



“Infinite” from CAE Tech
Automating mass-customisation



smart

advanced manufacturing

ORGANISATION PROFILE

CAE Tech Limited

United Kingdom

4 employees in UK, 3 contractors in Poland

CAE Tech develops cloud-based software for manufacturers of build-to-order or mass-customisable products

R&D Experience

New to Eureka and collaborative programs, experienced with UK R&D programs

- Made Smarter Technology Accelerator
- Made Smarter Smart Factory Innovation Hub
- Innovate UK Fast Start Grant
- UKAEA Fusion Industry Program

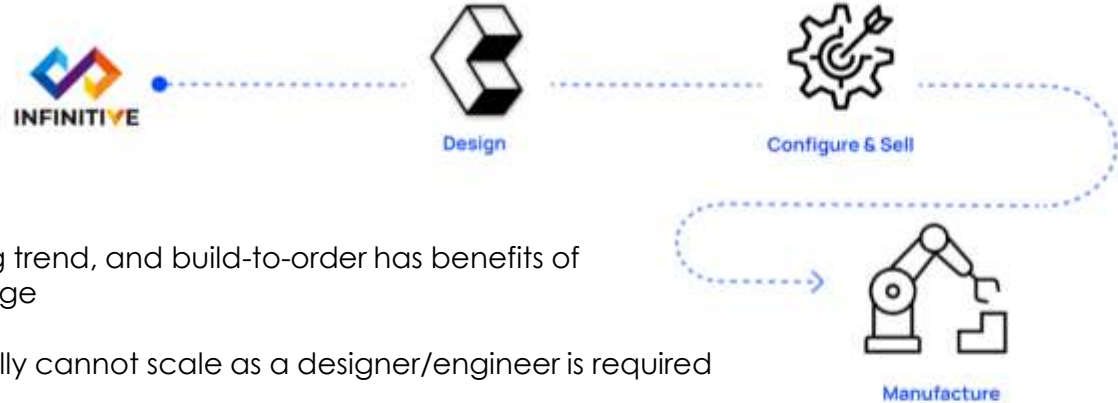


PROPOSAL INTRODUCTION (I)

Vision:

The **Infinite** platform supports e-commerce of **build-to-order** and **mass-customisable** products, feeding directly to manufacturing and ERP software

The goal is to **automate** the next step to achieve **mass-production efficiency**



Motivation:

Product **personalisation** is a growing trend, and build-to-order has benefits of minimizing material and energy usage

Build-to-order manufacturers typically cannot scale as a designer/engineer is required in the loop of each sale

Content:

This project will develop automated manufacturing technology for chosen industries to achieve end-to-end automation of build-to-order products

PROPOSAL INTRODUCTION (II)

Expected outcome:

The project will enable

- At least 1 manufacturing domain (e.g. robotic assembly, CNC cutting/bending/welding) to be automated from the point of customer-choice to created product
- At least 1 manufacturer use-case developed

Impacts:

Manufacturers will be able to grow through more scalable processes

Vendors of manufacturing hardware or software will be able to support build-to-order

Schedule:

TBD



Proof of Concept

PARTNERS

Current Consortium:

CAE Tech

Possibly The Manufacturing Technology Centre (MTC, Coventry UK) or Advanced Manufacturing Research Centre (AMRC, Sheffield)

Partner Search:

We are looking outside the UK for:

Manufacturers of build-to-order products

Vendors of manufacturing hardware or software

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