

ASTUTE 2020 (Advanced Sustainable Manufacturing Technologies)

Project Description

ASTUTE 2020 can support greater levels of research, development and innovation across a variety of sectors by strengthening knowledge and expertise to create higher-value goods and services, improve efficiency, aiming to drive productivity and growth within the Welsh manufacturing industry.

ASTUTE 2020 collaborations inspire manufacturing companies to improve and streamline their manufacturing processes, manufactured products and supply chain, generating sustainable, higher value goods and services and bringing them to a global market.

Delivery Model

ASTUTE 2020's true industry-academia collaborations provide companies with access to:

- World-class academic experts across a University partnership
- Highly qualified researchers and technical experts
- State-of-the-art research facilities and experimental equipment
- Intelligent systems, advanced techniques and bespoke software

Thereby encouraging stimulation of ideas and facilitating the adoption of change through research, development and innovation (RD&I).

ASTUTE 2020 builds on the most successful aspects of the previous ASTUTE project (2010 – 2015). ASTUTE has successfully demonstrated that we are in an excellent position to support companies via knowledge exchange and

intensive collaborative RD&I projects in manufacturing technologies.

Geographical Coverage

The project will benefit local authority areas across the whole of Wales.

Specific Targets

Activity	Enterprises co-operating with supported research institutions
	Enterprises receiving non-financial support
Innovation	Patents registered for products/ processes
	Private investment matching public support in innovation or R&D projects
	Enterprises supported to introduce new to the firm products/processes
	Enterprises supported to introduce new to the market products/ processes
Growth	Employment increase in supported enterprises
Long Term Benefits	Further increase in employment
	Increased investment by the company
	Increased spend by the company in local supply chain
	Increased external investment into the company
	Predicted increase in sales revenue
	Predicted increase in export revenue
	Savings in energy, GHG emission and waste

Contact Details

Rhian Jeffs
Swansea University Bay Campus
College of Engineering – Engineering Central
A114
Fabian Way
Swansea
SA1 8EN

 info@astutewales.com

 01792 606378

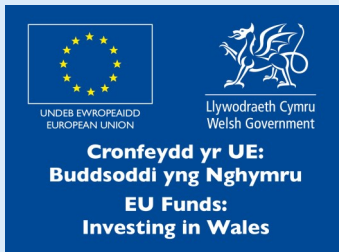
 www.astutewales.com

 [Astute Wales](https://www.facebook.com/AstuteWales)

 [@astutewales](https://twitter.com/astutewales)

 [Astute 2020](https://www.youtube.com/Astute2020)

 [Astute Wales](https://www.youtube.com/AstuteWales)



ASTUTE 2020 (Uwch dechnolegau Gweithgynhyrchu Cynaliadwy)

Disgrifiad o'r Prosiect

Gall ASTUTE 2020 gefnogi lefelau uwch o ymchwil, datblygu ac arloesi ar draws amrywiaeth o sectorau drwy gryfhau gwybodaeth ac arbenigedd i greu nwyddau a gwasanaethau o werth uwch a gwella effeithlonrwydd gyda'r nod o ysgogi cynhyrchiant a thwf yn y diwydiant gweithgynhyrchu yng Nghymru.

Mae cydweithrediadau ASTUTE yn ysbrydoli cwmnïau gweithgynhyrchu i wella a moderneiddio eu prosesau gweithgynhyrchu, eu cynnyrch gweithgynhyrchu a'u cadwyn gyflenwi, gan greu nwyddau a gwasanaethau sy'n gynaliadwy ac o werth uwch, a'u cynnig i farchnad fyd-eang.

Model Cyflawni

Mae cydweithrediadau gwirioneddol ASTUTE 2020 rhwng diwydiant ac academi yn darparu i gwmnïau:

- Arbenigwyr academiaidd o safon fyd-eang ar draws bartneriaeth prifysgol
- Ymchwilwyr ac arbenigwyr technegol â chymwysterau rhagorol,
- Cyfleusterau ymchwil a chyfarpar arbrosi heb eu hail
- Systemau clyfar, uwch dechnegau a meddalwedd bwrpasol

Trwy hynny, mae'n ysgogi datblygiad o syniadau ac yn hwyluso'r broses o fabwysiadu newid drwy waith ymchwil, datblygu ac arloesi.

Mae ASTUTE 2020 yn ychwanegu at agweddau mwyaf llwyddiannus y prosiect ASTUTE blaenorol (2010 – 2015). Mae ASTUTE wedi bod yn llwyddiannus yn dangos ein bod ni mewn sefyllfa ragorol i gefnogi cwmnïau drwy gyfnewid gwybodaeth a phrosiectau cydweithredol dwys ym maes ymchwil, datblygu ac arloesi

technolegau gweithgynhyrchu.

Cwmpas Daearyddol

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

Targedau Penodol

Gweithgaredd	Mentrau sy'n cydweithio â sefydliadau ymchwil a gefnogir
	Mentrau sy'n cael cymorth nad yw'n ariannol
Arloesedd	Patentau cofrestredig ar gyfer cynhyrchion/prosesau
	Buddsoddi preifat sy'n cyfateb i gymorth cyhoeddus mewn prosiectau arloesi neu ymchwil a datblygu
	Mentrau a gefnogir i gyflwyno cynhyrchion/prosesau newydd i'r cwmni
	Mentrau a gefnogir i gyflwyno cynhyrchion/prosesau newydd i'r farchnad
Twf	Cynyddu cyflogaeth mewn mentrau a gefnogir
Hirdymor Manteision	Cynnydd pellach mewn cyflogaeth
	Mwy o fuddsoddiad gan y cwmni
	Mwy o wariant yn y gadwyn gyflenwi leol gan y cwmni
	Mwy o fuddsoddiad allanol i'r cwmni
	Cynyddu refeniw gwerthiannau a ragfynegwyd
	Cynyddi refeniw allforio a ragfynegwyd
	Arbedion o ran ynni, allyriadau nwyon tŷ gwydr a gwastraff

Manylion Cyswllt

Rhian Jeffs
Prifysgol Abertawe Campws y Bae
Coleg Peirianeg – Canolfan Beirianeg A114
Ffordd Fabian
Abertawe
SA1 8EN

 info@astutewales.com

 01792 606378

 www.astutewales.com

 [Astute Wales](https://www.facebook.com/AstuteWales)

 [@astutewales](https://twitter.com/astutewales)

 [Astute 2020](https://www.youtube.com/Astute2020)

 [Astute Wales](https://www.youtube.com/AstuteWales)