



Authentise Ltd (UK)
Potential Project
Concepts



smart

advanced manufacturing

- SME Software company providing “Data-Driven Workflow Management” for manufacturing companies
- 30 people world-wide
- Involved in running 4 previous UK, EU and US grant funded R&D projects

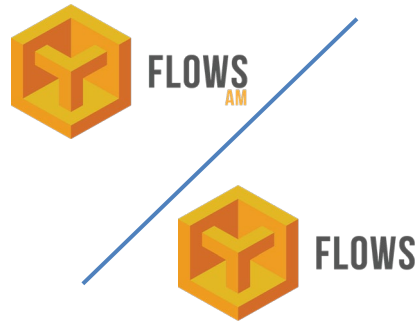
1 Agile Engineering Collaboration



THREADS

Manage the most flexible engineering & manufacturing processes such as R&D, field maintenance, Non-conformance and more.

2 End-to-End Production Process Management



Manage Orders from Quoting to Shipment using Machine Data.

3 Standalone Tools for Specific Workflows



MATERIAL MANAGEMENT

Manage & Track Material Genealogy & Inventory



DIGITAL WAREHOUSING

Securely Share & Assess Designs. Create a Hub of Ideas.



DATA CONNECTOR

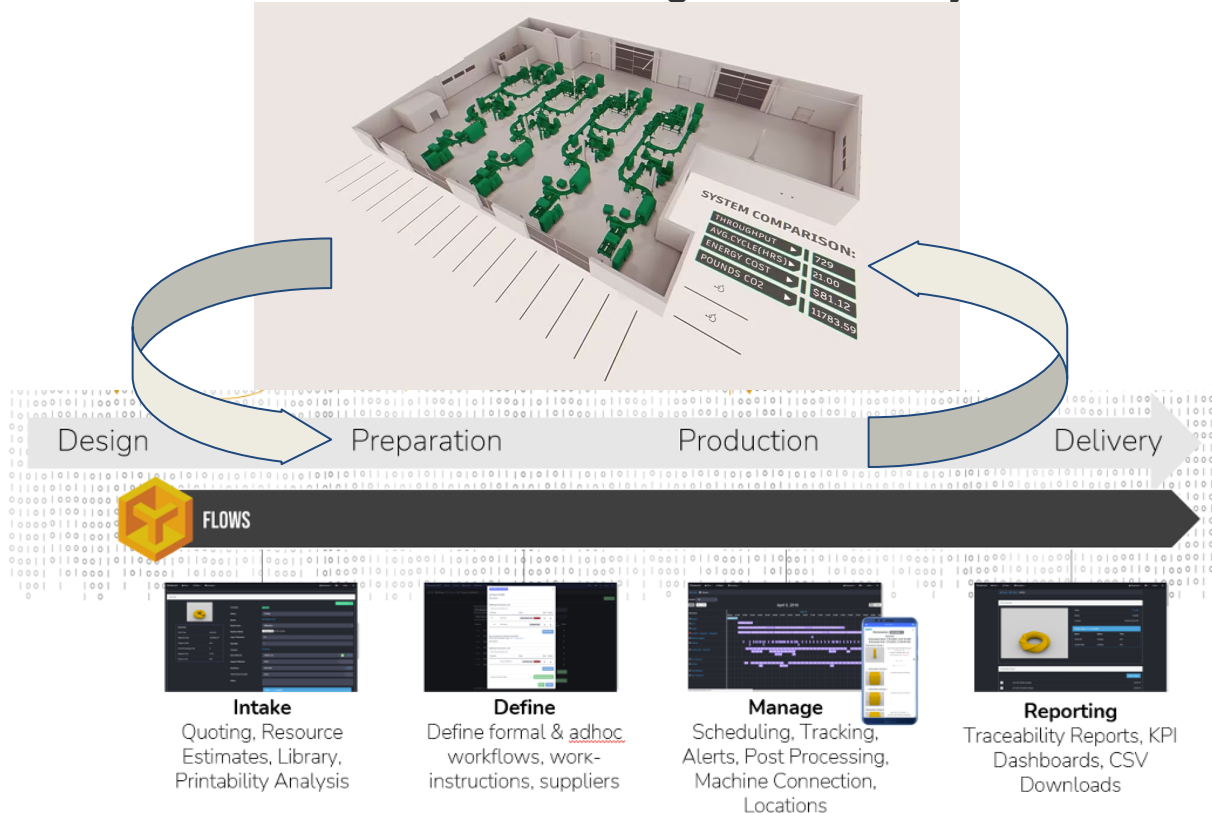
One API to connect all your machines on the shop floor.



RFQ RESPONDER

In-depth Quoting for Engineering Applications

Continuous Digital Factory Optimisation - Feedback loop between factory level simulation and manufacturing execution systems



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Vision:

- To create a seamlessly integrated digital environment where manufacturing execution systems (MES) and factory-level simulations work in real-time to optimize production processes

Motivation:

- Improve efficiency, quality, and flexibility in manufacturing processes by leveraging the power of simulation-driven optimization and data-driven decision-making.

Expected outcome:

- Enhanced operational efficiency through optimized scheduling, resource allocation, and process adjustments.
- Increased flexibility to rapidly adapt to changing market demands and process variations
- Data-driven decision-making based on real-time insights into factory performance

Impacts:

- Cost reduction through reduced downtime, improved resource utilization and optimized processes
- Competitiveness through continuous improvement

Schedule:

- TBD - 18 to 24 months

Partner Requirement/Roles:

- Demonstration partners (job shop with AM would be ideal)
- R&D Centre(s)/ Academia related to discrete factory/event simulation

CONTACT INFO

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You partner for
Digitally scaling
manufacturing
Innovations

Other Research Interests:



People, Software, Machine
& Device connectivity



Compliance, Tracking
& Genealogy



Agile Digital
Thread



Data Driven
Insights & Analytics



Materials, Assets Tracking &
Management



Closed Loop Design,
Test & Manufacturing



Distributed
Supply Chain
Execution



Lifecycle
Sustainability &
Costing

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