

## **EXCELLENCE IN MATERIALS AND PROCESS INNOVATION**

## **CIRCULAR ECONOMY GROUP**

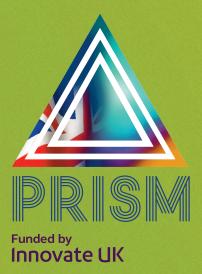
THE CIRCULAR ECONOMY		e, emissions and energy leakage through epair, reuse, remanufacturing, refurbishing, > Industrial Symbiosis > Material Valorisation
	INDUSTRIAL DECARBONISATION GROUP	
<b>C</b> INDUSTRIAL DECARBONISATION	<ul> <li>Lowering fuels bills and carbon emissions through efficiency, innovation, and fuel transitions.</li> <li>Energy Efficiency and Heat Recovery</li> <li>Decarbonisation Roadmapping and Reporting</li> <li>Fuel Switch De-risking</li> <li>CFD Furnace Modelling for Hydrogen or Electric Heating Transitions</li> <li>Pilot Innovation Space</li> </ul>	
	DIGITAL TECHNOLOGIES GRO	DUP
DIGITAL TECHNOLOGIES	<ul> <li>Utilising digital technologies to o advanced materials.</li> <li>Process Audits</li> <li>Data Collection</li> <li>3D Scanning</li> <li>Sensor Development</li> </ul>	<ul> <li>ptimise industrial processes and develop</li> <li>Industrial Internet of Things</li> <li>Digital Twins</li> <li>Machine Learning Models</li> <li>Augmented Reality</li> </ul>
	ADVANCED MATERIALS GROUP	
ADVANCED MATERIALS	<ul> <li>Developing advanced materials and researching how new and innovative materials can be used more efficiently and effectively.</li> <li>Materials Development</li> <li>Materials Characterisation</li> <li>Non-Routine Analysis</li> <li>Powder Metals and Additive Manufacturing</li> </ul>	



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## PRISM is a Programme of Research and Innovation for the UK Steel and Metals Sector

Improving the competitiveness of the steel and metals sector by providing funding through the Materials Processing Institute for research and innovation services in the areas of:

- > Transition to a Low Carbon Economy
  - > Digitalisation
    - > Circular Economy in Metals

Contact the Materials Processing Institute to find out about accessing matched funding for collaborative or private projects



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