

# Revolutionizing Your Organization

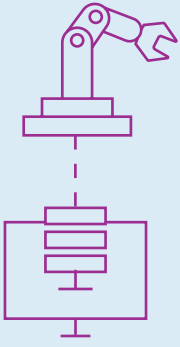
*Is your organization prepared to embrace the future of operational efficiency?*

Modern organizations straddle two worlds: **Information Technology Systems and Operational Technology Systems.**

When they operate in silos without interaction with each other, businesses suffer from operational inefficiencies which can lead to escalating costs, losses and hamper business growth in the long-run.

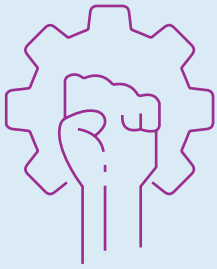
**The solution?**





## IT-OT Convergence: The Key to Business Success

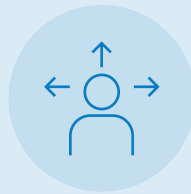
Today, the worlds of IT and OT are converging. IT-OT convergence has emerged as necessary for driving efficiency, streamlining processes, and gaining valuable insights from a single environment.



## The Real-World Benefits of IT-OT Convergence

When implemented well, IT-OT convergence can merge business processes, insights and controls to provide you with a unified environment and a single source of truth.

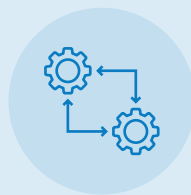
This future-ready Enterprise Architecture enables:



Efficient  
Decision-making



Real-time  
Insights



Streamlined  
Processes



Faster  
Production  
Cycles



Bringing the Best  
of IT & OT Together

**What enterprises need today:**

A partner with expertise in merging the physical and digital realms for a unified, data-led enterprise enabled by IT-OT convergence.

That's where we come in.

# Bosch Software and Digital Solutions

We leverage our expertise on Sensors, Software and Services to bring you a suite of solutions that will revolutionize the way you manage your enterprise. Here's a sneak peek into our offerings:



## Bosch Digital Twin – IAPM

An integrated asset performance management solution that optimizes manufacturing processes of asset intensive industries with AI, delivers predictability and improves decision-making. It simulates real-world scenarios and provides persona-based insights in an immersive environment. This enables manufacturers to run their operations at optimal cost and efficiency modes to address disruptive business challenges.

### Benefits:

- ✓ Reduce downtime and failures
- ✓ Optimize energy consumption
- ✓ Monitor assets remotely
- ✓ Introduce prescriptive maintenance
- ✓ Extend asset life
- ✓ Improve spare part management
- ✓ Create what-if scenario analysis

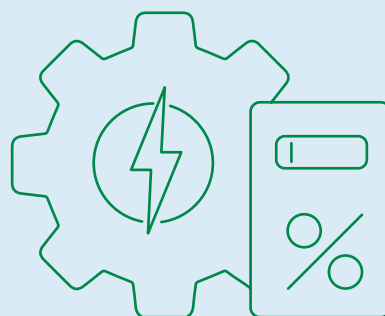


## DEEPSights

Reduce energy costs and minimize your carbon footprint across Bosch Plants with DEEPSights. Our AI algorithms help you monitor your utilities (water, air, gas, energy and steam) consumption and provide actionable insights that can help you conserve utilities and promote sustainability.

### Benefits:

- ✓ Energy cost reduction, typically 5%-20%
- ✓ Up to 20% gain in utility management productivity
- ✓ Up to 90% reduction in utility management reaction time (from 30 mins to 2 mins)



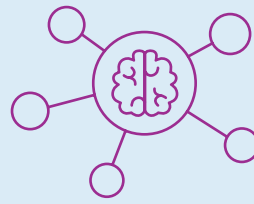


## Indus 4.0

IT/OT convergence is essential to optimize your manufacturing operations. Our INDUS 4.0 Software Solutions Suite facilitates seamless integration between operational technology and information technology, enabling efficient data collection from legacy systems in a non intrusive manner, to analyse and manage data: Industrial Connectivity Platform, Production Visualizer, Quality Assistant, Traceability solution, with Maintenance module in the product roadmap.

### Benefits:

- Improved availability or OEE
  - ✔ upto 7%-15%
- Throughput improvement by
  - ✔ 8%-12%
- First pass quality up by
  - ✔ 3%-8%
- Maintenance cost down by
  - ✔ up to 20%

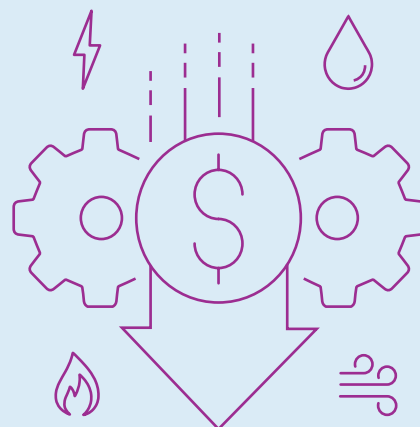


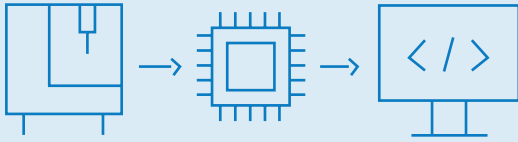
## Phantom EDGE

This solution combines AI with IoT to provide information about equipment, electrical parameters, and usage to create a digital twin. Identify anomalies, compare assets, and drive behavioral change for energy saving - all while optimizing your machines' overall effectiveness and energy utilization.

### Benefits:

- ✔ Energy transparency and safety
- ✔ Behavior-based savings
- ✔ Asset benchmarking and optimization
- ✔ Optimal operating points impact on plant stoppages



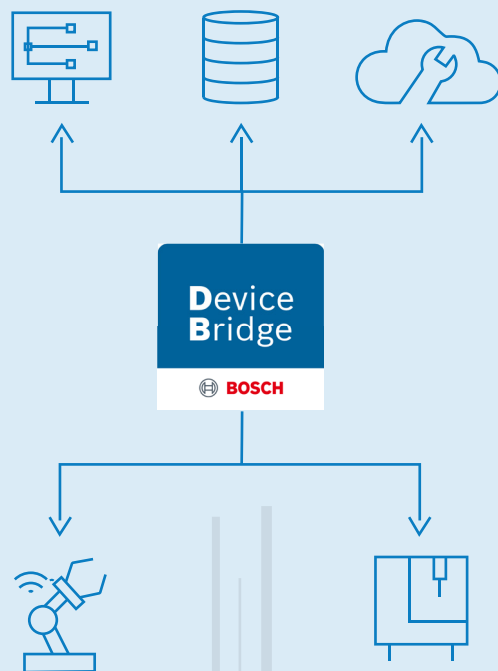


## DeviceBridge

An Industry 4.0 software that provides a single, scalable and secure connectivity to industrial assets, DeviceBridge connects to a wide variety of legacy and new industrial assets and data sources like CNCs, PLCs, Sensors. Operating at the Edge layer, DeviceBridge acquires and processes manufacturing data, and delivers it to upstream IT applications, like MES, in the required format.

### Benefits:

- ✔ Single solution to collect data from a wide variety of data sources
- ✔ Do-It-Yourself (DIY) business logic with Graphical Interface, no coding expertise required to build capabilities at Edge
- ✔ Flexible payload transformation with custom-defined data models, converters, data mapping, formatter etc.



## Embrace the Future with Bosch's IT-OT Convergence

Are you ready to transform your organization and stay ahead of the competition? Discover how IT-OT convergence can provide invaluable insights and unlock your organization's true potential. To learn more about IT-OT convergence and its benefits, contact us today!

**Get Started Now!**

### Bosch Software and Digital Solutions

India | USA | Europe | UK | Japan | Middle East | China



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**Take this opportunity to revolutionize your organization!**