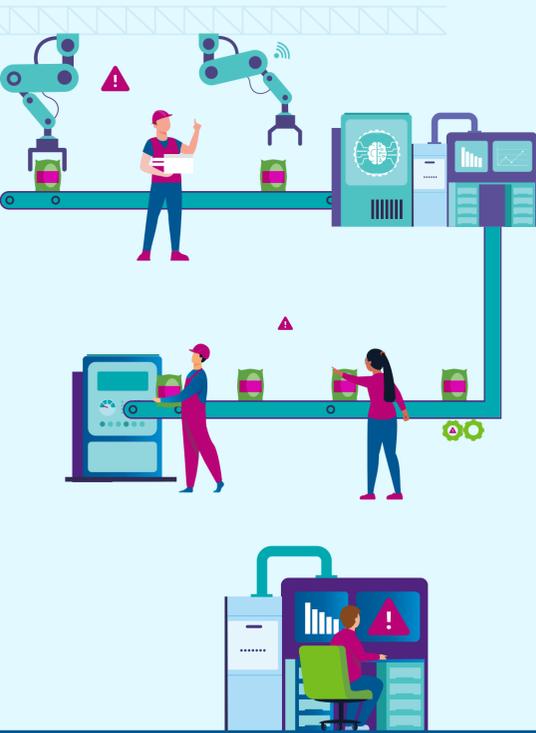


VISUALIZE YOUR PLANT KPIs WITH BOSCH IT-OT INTEGRATION SOLUTIONS



BUSINESS CHALLENGES

In a typical shop-floor, we have observed manufacturers face:

- Disparity among different industrial communication protocols, assets and devices
- Unreliable manual data collection
- Lack of a unified platform for data collection from different historians, SCADA and PLC systems
- Lack of interoperability with Enterprise IT
- Unavailability of right KPIs to the right stakeholder at the right time
- Lack of personalized dashboard or role-based dashboard

SOLUTIONS

Bosch Production Visualizer provides real-time visualizations of major production KPIs, such as OEE, cycle times, etc. It comes equipped with a robust connectivity layer called Bosch DeviceBridge, which helps in Plant connectivity with IT applications.

Features



Unified access for Data Acquisition, Preprocessing, Edge computation, Data Modelling, Cloud/ On-premise Connectors on One Platform



Data capture directly from machine controller



Out of box IT connectors available for AWS, Azure, SAP MII, MES applications, Oracle, SQL database



Flexible and smart data preprocessing, standardization and computation layer at the Edge



Connects and collects data from wide variety of machines including PLC & CNC machines



Transforms data into formats as required by Enterprise IT applications such as MES, ERP, Database & Cloud solutions.



Do-It-Yourself (DIY) Business Logic using Google Blockly at Transformation Layer



Store and forward mechanism in case of disconnection



Automatic OEE display in Real Time



Monitoring, Alert and Notification



Hourly Production Tracking



Install On-Premise or On Cloud



Pareto of losses



Multi language support



Supports more than 40 industrial drivers like OPC-UA, Mod-bus, S7 Protocol, etc.



OEE Analysis (Availability, Performance, Quality)



Cross-platform compatibility

BENEFITS



Reduction in total cost of ownership due to a single platform offering both data acquisition and data transformation



Faster decision making due to availability of data in real time



Improvement in productivity



Cost reduction by elimination of errors occurring due to manual data collection and processing



Retain warranty of OEM equipment



Reduction in downtime of assets



Accurate insights on losses



Increased transparency



Easily scalable to add new stations and lines



Paperless



Cloud compatible



Build a foundation block for Industry 4.0 solutions - AI/ML, Data Analytics, Condition Monitoring, Predictive Maintenance, Digital Twin and Asset Performance Management.

