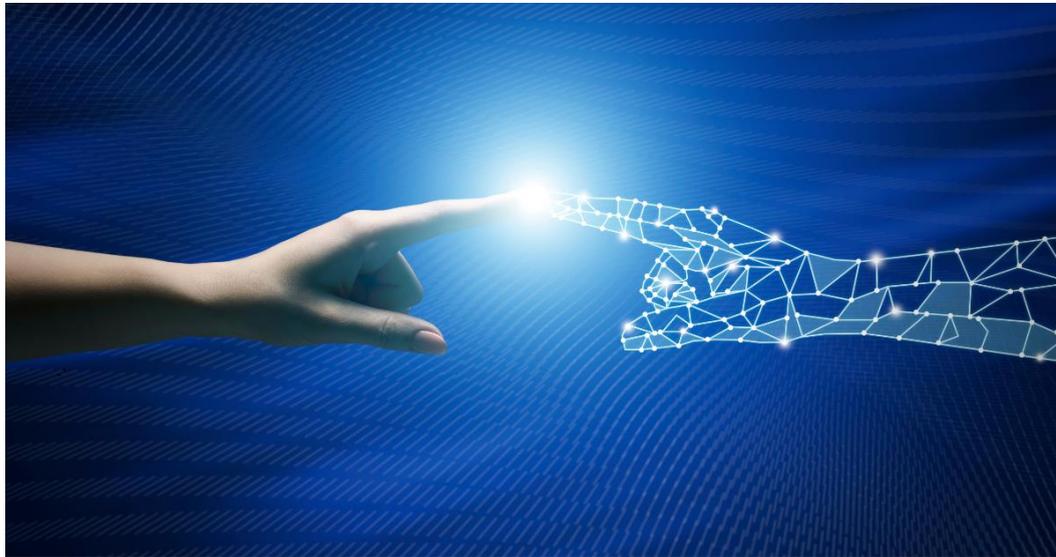


## DXC AI Assisted Anomaly Detection for SAP BTP

Supercharge your manufacturing process with AI-assisted anomaly detection



### Solution overview

AI Assisted Defect Detection for Manufacturing is a cutting-edge solution that revolutionizes quality control processes. By leveraging advanced artificial intelligence algorithms, this technology can accurately identify and classify defects in real-time, significantly reducing human error and improving overall product quality. With its ability to analyze large volumes of data in seconds, it enables manufacturers to detect defects at an early stage, preventing costly rework and minimizing production downtime. This innovative solution not only enhances operational efficiency but also boosts customer satisfaction by delivering flawless products.

### Features

- AI Assisted Defect Detection for manufacturing enables companies to enhance their quality control processes by accurately identifying and flagging defects in real-time, reducing the number of faulty products that reach customers.
- By automating the defect detection process using AI, manufacturing companies can significantly increase their productivity and efficiency. AI algorithms can analyze vast amounts of data and images, identify defects faster than human inspection, and streamline the overall production process.
- With AI Assisted Defect Detection, manufacturers can achieve a higher level of accuracy in detecting even the tiniest defects that may not be easily visible to the human eye. This reduces the chances of faulty products reaching the market and improves customer satisfaction.

### Solution components

- SAP Build Work Zone Advanced Edition
- SAP Build Process Automation
- SAP Integration Suite

### Customer benefits realized

**Increased efficiency:** AI assisted defect detection can significantly reduce the time and effort required for manual inspection and quality control processes. By automating the detection of defects, manufacturers can streamline their operations and increase productivity.

**Improved accuracy:** AI algorithms are capable of analyzing large amounts of data with high accuracy and precision. This means that AI assisted defect detection can identify even the smallest and most subtle defects that may be missed by human inspectors. This helps manufacturers ensure that only high-quality products are delivered to customers.

**Cost savings:** By implementing AI assisted defect detection, manufacturers can reduce labor costs associated with manual inspection processes. Additionally, the early detection of defects can prevent further production of faulty products, reducing waste and minimizing the costs associated with rework or product recalls.

**Enhanced product quality:** By identifying defects early in the manufacturing process, AI assisted defect detection helps manufacturers maintain consistent product quality. This leads to higher customer satisfaction and loyalty, as well as a stronger brand reputation in the market.

**Data-driven insights:** AI assisted defect detection generates valuable data on the types and frequencies of defects in the manufacturing process. By analyzing this data, manufacturers can gain insights into potential underlying causes of defects and make informed decisions to improve their processes and prevent future defects. This helps drive continuous improvement and optimization in manufacturing operations.