

MADE SMARTER

INNOVATION

SMART MANUFACTURING DATA HUB

Improving Manufacturing SMEs **Productivity** Through Digitalisation and Data Innovation

The Smart Manufacturing Data Hub (SMDH) supports small and medium-sized manufacturers to become more competitive by harnessing the power of data.

Digitalisation and Innovation

Simple sensor devices collect data and within weeks you have access to data records on energy usage, air pressure, liquid pressure and more. Data flows into a secure dashboard and alerts you to unexpected changes in pressure or levels of usage. Make informed timely decisions.

Data Skills and Insights

SMDH solutions include training and upskilling. Develop skills and understanding to create an evidence based digital roadmap for your factory, based on real-time data and expert advice. By uploading your data on the data hub, our scientists will offer their expertise.

Data and Digital Community

Join the online community and keep up to date with the latest news in digital technology from industry leaders.

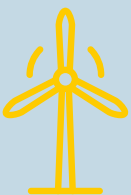
Learn best practice from peers in the manufacturing community and from factory case studies.

Operational efficiencies



Reduce downtime using temperature monitoring sensors. Temperature sensors measure the amount of heat energy or coldness that is generated by an object or system and alert you to overheating or insufficient cooling. Through early detection of problems you can reduce downtime, and limit maintenance to when it is actually needed.

Energy efficiencies



Improve energy usage and sustainability. Energy efficiency is an extremely important factor when taking into consideration how efficient your manufacturing process is. Power monitoring and analysis can help you to optimise operations, lower energy costs and reduce your carbon footprint.

Register on the website: smdh.uk

Contact us via email: info@smdh.uk

MADE SMARTER

Get Access to the Latest Data Driven Technology and Experts

The SMDH Solution

The Smart Manufacturing Data Hub provides digital tools, innovation, and skills, to help companies accelerate their digitalisation. Our team of specialist technology experts can give you personalised advice, and help you make everyday improvements to your business.

Once data collection is established, we can provide a secure connection to your real-time dashboard and intelligence. High value manufacturing technologies can be used to model future ways of working and support business investment decisions.

Embrace Digital Technology and Harness Your Data

Digital Technology Examples

- Equipment Monitoring
- Job Tracking
- Inventory Management
- Quality Monitoring
- Disruption Monitoring
- Capacity Monitoring
- Process Monitoring
- Energy Monitoring
- Temperature Monitoring
- Air & liquid Pressure Monitoring

Digital Innovation Fund

Companies who work with the SMDH are eligible to apply for grant funding, available on a match fund basis. Demonstrator funding from £5k - £50k, Virtual Testbed funding up to £100k, and Lighthouse Project funding up to £315k is currently available. This is to allow for further development of digital technology in their factory. Our team of experts can offer advice for long-term success and help you access funding to support this.

Streamline your Process

To achieve the most value from digital technology, it is important to consider what is the 'best fit' for your manufacturing process. SMDH reduces the risk of costly purchasing mistakes by guiding companies on the development of data technology and data analysis systems. Our technical team is on hand, should you need support or advice.

Enhanced Efficiency

There are many ways that the SMDH can enhance your manufacturing efficiency. You may be able to reduce machine downtime, energy wastage, or inventory, creating a more lean production process. Improved operations will aid business competitiveness and allow you to better serve your customers.

Agile Manufacturing

SMDH not only helps you to manage internal processes and systems, it can also help you to react quickly to external factors such as fluctuating demand or supply shortages. Making quicker and more informed business decisions will lead to improved relations with customers and suppliers.

Upskilled Workforce

SMDH offers you the opportunity to upskill and engage your workforce, creating the basis for digitalisation and innovation in your factory. Implementing digital technology leads to better job satisfaction and addresses the growing skills shortage.

The Smart Manufacturing Data Hub is led by Ulster University and partners. Funded by the Made Smarter Initiative.

