

Digital manufacturing

July 2025

Digital manufacturing roadmap

	Short term	Medium term	Long term
Industry challenges	Digital mindset (culture)		
	Future proofing		
	Skills challenge		
	Data driven decisions		
		Digital circularity	
		Business models	
		Horizon challenging	
	Legislation		
	Data governance		
	Productivity and competitiveness		
Technology capabilities	Adaptive systems		
	Agile and trusted value networks		
	AI empowered manufacturing (data driven)		
	Data governance		
	Demonstrate to adopt digital		
	Developing HVM Catapult cyber security framework and knowledge		
	Digital architecture for develop, deploy, demonstrate		
	LCA tools		
	Skills (AI) - Data competence leadership and guidance		
		Thought leadership on interoperability and demonstration	
HVM Catapult developments	Data assurance		
	Life cycle tools		
	Repositories 'as a service'		
	Demonstrate/test capability		
	Ecosystem – finance		
	Modelling and simulation		
	Academic relationships		
	Ecosystem standards		
	Working with vendors		
	Connectivity		
	Data capture		
	Digital stack tools		
	Knowledge capture		
	Skills development		
			Applied AI

