

BUILD

A FUTURE-PROOF WORK FORCE, TODAY

**Fully
Funded***

Short & Flexible University Course:

CONTINUOUS IMPROVEMENT WITH INDUSTRY 4.0

- » Quality Six Sigma Green Belt
- » Group Project

“ The MADE Cymru team at UWTSO really understand manufacturing and have put their years of experience into the ‘Continuous Improvement with Industry 4.0’ course. We need to grow manufacturing in Wales, now more than ever. This is an easy way to invest in your staff and your organisation for the future. ”

Jack Yates, Managing Director at Hi-Mark Automotive.



Prifysgol Cymru
Y Drindod Dewi Sant
University of Wales
Trinity Saint David



Future-proof your team with MADE Cymru

In the constantly evolving world of manufacturing, Continuous Improvement with Industry 4.0 is an opportunity to explore new Industry 4.0 digital technologies that can aid our Continuous Improvement journey, having the potential to increase efficiency, maximise productivity and future-proof our manufacturing industry.

Green Belt Six Sigma

Topics include:

- » Six Sigma DMAIC Process; Define, Measure, Analyse, Improve and Control.
- » Topics such as Process Flow, Voice of the Customer, Measurement Systems, Process Capability, Nelson's Rules, Data Visualisation, Root Case Analysis, Design of Experiments and Risk Management etc.
- » Effective application of these tools to support each phase of a Six Sigma project.
- » Identification of relevant Industry 4.0 technologies to support Continuous Improvement.
- » Integration of Industry 4.0 technologies for existing and legacy equipment.

Group Project

Topics include:

- » Deployment of Industry 4.0 technologies with Six Sigma disciplines in workplace-based projects.
- » Introduction to Team Working methodologies, including team roles and responsibilities.
- » Six Sigma Six Panel reporting methods and presentations.
- » Fortnightly project tutorials with Continuous Improvement practitioners.

Group projects that deliver economic impact

Students participating in our group projects bring real economic benefits to the companies they work for. Knowledge and skills acquired on a Friday afternoon can be put into practice at work as soon as the following Monday, providing a truly practical and beneficial learning process for participants and their employers. We support these Continuous Improvement projects through fortnightly project tutorials with experienced Continuous Improvement practitioners.

Upskilling your workforce shouldn't be disruptive to your business, so we've made it as easy and flexible as possible for you.

*For eligible businesses, please contact us for more information.

A flexible way to learn while you work

We run our online sessions on Friday afternoons each week, and our virtual learning environment means you can attend lectures from anywhere, with real-time communication and collaboration taking place online between course participants.

The cohorts are made up of students from different roles, backgrounds and manufacturing sectors, this brings a richness to the cohort and the learning.

Students finish the 32 week course with a University of Wales Trinity Saint David (UWTSD) accredited qualification, but won't need to wait until the programme is complete to apply the skills learned straight away.

MADE Cymru is a suite of programmes designed to navigate organisations through Industry 4.0 via collaborative research & development and upskilling. Part/Fully Funded by the European Social Fund/European Regional Development Fund through the Welsh Government.

Full list of UWTSD certified courses offered by MADE Cymru:

- » **Continuous Improvement with Industry 4.0**
(Certificate 40 credits Level 5)
- » **Smart Manufacturing with Industry 4.0**
(Certificate 40 credits Level 7)
- » **Industry 4.0 Advanced Manufacturing** (MSc Level 7)
(option to study individual modules if desired)
- » **Business Improvement with Innovation Management**
(Certificate 40 credits Level 7)
- » **International Innovation Management** (MSc Level 7)



In addition to learning opportunities, we also invite manufacturers to take part in our ADE collaborative R&D programme where you can benefit from the support and expertise of our team, who use their knowledge and experience to offer a wide range of approaches and technologies that could help you bring your prototype or concept to life.

The MADE Cymru team has a solid track record of working with companies and stakeholders in the sector and can help facilitate collaborations or offer advice and referrals. We can support you in navigating the challenges of modern manufacturing and assist you in finding the solution you need.

Get in contact, call **01792 481199**, email **MADE@uwtsd.ac.uk** or visit **www.madecymru.co.uk**