



Overall Equipment Effectiveness Solution

Battlecard

Advantech provides all the software, databases and visualisation tools to increase the value realised. Its OEE solution supports the provision of machine availability. Capturing real-time machine data, OEE processes and analyses the data, and visualises it through a graphical dashboard to create actionable insight.

Solution benefits

- **Collect:** acquire key data simply, ready for in-depth analysis.
- **Connect:** collate information across sites and access it securely.
- **Compute:** gather data and store it in a simple database ready for processing.
- **Create:** analyse and visualise the data for meaningful insight.

How can Tech Data help?

Tech Data can offer the below services to support your OEE opportunity:

- **Business Outcome Planning Support**
- **IoT Proof of Value Initiatives**
- **IoT Architecture Definition**
- **Customer App Development**
- **IoT Security and Integration**
- **IoT Hardware/Software Implementation**
- **IoT Managed Services**
- **BI/Analytics Consultancy**
- **Data Integration Services**

Conversation starters

- Q** Are you operating across multiple sites? How simple is it to collate and analyse this data?
- Q** What systems do you currently use to collate and analyse information?
- Q** How simple is it to see how you need to enhance your operations and boost productivity?

Customer challenges

The factory of the future brings information technology and operational technology together to enhance innovation and advance internal capabilities - factories of the future perform up to 50% better¹.

More flexible production allows the real-time adaptation to demand, which is why early adopters have experienced significant benefits - 82% of factories increased efficiency, 49% reported fewer product defects and 45% reported customer satisfaction gains².

However, 70% of businesses that have invested in next generation IoT technology have failed to move beyond pilot projects¹.

According to the World Economic Forum³, successfully creating the factory of the future is reliant on adapting operations in three key areas:

1. Connectivity
2. Intelligence
3. Flexible automation

Target audience

- **Manufacturers**
- **System integrators**

Key words to listen for

- **Smart manufacturing**
- **Industry 4.0**
- **The digital enterprise**
- **Fourth industrial revolution**
- **Invest in Internet of Things (IoT)**

Supporting vendors

- **Intel® Inside**
- **Advantech**

¹ "8 key features of the factory of the future", Financial Management, <https://www.fm-magazine.com/news/2018/oct/factory-of-the-future-201819820.html>

² "IOT AND THE DIGITIZATION OF MANUFACTURING", Industry Week, <https://www.industryweek.com/emerging-technologies/preparing-factory-future>

³ "3 megatrends for the factories of the future", World Economic Forum, <https://www.weforum.org/agenda/2019/01/3-megatrends-for-the-factories-of-the-future/>