

	CROSS CUTTING THEMES		OTHER APPLICABLE SECTORS
HIGH VALUE DESIGN	METHODS & TOOLS	<ul style="list-style-type: none"> <li>+ USE OF IN-SERVICE DATA FOR DESIGN</li> <li>+ IN SERVICE &lt;-&gt; DESIGN FEEDBACK LOOP</li> <li>+ DIGITAL TWIN &amp; VIRTUAL SIMULATION</li> </ul>	
	STANDARD AND CERTIFICATION	<ul style="list-style-type: none"> <li>+ VIRTUAL TESTING</li> <li>+ VIRTUAL CERTIFICATION</li> </ul>	
	INFRASTRUCTURE	<ul style="list-style-type: none"> <li>+ MAINTAIN AND BUILD WIND TUNNEL CAPABILITIES</li> <li>+ MAINTAIN AND BUILD STRUCTURAL TEST CAPABILITY</li> <li>+ DEVELOP FACILITIES FOR HIGH VOLTAGE SYSTEM TESTING</li> </ul>	
ADVANCED MANUFACTURING	MATERIALS	<ul style="list-style-type: none"> <li>+ OPTOMISED COMPOSITE USAGE</li> <li>+ AUTOMATED METAL ALLOY DISCOVERY AND DEVELOPMENT</li> </ul>	
	MANUFACTURING & ASSEMBLY	<ul style="list-style-type: none"> <li>+ RAPID INSPECTION &amp; NDE/NDT</li> <li>+ IN-LINE PRODUCT &amp; PROCESS VERIFICATION</li> <li>+ ONE WAY ASSEMBLY</li> <li>+ FULLY AUTOMATED AND FLEXIBLE CELLS</li> </ul>	
	INDUSTRY 4.0	<ul style="list-style-type: none"> <li>+ CONNECTED MACHINES AND FACTORIES</li> <li>+ DYNAMIC FACTORY SIMULATION AND MODELLING</li> <li>+ INTEGRATED SUPPLY CHAIN</li> </ul>	
THROUGH LIFE ENGINEERING	MRO	<ul style="list-style-type: none"> <li>+ PREDICTIVE MAINTENANCE</li> <li>+ DIGITALLY LINKED VEHICLES AND MRO CAPABILITY</li> </ul>	
	DIGITALLY ENHANCED VEHICLE	<ul style="list-style-type: none"> <li>+ INTEGRATED VEHICLE HEALTH MONITORING</li> <li>+ STRUCTURAL HEALTH MONITORING</li> </ul>	
	END OF LIFE	<ul style="list-style-type: none"> <li>+ RECYCLABILITY OF COMPOSITES, METALS &amp; PLASTICS</li> <li>+ CIRCULAR ECONOMY</li> </ul>	

KEY	AUTOMOTIVE	SPACE	CONSTRUCTION	NUCLEAR	OIL & GAS	OFF-SHORE RENEWABLES	AGRICULTURE
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