diogelu cynnrych a'r amgylchedd, mae:

- a. Gwirio'r deunydd pecynn u a sicrhau ei fod yn bodloni gofynion swyddogaethol
- b. Cyfyngu pwysau pecynn u
- c. Dylunio'r deunydd pecynn u er mwyn iddo gael ei ail-ddefnyddio, ailgylchu neu ei gompostio

### 3. Appropriate packaging:

Steps your company can take to ensure packaging protects products and the environment include:

- a. Packaging is checked to ensure it meets functional requirements
- b. Packaging weight is minimised
- c. Packaging is designed to be re-used, recycled or composted

# GWEITHGAREDDAU A CHAMAU ACTIVITIES AND STEPS

## 4. Trafnidiaeth effeithlon:

Mae'r camau y gall eich cwmni eu cymryd i leihau defnydd o gerbyd a gwella effeithlonrwydd tanwydd yn cynnwys:

- a. Defnyddio cerbydau sy'n effeithlon o ran tanwydd, a'u cadw mewn cyflwr da
- b. Cydlynуть trafnidiaeth cyflenwi a danfon er mwyn lleihau'r tanwydd a ddefnyddir a'r milltiroedd
- c. Rhannu danfoniadau gyda busnesau lleol eraill

## 4. Efficient transport:

Steps your company can take to reduce vehicle use & improve fuel efficiency include:

- a. Fuel efficient vehicles are used and kept in optimum condition
- b. Supply and delivery transport is coordinated to minimise fuel use and mileage
- c. Delivery runs are shared with other local businesses

# GWEITHGAREDDAU A CHAMAU

## ACTIVITIES AND STEPS

### 5. Defnydd a Diwedd Oes:

Mae'r camau y gall eich cwmni eu cymryd i leihau'r defnydd o ynni a gwastraff sy'n deillio o'ch cynnrych a'ch gwasanaethau pan gânt eu defnyddio ac ar ddiwedd eu hoes, yn cynnwys:

- a. Dylunio cynnrych a gwasanaethau i leihau'r ynni a ddefnyddir pan maent yn cael eu defnyddio
- b. Anfon cynnrych sydd wedi cyrraedd diwedd eu hoes at ailgylchwyr arbenigol
- c. Dylunio gwasanaethau i greu isafswm gwastraff, sydd bob amser yn cael ei dynnu o safleoedd cwsmeriaidwyr

### 5. Use & End of Life:

Steps your company can take to minimise energy use and waste arising from your products and services during their use and at end of life include:

- a. Products and services are designed to minimise energy consumption during their use
- b. Products are sent to specialist recyclers when they reach end of life
- c. Services are designed to create minimal waste that is always removed from customer sites

# GWEITHGAREDDAU A CHAMAU ACTIVITIES AND STEPS

## 6. Defnyddio tir, ynni a dŵr yn ddoeth:

Mae'r camau y gall eich cwmni eu cymryd i leihau dibynadwyedd ar adnoddau naturiol yn cynnwys:

- a. Defnyddio arferion rheoli tir cynaliadwy ac annog bioamrywiaeth
- b. Blaenorriaethu ynni adnewyddadwy, effeithlonrwydd ac ailddefnyddio
- c. Adnabod meysydd risg ar hyd eich cadwyn gyflenwi, eich proses ac o fewn eich eiddo

## 6. Using land, energy & water wisely:

Steps your company can take to reduce reliance on natural resources include:

- a. Engaging with sustainable land management practices and encouraging biodiversity
- b. Prioritising renewable energy, efficiency and reuse
- c. Areas of risk are identified along your supply chain, process and within your premises

# GWEITHGAREDDAU A CHAMAU ACTIVITIES AND STEPS

## 7. Atal gwastraff a llygredd:

Mae'r camau y gall eich cwmni eu cymryd i leihau ei effeithiau'n cynnwys:

- a. Adnabod meysydd risg ar hyd eich cadwyn gyflenwi, eich proses ac o fewn eich eiddo
- b. Monitro a chofnodi'r gwastraff a'r llygredd yn rheolaidd
- c. Gosod targedau lleihau

## 7. Preventing waste & pollution:

Steps your company can take to reduce its impacts include:

- a. Areas of risk are identified along your supply chain, process and within your premises
- b. Pollution and waste arising is regularly monitored and recorded
- c. Reduction targets are set

# GWEITHGAREDDAU A CHAMAU ACTIVITIES AND STEPS

## 8. Llesiant staff a'ch cymuned leol:

Mae'r camau y gall eich cwmni eu cymryd i fod yn gymdeithasol gyfrifol yn cynnwys:

- a. Mae cyflogwyr yn cael cyflog byw boddhaol ac yn cael cynnig amodau gweithio hyblyg
- b. Rydych yn cynnig cynnyrch a gwasanaethau sy'n fuddiol i iechyd a llesiant cyhoeddus
- c. Ystyrir eich effaith ar eich cymuned leol o fewn eich cynlluniau busnes

## 8. Well-being of staff and your local community:

Steps your company can take to ensure it is socially responsible include:

- a. Employees are paid a decent living wage and offered flexible working conditions
- b. You offer products and services that benefit public health and well-being
- c. Your impact on your local community is considered in your business planning

# GWEITHGAREDDAU A CHAMAU ACTIVITIES AND STEPS

## 9. Mesur effaith:

Camau y gall eich cwmni eu cymryd i fesur a rheoli effeithiau amgylcheddol a chymdeithasol ei weithgareddau:

- a. Penodi person penodol i reoli eich effeithiau
- b. Monitro a chofnodi gwerth carbon, dŵr a chymdeithasol yn rheolaidd
- c. Rhoi cynllun gweithredu ar waith i wella eich perfformiad

## 9. Measuring impacts:

Steps your company can take to measure and manage the environmental and social impacts of its activities include:

- a. A specific person is assigned to manage your impacts
- b. Carbon, water and social value is regularly monitored and reported
- c. An action plan is in place to improve your performance

# GWEITHGAREDDAU A CHAMAU ACTIVITIES AND STEPS

## 10. Brand a marchnata:

Mae'r camau y gall eich cwmni eu cymryd i gyfathrebu ei arfer da a chael canlyniadau cadarnhaol yn cynnwys:

- a. Adlewyrchir eich arferion da drwy eich hysbysebion
- b. Cyhoeddi eich arferion da, a sicrhau eu bod nhw ar gael i bawb
- c. Rydych yn cael eich cydnabod a'ch cysylltu ag arferion gorau

## 10. Brand & marketing:

Steps your company can take to communicate its good practice and get positive results include:

- a. Your good practices are reflected through your promotions
- b. Your good practices are published and made accessible to all
- c. You are recognised for and associated with best practice

# GWEITHGAREDDAU A CHAMAU ACTIVITIES AND STEPS

Dewiswch hyd at 3 phwynt o'r rhestr sydd fwyaf physig i'ch busnes, yna, cwlhewch y cynllun gweithredu.

<input type="checkbox"/> Gweithio gyda chyflenwyr cyfrifol: Mae eich cwmnï'n cymryd camau i annog arfer da o fewn eich cadwyn gyflenwi.	<input type="checkbox"/> Defnyddio tir, ynni a dŵr yn ddoeth: Mae eich cwmnï'n cymryd camau i leihau dibynadwyedd ar adnoddau naturiol.
<input type="checkbox"/> Cynrych a gwasanethau: Mae eich cwmnï'n cymryd camau i leihau ei ddefnydd o ddeunyddiau a chynhwysion crai i sicrhau bod eich prosesau yn effeithlon.	<input type="checkbox"/> Atal gwastrott a llygredd: Mae eich cwmnï'n cymryd camau i leihau ei effeithiau.
<input type="checkbox"/> Deunydd pecynnau addas: Mae eich cwmnï'n cymryd camau i sicrhau bod y deunydd pecynnû'n diogelu cynrych a'r amgylchedd.	<input type="checkbox"/> Llesiant staff a'ch cymuned leol: Mae eich cwmnï'n cymryd camau i fod yn gymdeithasol gyfrifol.
<input type="checkbox"/> Trafnidiaeth effeithlon: Mae eich cwmnï'n cymryd camau i leihau defnydd o gerbyd a gwella effeithlonwydd tanwydd.	<input type="checkbox"/> Mesur effaith: Mae eich cwmnï'n cymryd camau i fesur a rheoli effeithiau amgylcheddol a chymdeithasol ei weithgareddau.
<input type="checkbox"/> Defnydd a Diwedd Oes: Mae eich cwmnï'n cymryd camau i leihau'r defnydd o ynni a gwastrott sy'n deillio o'ch cynrych a'ch gwasanethau pan gânt eu defnyddio ac ar ddiwedd eu hoes.	<input type="checkbox"/> Brand a marchnata: Mae eich cwmnï'n cymryd camau i godi ymwybyddiaeth am eich arfer da a chael canlyniau cadarnhaol.

**Strategaeth/Cynllun Gweithredu:**

Nod y cynllun gweithredu hwn yw gosod y camau mae eich busnes angen eu cymryd, o'r amserlen, er mwyn cyflawni eich ymrwymiad i'r Addewid Busnes Moesol. Bydd y cynllun gweithredu hwn yn cael ei adolygu'n flynyddol. Fodd bynnag, bydd busnes sydd eisiau cyflawni ei nodau yn adolygu ei weithredoedd a'i ymrwymiadau'n barhaus.

Camau Gweithredu	Erbyn pryd	Cwblihyd gan	Dyddiad Cwbliau

Cymeradwywyd gan	
Rôl	
Dyddiad	
Llofnodwyd	

Please select up to 3 points from the list that are most important to your business, then complete the action plan.

<input type="checkbox"/> Working with responsible suppliers: Your company is taking steps to encourage good practice within your supply chain.	<input type="checkbox"/> Using land, energy & water wisely: Your company is taking steps to reduce reliance on natural resources.
<input type="checkbox"/> Products & services: Your company is taking steps to reduce its use of raw ingredients and materials and to ensure your processes are efficient.	<input type="checkbox"/> Preventing waste & pollution: Your company is taking steps to reduce its impacts.
<input type="checkbox"/> Appropriate packaging: Your company is taking steps to ensure packaging protects products and the environment.	<input type="checkbox"/> Well-being of staff and your local community: Your company is taking steps to ensure it is socially responsible.
<input type="checkbox"/> Efficient transport: Your company is taking steps to reduce vehicle use & improve fuel efficiency.	<input type="checkbox"/> Measuring impacts: Your company is taking steps to measure and manage the environmental and social impacts of its activities.
<input type="checkbox"/> Use & End of Life: Your company is taking steps to minimise energy use and waste arising from your products and services during their use and at end of life.	<input type="checkbox"/> Brand & marketing: Your company is taking steps to raise awareness of its good practice and get positive results.

**Strategy/Action Plan:**

This action plan aims to set out the steps your business needs to take and the timescale, in order to achieve your commitment to the Green Growth Pledge. This action plan will be reviewed annually, however a business wanting to achieve their goals will continually review their actions and commitments.

Action	By when	Carried out by	Date Completed

Approved by	
Role	
Date	
Signed	

# COFRESTRIA SIGN UP

Drwy gofrestru i'r Addewid, mae eich cwmni yn addo i weithredu yn erbyn un neu fwy o ymrwymiadau.

Byddwch hefyd yn cael mynediad at becyn cymorth marchnata wedi'i ddylunio'n benodol i gynnig gwybodaeth ymarferol, canllawiau a logos i helpu eich busnes i hyrwyddo'r camau rydych wedi'u cymryd i ddatgarboneiddio a dod yn fwy cynaliadwy.



By signing up to the Pledge, your company is undertaking to take action against one or more commitments.

You will also gain access to an exclusive marketing toolkit specifically designed to provide practical information, guides and logos to help your business promote the actions you have taken to decarbonise and become more sustainable.

MAE'N GWETHIO  
IT DOES WORK



Busnes | Business  
Cymru | Wales

MAE'N GWETHIO  
IT DOES WORK



Busnes | Business  
Cymru | Wales

# MAE'N GWETHIO IT DOES WORK

- Adeilad cynaliadwy o 1300m<sup>2</sup>
- BREEAM Da lawn – nid oedd y cleient eisio “Rhagorol”
- Isafswm concrit
- Côst o gwmpas £1.9M
- 0.86m<sup>3</sup> o wastaff i tirlenwi
- BS8555 L4
- Wedi'i ddisodli gan ISO 14005:2019 Environmental management systems — Guidelines for a flexible approach to phased implementation
- Synnwyr cyffredin yw'r cyfan!!
- 1300<sup>2</sup> sustainable building
- BREEAM Very Good – client didn't want Excellent
- Minimum concrete
- Circa £1.9M build cost
- 0.86m<sup>3</sup> of waste to landfill
- BS8555 L4
- Now superseded by ISO 14005:2019 Environmental management systems — Guidelines for a flexible approach to phased implementation
- It's all common sense!!

# MAE'N GWETHIO IT DOES WORK

From UK Construction Online May 2014:

A key factor for the Client was sensitivity to neighbouring properties and the impact of the project on the local community. Cabinco used a system of off-site manufacture which both minimised deliveries and use of site machinery to provide a quiet and rapid construction. This more predictable build process also ensure that the project ran on schedule so the new school could open in time and within budget.

Cabinco registered the site under the Considerate Constructors Scheme and were delighted they awarded the site 'Performance Beyond Compliance' in recognition of the high standards of health and safety and professionalism seen.

**As a sustainable construction company, site waste is minimised through choice of materials and off-site manufacture, and with careful planning this was reduced to under half a ton of waste to landfill for the entire works.**

# MAE'N GWETHIO IT DOES WORK

Many other sustainability features were built into the design including the choice of timber as the structural shell. **Timber is a natural product and as it grows it removes carbon from the environment and locks it into the wood – an estimated 106 tonnes of carbon locked into the timber used in the Studio School.**

As timber was the main material on site, any timber waste was segregated and collected for re-use. Cabinco arranged collection by a local community group who use the timber for teaching craft skills within Essex – this further reduces waste to landfill.

Full article here: <https://www.ukconstructionmedia.co.uk/sectors/ockendon-studio-school/>

**R i c h a r d   L l .   F r a s e r - W i l l i a m s**

**Rheolwr Perthynas â Busnesau  
Business Relationship Manager**

**07747 696 135**

**[richard.fraser-williams@businesswales.org.uk](mailto:richard.fraser-williams@businesswales.org.uk)**



**Busnesa**  
gwynedd.llyw.cymru

**UNRHYW GWESTIYNAU?**

Rhowch nhw yn y blwch sgwrsio...

**ANY QUESTIONS?**

Please type in chat box...



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## I ddilyn...

1. Canllaw Arbedion Gwyrdd
2. Taflen Gwybodaeth a Chefnogaeth Bellach
3. Holiadur Adborth

## To follow...

1. Green Savings Guide
2. Further Information and Support Leaflet
3. Feedback Questionnaire



# Busnesa

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CYSYLLTWCH Â / CONTACT

TIM CEFNOGI BUSNESAU  
CYNGOR GWYNEDD  
BUSINESS SUPPORT TEAM

[busnes@gwynedd.llyw.cymru](mailto:busnes@gwynedd.llyw.cymru)

01286 679 231

[www.gwynedd.llyw.cymru/en/busnesau](http://www.gwynedd.llyw.cymru/en/busnesau)  
[www.gwynedd.llyw.cymru/en/businesses](http://www.gwynedd.llyw.cymru/en/businesses)



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gwynedd.llyw.cymru**