

NMIS

National Manufacturing
Institute Scotland

Smart Manufacturing (SmartMan) Centre And Smart Manufacturing Ecosystem Centre

Invitation to manufacturers to help
shape strategy for new Centres
dedicated to industrial robotics &
digital systems research

nmis.scot



New centres focussed on automation, robotics and digital systems research

EPSRC Manufacturing Made Smarter Research Centres challenge

As applications into this funding challenge, Strathclyde University are partnering with other UK institutes leading in digital manufacturing technologies, to develop centres enabling UK manufacturing sector transition to Industry 4.0. The Centres are:

	SmartMan Centre	Smart Manufacturing Ecosystem Centre
<i>Focus research area</i>	<ul style="list-style-type: none"> • Smart Collaborative Industrial Robotics Research 	<ul style="list-style-type: none"> • Digital systems optimisation both within individual Smart Factories and across wider Connected Supply Chains
<i>What will be the focus of activities?</i>	<ul style="list-style-type: none"> • Smart, connected factory • Connected and versatile supply chain • Adaptable, flexible manufacturing operation and skills • Societal and cultural change 	<ul style="list-style-type: none"> • Smart digital systems within and between supply chain organisations • Research programmes addressing trust and security in data / information sharing and utilisation of open standards
<i>How can the industry get involved?</i>	<ul style="list-style-type: none"> • Participate to workshops (<u>by 10th Dec., 2020</u>) to identify manufacturing challenges the Centres can focus their research strategy on • Become consortia members and co-develop demonstrator solutions with technologists from the Centre 	



Excellence in automation, robotics & digital manufacturing systems in Centres: current examples

SmartMan Centre

1. A Smart And Flexible Automation System for High Value Cake Manufacturing
2. [AgriRover](#): a mechatronic platform from space robotics for precision farming
3. [CLASS](#) project: developing high-volume manufacturing process for lightweight cars by Warwick Manufacturing Group ([WMG](#))
4. [VENTURER](#) and [Flourish](#) projects: safe development and trialling of connected and autonomous vehicles by Bristol Robotics Lab ([BRL](#)).
5. [MIMRee](#) project: autonomous robotic inspection and repair solution for offshore wind farms by BRL.

Smart Manufacturing Ecosystem Centre

1. [ASTUTE](#) project: Embedding Advanced and Sustainable Technologies into Welsh Manufacturing Industries across Wales
2. [SUSTAIN](#) project: Transform the productivity, product diversity and environmental performance of the steel supply chain in the UK
3. [IMPACT](#) project: Innovative materials via precision additive coating technologies: SME outreach support programme
4. [RESuME](#): **R**esource **E**fficient **S**upply and **M**anufacturing **E**nvironment



Interested to join our exciting Centres? For more information

Contact (before 10th December, 2020)

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