

## Advanced Design Engineering (ADE)

### Project Description

ADE is an operation designed to facilitate collaborations between the University and eligible manufacturing companies within Wales. The aim of the operation is to improve and increase each company's capacity and capability to engage with advanced manufacturing technologies and materials, and to facilitate the adoption of advanced manufacturing techniques. In this way, the capacity and capability of companies to innovate and thus achieve sustainable growth can be realised at a time of rapid technological change. The operation is based in the University's specialist centre for research into advanced manufacturing technologies, the Wales Centre for Advanced Batch Manufacture (CBM).

### Delivery Model

#### Step 1: Bespoke Needs Analysis

An in-depth exploration of your business's current situation and where advanced technologies could be introduced.

#### Step 2: Prototype Project

A pilot project lasting anywhere from 6 weeks to 6 months in which new processes are tried and tested.

#### Step 3: Technology Adoption

Converting steps 1 and 2 into meaningful and sustained operational change. ADE can assist the manufacturer in accessing funding and refer to other partners to realise the full potential of this stage.

### Geographical Coverage

The project will benefit all local authorities across Wales.

### Specific Targets

#### West Wales and Valleys Region

56 enterprises receiving non-financial support  
Employment increase in supported enterprises – 7  
35 enterprises supported to introduce new to the firm products  
16 enterprises supported to introduce new to the market products  
4 patents registered for products  
£70k private investment

#### East Wales

24 enterprises receiving non-financial  
Employment increase in supported enterprises – 3  
15 enterprises supported to introduce new to the firm products  
4 enterprises supported to introduce new to the market products  
1 patent registered for products  
£30k private investment

### Contact Details

Andrew Walker  
University of Wales, Trinity Saint David,  
Technium 1,  
Kings Road,  
Swansea,  
SA1 8PH

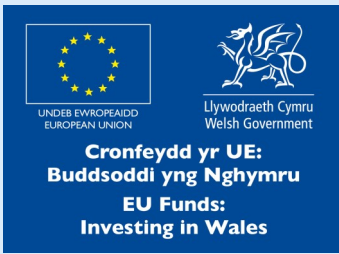
✉ [made@uwtsd.ac.uk](mailto:made@uwtsd.ac.uk)

☎ 01792 481199

🔗 [www.Madecymru.co.uk](http://www.Madecymru.co.uk)

🐦 [@MADECymru](https://twitter.com/MADECymru)

📺 [MADECymru](https://www.youtube.com/channel/UCMADECymru)



## Peirianeg Dylunio Uwch (PDU)

### Disgrifiad o'r Prosiect

Mae PDU yn weithrediad sydd wedi'i ddylunio i hwyluso cydweithio rhwng y Brifysgol a chwmnïau gweithgynhyrchu cymwys yng Nghymru. Diben y gweithrediad yw gwella a chynyddu capasiti a gallu pob cwmni i ymwneud â thechnolegau a deunyddiau gweithgynhyrchu uwch, ac i hwyluso'r broses o fabwysiadu technegau gweithgynhyrchu uwch. Yn y modd hwn, gellir cyflawni capasiti a gallu cwmnïau i arloesi ac felly sicrhau twf cynaliadwy ar adeg lle ceir newid technolegol cyflym. Mae'r gweithrediad wedi'i leoli yng nghanolfan arbenigol y Brifysgol ar gyfer ymchwilio i dechnolegau gweithgynhyrchu uwch, Canolfan Gweithgynhyrchu Arloesol ac Arbrofol Cymru.

### Model Cyflawni

#### Cam 1: Dadansoddiad Pwrpasol o Anghenion

Archwiliad manwl o sefyllfa bresennol eich busnes a lle y gellir cyflwyno technolegau uwch.

#### Cam 2: Prosiect Prototeip

Prosiect peilot sy'n para unrhyw beth o chwe wythnos i chwe mis lle mae prosesau newydd yn cael eu profi.

#### Cam 3: Mabwysiadu Technoleg

Trosi camau 1 a 2 yn newid gweithredol cynaliadwy ac ystyrlon. Gall PDU gynorthwyo'r gwneuthurwr i gael gafael ar gyllid a'i gyfeirio at bartneriaid eraill er mwyn cyflawni potensial llawn y cam hwn.

### Cwmpas Daeryddol

Bydd y prosiect o fudd i bob awdurdod lleol yng Nghymru.

### Targedau Penodol

### Rhanbarth Gorllewin Cymru a'r Cymoedd

56 o fentrau sy'n derbyn cymorth anariannol  
Cynnydd o ran cyflogaeth mewn mentrau a gefnogir—7  
35 o fentrau a gefnogir i gyflwyno cynhyrchion sy'n newydd i'r cwmni  
16 o fentrau a gefnogir i gyflwyno cynhyrchion sy'n newydd i'r farchnad  
4 patentau sydd wedi'u cofrestru ar gyfer cynhyrchion  
£70k buddsoddiad preifat

### Dwyrain Cymru

24 o fentrau sy'n derbyn cymorth anariannol  
Cynnydd o ran cyflogaeth mewn mentrau a gefnogir – 3  
15 o fentrau a gefnogir i gyflwyno cynhyrchion sy'n newydd i'r cwmni  
4 o fentrau a gefnogir i gyflwyno cynhyrchion sy'n newydd i'r farchnad  
1 patent bydd wedi'u cofrestru ar gyfer cynhyrchion  
£30k buddsoddiad preifat

### Manylion Cyswllt

Andrew Walker  
Prifysgol Cymru, y Drindod Dewi Sant,  
Technium 1,  
Heol y Brenin,  
Abertawe,  
SA1 8PH

✉ [made@uwtsd.ac.uk](mailto:made@uwtsd.ac.uk)

☎ 01792 481199

🔗 <https://made.cymru/>

🐦 [@MADECymru](https://twitter.com/MADECymru)

📺 [MADECymru](https://www.youtube.com/channel/UCMADECymru)