

AI based solution to predict manufacturing quality and provide prescriptive analytics

Challenge

In an automated manufacturing environment with a lot of data points, we have many quality controls in place to identify defects. The challenge is to predict a manufacturing quality issue and alert or automatically correct machine parameter to ensure production continuity with higher quality. Collect Critical to Process (CTP) parameters on a real time basis and predict Critical to Quality (CTQ) outcome

Focus Areas

Welding, Soldering, Riveting

Solution:

- AI/ML solution which can run real time on PLCs, Edge Computer and Cloud where we can provide predictive and prescriptive analytics on quality
- Inbuilt models to predict quality issues in manufacturing and prescribe corrective measures

What are we long for?

A solution which can collect the machine and process data from suppliers and manufacturing plant and provide prediction on possible product failures with intelligence to prescribe the corrective actions

Technology Specification

IIoT and AI/ML

Evaluation Criteria

- Accuracy of prediction
- Speed of prediction
- Accuracy of prescription

Deliverables

A working solution with proven deployment with other customers

For more details and to apply click [here](#)