



# The Aim of the Project

The Augmented Manufacturing Reality project (AMReality) involved the creation of an integrated virtual and physical manufacturing environment overlaid with digital data (e.g. CAD, simulations, video etc.) alongside information about the physical environment (e.g. size, temperature, power usage etc.). This was created based on technologies developed by HSSMI, WMG, Inotec and FDS. The AMReality system is focused on providing augmented views for: Facilities Design, Maintenance, Energy Management, Manufacturing Processes and Manufacturing Operations.

## The Challenge

Create a system that supports the visualisation of virtual and physical date in a manufacturing environment.

### The Solution

A system that helps in improving efficiency, enabling optimization and enhancing decision making in a manufacturing environment, through providing greater access to information.



#### The Duration

AMReality was a 3-year Innovate UK project which ran from November 2013 to October 2016, during which the following objectives were achieved:

- 1. Identification of end user requirements and specification
- 2. Design and development of the system architecture
- 3. Integration of digital data and data wrappers from the virtual environment
- 4. Integration of embedded sensors from the physical environment
- 5. Design and development of user views

## The Funding

The overall project funding was £1.5million from Innovate UK.

## Members of the Project

**HSSMI** 

Ford

**INOTEC Innovative Technology** 

**DBR & Associates** 

Majenta Solutions

WMG The University of Warwick

Fully Distributed Systems (FDS)

# **More Information**

Visit the website of the project: www.amreality.co.uk

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