



HSSMI



CIRCULAR ECONOMY

BOOTCAMP

WHO ARE WE?

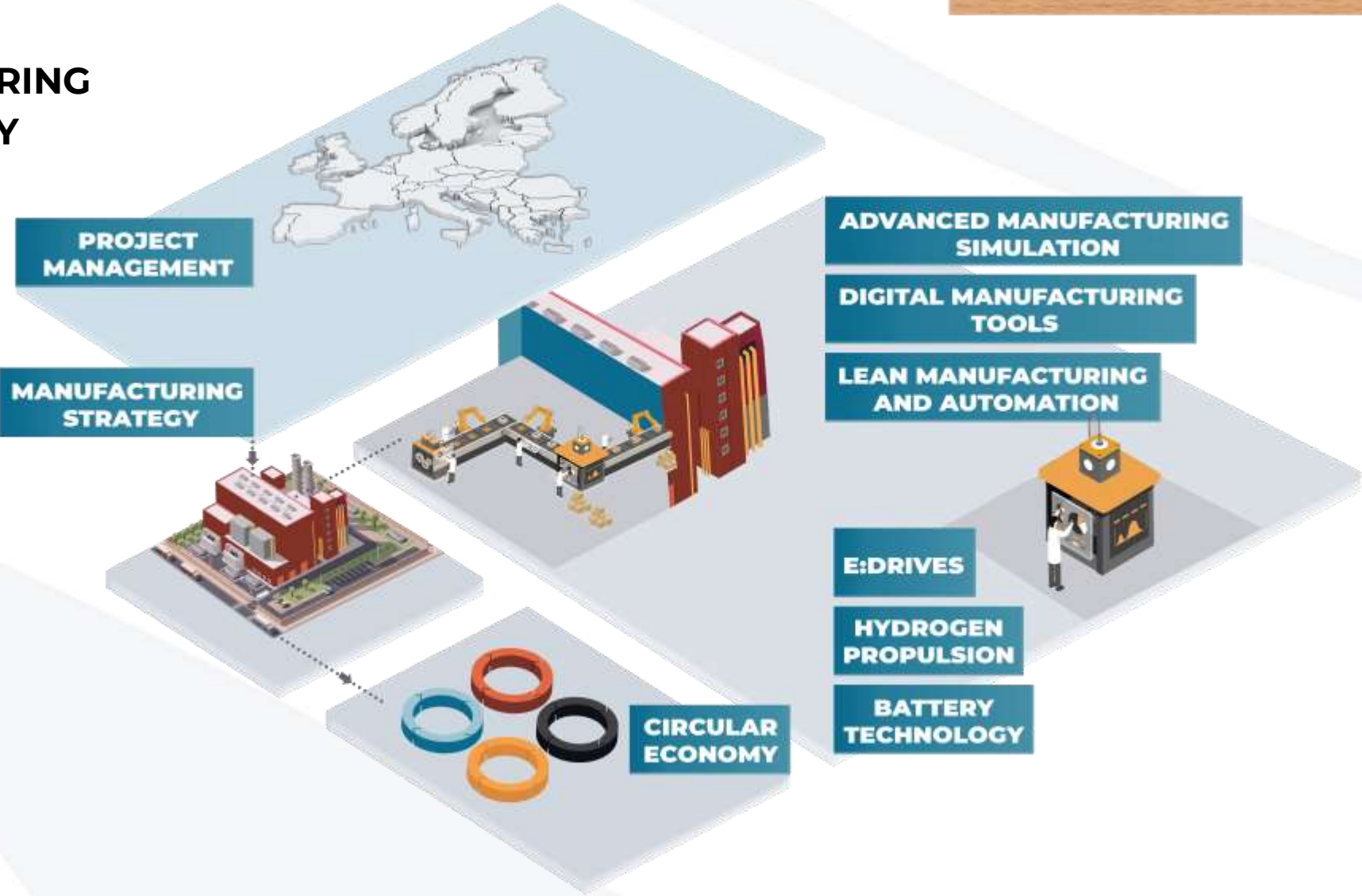


WE ARE
**SUSTAINABLE
MANUFACTURING
INNOVATION
CONSULTANCY**

WHO ARE WE?

SUSTAINABLE MANUFACTURING
INNOVATION CONSULTANCY

SOLUTION AREAS



ADVANCING UK MANUFACTURING

 **PRODUCTIVITY**

 **CIRCULAR ECONOMY**

 **UPSCALING**

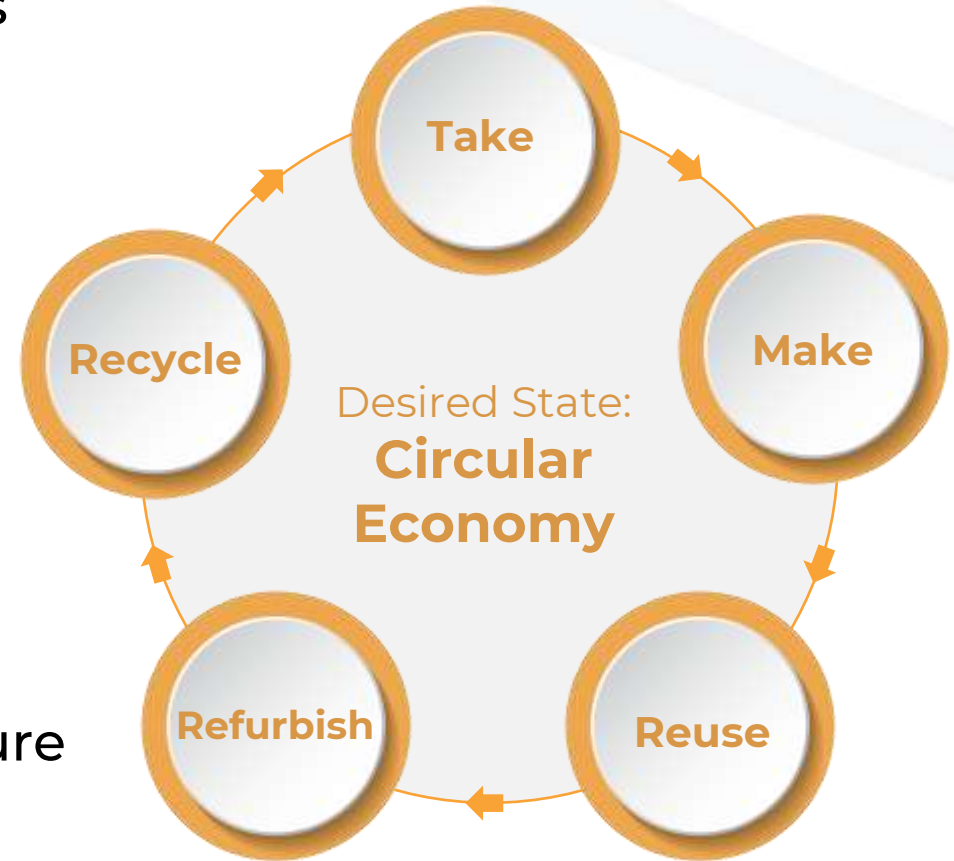
AGENDA, PURPOSE, EXPECTATIONS

INTRODUCTION TO CIRCULAR ECONOMY



WHY IS CIRCULAR ECONOMY IMPORTANT?

- ▶ Improving security and supply of raw materials
- ▶ Increasing resilience and competitiveness
- ▶ Stimulating innovation
- ▶ Boosting economic growth
- ▶ Job creation
- ▶ Reducing environmental and ecological pressure



CHALLENGES FOR SMEs

Bargaining power &
green suppliers

Consumer perception

Lack of capital

Regulations and
bureaucracy

Lack of collaboration

Culture and knowledge

Technical skills

Knowledge networks

CIRCULAR MODELS

Circular input models



Circular use models



Circular output models



Workshop Review

PRINCIPLES OF CIRCULAR PRODUCT DESIGN

Design products to last for a long period of time

Design standardized and compatible products / use standardized and compatible parts

Design for ease of maintenance and repair

Design for upgradability and adaptability

Design for disassembly

Design products that exist out of materials that can easily be recycled

Keep in mind the business model

CIRCULAR CASE STUDIES



- ▶ [Valuable](#)
- ▶ [EPRIME](#)

OTHER CASE STUDIES

- ▶ [Notpla](#)
- ▶ [Loop](#)
- ▶ [Fab Brick](#)
- ▶ [Toast Ale](#)



Thank you!
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