



Manufacturing New Technologies

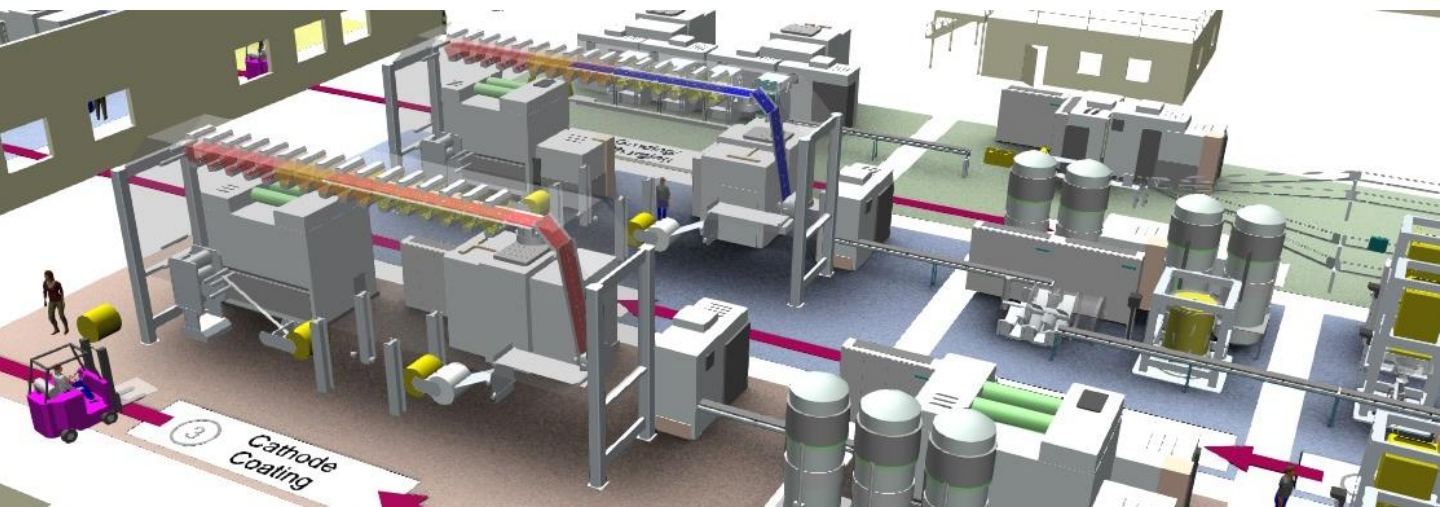
To drive UK manufacturing by developing capabilities, upscaling and process optimisation

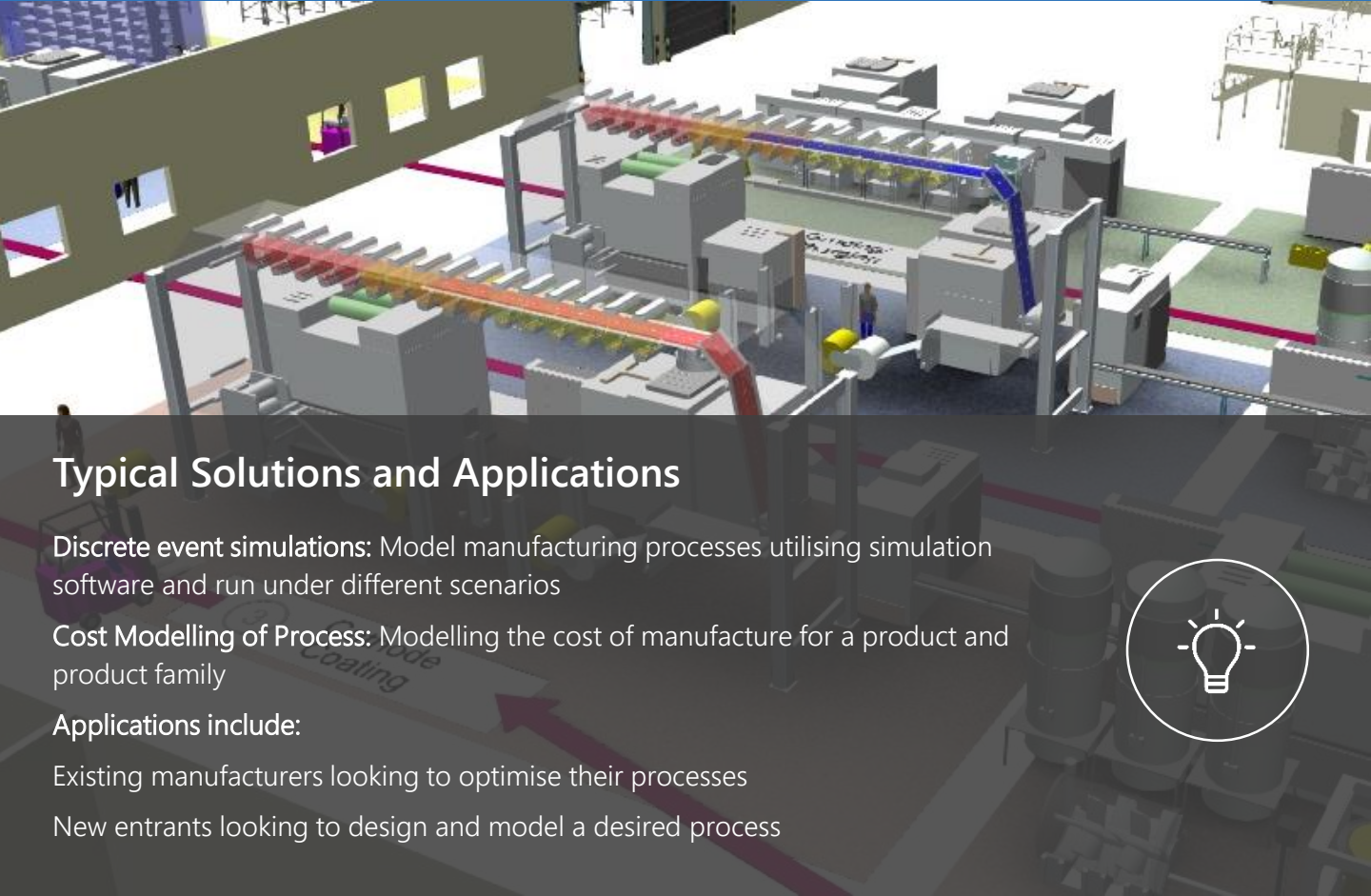
Process Simulation

The creation of a model based representation and simulation of your production line

Benefits to Customers

- Understand the production line flow and identify critical manufacturing steps
- Determine overall throughput
- Identify opportunities for manufacturing process improvement
- Identify high cost processes
- Determine future cost of manufacturing parts and systems
- Develop opportunities to improve manufacturing whilst lowering cost





Typical Solutions and Applications

Discrete event simulations: Model manufacturing processes utilising simulation software and run under different scenarios

Cost Modelling of Process: Modelling the cost of manufacture for a product and product family

Applications include:

Existing manufacturers looking to optimise their processes

New entrants looking to design and model a desired process



Technical Description

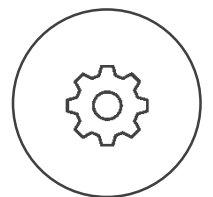
Conduct visits to manufacturers

Identification of all manufacturing steps and resources needed

Virtual modelling of production line

Run verification of a manufacturing process

Simulate process under different manufacturing scenarios



Technical Contacts

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