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 historians, SCADA and PLC systems
- Lack of interoperability with Enterprise IT
- Unavailability of right KPIs to the right stakeholder at the right time
- Disparity among different industrial communication protocols, assets and devices
- Unreliable manual data collection

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 Data connectors on One Platform
- DeviceBridge - Business Logic using deep libraries of existing Transformation Layer
- Supports more than 40 industrial drivers like OPC-UA, Mod-bus, S7 Protocol, etc.
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DeviceBridge
- IT Protocols
- Industrial Communication protocols
- Database
- Asset Performance Management
- Cloud Services
- MES
- I4.0 solutions
- File storage
- Machine Compressors
- Turbines OPC server
- Supports more than 40 industrial drivers like OPC-UA, Modbus, S7 Protocol, etc.
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Solutions
- Do-It-Yourself (DIY) Business Logic using deep libraries of existing Transformation Layer
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BENEFITS
- Faster decision-making due to availability of data in real-time
- Improved productivity
- Reduction in total cost of ownership due to single platform offering both data acquisition and data transformation
- Cost reduction by automation of errors, elimination of manual data collection and data processing
- Increased transparency
- Pipelineless
- Cloud compatible
- Easily scalable to add new stations and lines
- Reduction in downtime of assets
- Improved in productivity
- Retain warranty of OEM equipment
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Build a foundation block for Industry 4.0 solutions - AI/ML, Data Analytics, Condition Monitoring, Predictive Maintenance, Digital Twin and Asset Performance Management.