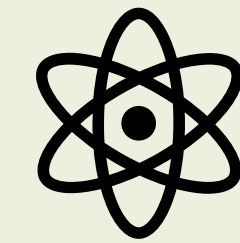


# OPTiM!SE HUB

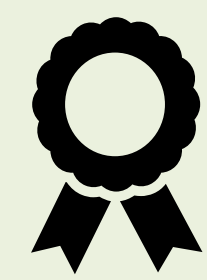
ICT INNOVATION FOR MANUFACTURING



Sensors, CPS, IoT



South Coast, UK



A Catalyst for ICT uptake in SMEs



## Political Landscape:

The Industrial Strategy Challenge Fund will spend £1 billion on cutting edge technologies over the next 4 years in 6 key areas:

- healthcare and medicine
- robotics and artificial intelligence
- batteries for clean and flexible energy storage
- self-driving vehicles
- **manufacturing and materials of the future**
- satellites and space technology

## Why a Hub?

UK manufacturing employs 2.7m, contributes 10% of GVA, & 68% of business R&D. Sector output makes up 45% of all UK exports.

## Regional Manufacturing:

12% growth in Advanced Manufacturing; Employment in the sector up by 2.9%

## Digital Manufacturing potential:

Manufacturing sector growth of 1.5-3% & annual growth of 0.5% of UK GDP

## Hub Services:

High Performance Data Analytics

Photonics Expertise

IoT for Manufacturing

Micro CT Scanning for Image Analysis

Additive Manufacturing

## Next Steps:

Seek regional funding to create a physical hub with funds for staffing and resources.

Win more applied research funding to create regional demonstrators.

Continue to work closely with EPSRC **Connected Everything** Network Plus.

Support existing regional Advanced Manufacturing Networks by hosting meetings and facilitating innovation



# OPTiM!SE HUB

ICT INNOVATION FOR MANUFACTURING

Hosted by the  
**Institute of Industrial Research**  
**University of Portsmouth**

## Current Research Projects

High Performance Data Analytics for the Dairy Industry



Predictive Maintenance Technologies for the Artisanal Food Manufacturer



## Core Hub Activities:

Events

Workshops

Website & Social Media

Bid Writing

Research

## Our Partnership:

Currently the Hub is an informal network of interested parties, who are willing to work together where opportunity and need arise.

