

## Seminar: What does it take to achieve material intelligence?

November 8, 2017. The Manufacturing Technology Centre, Coventry.

09:30	<b>Welcome and introductions</b>		
09:45	<b>Welcome and overview</b>		
10:00	<b>Developing your organisation's 'materials IQ':</b> Could your organization be more effective in how it captures, manages, and applies materials knowledge? We'll introduce five factors to think about as you improve your company's material intelligence. We'll dig into these issues more throughout the day.		
10:30	<b>Keynote guest case study</b>		
11:00	<b>Coffee</b>		
	<b>Stream 1: Informing materials selection and conceptual design</b>	<b>Stream 2: Building up your organization's material intelligence</b>	<b>Stream 3: Enterprise-wide material intelligence</b>
11:30	<b>Demonstration:</b> Using materials to innovate and evolve products.	<b>Demonstration:</b> From testing to design – managing the material data lifecycle.	<b>Demonstration:</b> Consistency in material definitions across CAD, CAE, and PLM – why it matters and how to achieve it.
11:55	<b>Industry case study:</b> Hear from a leading engineering enterprise.	<b>Industry case study:</b> Hear from a leading engineering enterprise.	<b>Industry case study:</b> Hear from a leading engineering enterprise.
12:15	<b>Discussion:</b> Introducing new materials – What are the challenges? How do we avoid them?	<b>Discussion:</b> Barriers to effective materials data management, and how to remove them.	<b>Discussion:</b> What are the key requirements for materials data and tools across the company?
12:45	<b>Lunch and networking opportunity</b>		
13:40	<b>Demonstration:</b> Finding a drop-in replacement for an existing product.	<b>Demonstration:</b> Insight, innovation, and qualification for advanced applications such as Additive Manufacturing and Composites.	<b>Demonstration:</b> Minimising regulatory and environmental risk for materials, specifications, designs, and products.
14:00	<b>Discussion:</b> Responding to supply-chain issues – how can we minimize disruption?	<b>Discussion:</b> How to ensure a robust materials information strategy for new projects and emerging technologies.	<b>Discussion:</b> Connecting the material and product domains: challenges and solutions.
14:30	<b>Closing round table discussion:</b> what were the key lessons from today?		
15:00	<b>Formal seminar closes. Coffee and opportunity for informal discussion</b>		