BUSINESS CHALLENGES
For a typical shop-floor, we have observed manufacturers face:

- Lack of data homogeneity from downstream assets due to disparity of industrial communication protocols
- Transient and unmanageable dataset collection
- Lack of digital platforms for collating and analyzing the data
- Lack of interoperability with upstream IT layer due to differing interface specifications

SOLUTION
Bosch DeviceBridge connects shop-floor devices with top-floor IT applications with ease.

Solution Features

- Do-It-Yourself (DIY) Business Logic using Google Blockly at Transformation Layer
- Monitoring, Alert and Notification within Application
- Store and forward mechanism in case of upstream disconnection
- Data Acquisition, Preprocessing, Edge computation, Data Modelling, Cloud/On-premise Connectors on One Platform
- Has a flexible and smart data preprocessing, standardization and computation layer at the Edge
- Transforms data into formats as required by various upstream IT applications such as MES, ERP, Database & Cloud solutions
- Connects and collects data from wide variety of machines seamlessly including PLC & CNC machines

BENEFITS
Cost reduction by elimination of manual data collection and processing
- Faster decision making due to availability of data in real time
- Reduction in total cost of ownership due to a single platform offering both data acquisition and data transformation
- Provides a foundation block for Industry 4.0 solutions - AI/ML, Data Analytics, condition monitoring, predictive maintenance, Digital Twin, asset performance management

For more information, send your enquiries to connect@in.bosch.com

Bosch connects 200+ machines at an automotive OEM plant in Japan

Challenge
Manual data process collection
- Time-consuming
- Error-prone

Solution
Bosch DeviceBridge connects shop-floor devices with top-floor IT applications with ease.
- Connectivity to legacy machines with minimal or no configuration changes
- Provides a foundation block for Industry 4.0 solutions - AI/ML, Data Analytics, condition monitoring, predictive maintenance, Digital Twin, asset performance management

Benefits
- Medical data process solution
- Time-saving
- Error-free