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Made Smarter Innovation: Centre for People-Led Digitalisation

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The Opportunity

The Made Smarter Review (2017) estimated there to be £455 billion of value (over a 10 year period) to be realised through the early adoption of digital technologies in UK manufacturing. This includes not only economic benefits but environmental (e.g. lower carbon) and societal (e.g. higher paid jobs).

The Challenge

The UK is not adopting digital technologies as quickly as our competitors.

The Response

Change Management process with people at the heart of the solution – realising the potential of digitalisation













Industry Partners:

We work in close partnership with industry to sustain and grow an enduring competitive advantage, by enabling digitally engaged people and processes for UK Manufacturing.



Transdisciplinary Research Team:

 <p>Aida Garcia Lazaro</p> <p><i>Economics</i></p> <p>Impact of digitalisation on the skills change and the labour market; outsourcing of tasks abroad.</p>	 <p>Beate Ehrhardt</p> <p><i>Data Science</i></p> <p>Expertise to support projects as required.</p>	 <p>Begüm Kilic Ararat</p> <p><i>Management</i></p> <p>Challenges of digital technology adoption in manufacturing.</p>	 <p>Boroto Hwabamungu</p> <p><i>Information Systems</i></p> <p>Stakeholders and power. Comparative assessment of digitalisation across the health and construction sectors.</p>	 <p>Claire Palmer</p> <p><i>Digital Engineering</i></p> <p>Digital manufacturing, digital twin architecture, knowledge modelling.</p>	 <p>Elizabeth Argyle</p> <p><i>Human Factors</i></p> <p>Socio-technical system and design analysis, application of Safety II thinking, development of HF reusable methods.</p>	 <p>Fortune Nwaiwu</p> <p><i>Economics & Management</i></p> <p>Metrics and measurements</p>	 <p>Laura Smyth</p> <p><i>Policy</i></p> <p>Expertise to support project as required.</p>	 <p>Setia Hermawati</p> <p><i>Human Factors</i></p> <p>Socio-technical system and design analysis, application of Safety II thinking, development of HF reusable methods.</p>	 <p>Zihan Wang</p> <p><i>Management</i></p> <p>New working spaces (e.g. fab labs & makerspaces). Their impact on digital skills / implications for the manufacturing sector</p>	<p>26 academics</p> <p>15 PhDs</p>
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