

# Sustainable Manufacturing in your business

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Innovation Manger



# SUSTAINABLE MANUFACTURING DRIVERS

## Legislation

- Net Zero 2050
- Ban on ICE cars in UK from 2030
- 10 point green plan



## Customer

- Increased demands on supply chain
- New customers



Sustainable  
Manufacturing

- Increase efficiency
- Reduce waste
- Brand reputation



## Commercial Opportunity

- Carbon output
- Water consumption
- Material to landfill



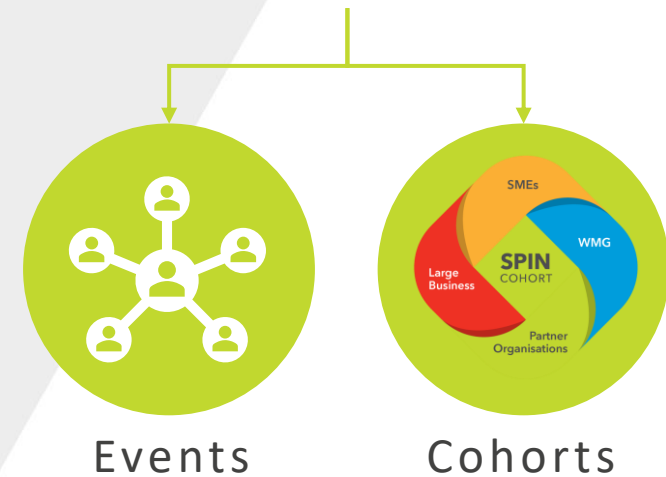
## Environmental Benefit

# SUSTAINABLE MANUFACTURING

- How to make the **first step** and knowing **where to start**
- Difficulties in an organisation's ability to change **sustainability culture** across the entire organisation
- Sustainability initiatives need to keep up with the **fast pace** of the business
- Flow down of **regulations** and **standards**

## SPIN

Sustainable Production  
Innovation Network



## Sustainable Production Innovation Network (SPIN) Event

Theme: Sustainable Processes

**EFFICIENT AND EFFECTIVE  
MANUFACTURING**

**6<sup>th</sup> May 2021 | 3.00 - 4.30pm**

Join the discussion at our third interactive online event.  
We're looking at **efficiency improvements in manufacturing.**

**WMG**  
THE UNIVERSITY OF WARWICK

- Raise awareness of **SUSTAINABLE MANUFACTURING PRACTICES** with SMEs
- **INFORMAL SESSION** with mixture of discussion and presentations
- Previous themes include *Introduction to Sustainable Manufacturing* and *Post-industrial waste materials*
- **NEXT SPIN EVENT**, Thursday 6th May. Theme "**Sustainable Processes: Effective and Efficient Manufacturing**"
- Find out more:  
<https://warwick.ac.uk/fac/sci/wmg/mediacentre/wmgevents/?calendarItem=8a17841a76bd9dbc0176d85222773649>

# SPIN COHORT

Manufacturer cohorts coming together to:

- gain **knowledge**
- implement **change**
- **grow** their business through sustainable manufacturing practices.



Peer to Peer working

3-6 months duration

20hours commitment for SME, 10hours for large business

## What's in it for me?



### ► Innovation Project

Work with WMG to introduce technical innovation to your business for a positive impact on both environment and profit



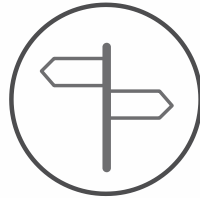
### ► Energy Survey

Factory energy assessment and access to grants to part fund any improvements identified



### ► Collaboration Events

Collaboration events with expert speakers and workshops on sustainability topics relevant to the sector



### ► Road Map

With the cohort, generate a 10 year roadmap and action plan for your business to capitalise on further opportunities



### ► Net Zero Readiness Assessment

Online tool to assess how your business is prepared to meet net zero greenhouse gas emissions targets



### ► Best Practice Visit

Observe sustainability innovations in practice at UK Manufacturing businesses.

- For more information:
- [H.C.C.Simmonds@warwick.ac.uk](mailto:H.C.C.Simmonds@warwick.ac.uk)

# CURRENT COHORT



JCM FINE JOINERY



FOR THE LOVE OF WOOD



# CASE STUDY – DELTA WASTE MANAGEMENT

## Challenge

- Delta Waste Management reprocess plastic products using conventional plastic processing methods
- Skilled in collection, size reduction and sorting of waste plastic
- Needed to characterise the materials for onward sale and use

## Solution

- WMG Characterised the plastics into families, determining physical and thermal properties
- Demonstrated reprocessing of the waste materials

## Impact

- Material datasheets for publication to customers
- Moulded demonstrator samples
- Save ~ 3,000 tonnes of waste from landfill with material reprocessing





# WAYS TO WORK WITH WMG

## COHORTS

- **Find out more** about SPIN cohorts
- **Apply** for your place in our next cohort
- **Contact** Helena Simmonds [h.c.c.simmonds@warwick.ac.uk](mailto:h.c.c.simmonds@warwick.ac.uk)

## ATTEND

- **Join us** at the next SPIN event (May 6<sup>th</sup>2021)
- Theme – **Sustainable processes:** Efficient and effective manufacturing
- **Registration** now open

## FIND OUT MORE

- For more information **visit** <https://warwick.ac.uk/fac/sci/wmg/business/innovationexperience/spincohortsandevents/>

**Contact:** [wmgsm@warwick.ac.uk](mailto:wmgsm@warwick.ac.uk)