Creating Industries of the Future

Achieving Excellence With
Bosch and SAP

The Indian manufacturing sector is rapidly becoming an integral pillar of the country's overall economy, massively contributing to the nation's growth. Yet, amidst this flourishing landscape, manufacturers now face a plethora of emerging obstacles to stand out and stay ahead. In order to tackle these growing challenges and flourish in this ecosystem, a comprehensive solution that provides unparalleled scalability, agility, and efficiency has appeared as the need of the hour: Bosch SDS solutions for SAP.

Critical Challenges for Indian Manufacturers

Rising Global Competition
Currently, India's share in global manufacturing exports is only around **3%,** fighting stiff global competition.

Lack of Personalized Technological Solutions
Indian manufacturers struggle to identify the ideal technology implementation partner to deliver personalized, company-specific solutions.

Resistance to Modernization
74% of manufacturing and engineering companies post-pandemic still rely on legacy systems.

Inability to Scale
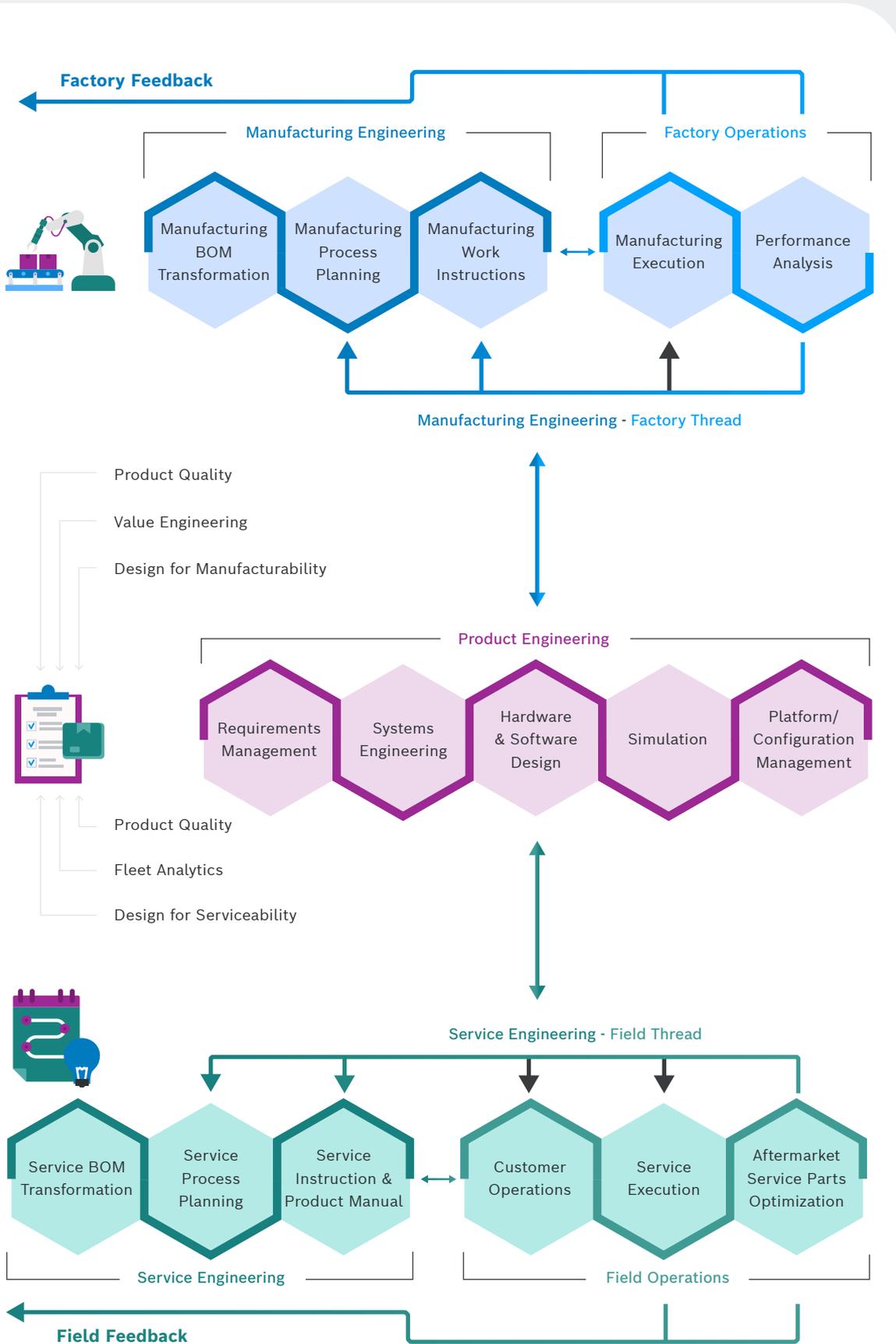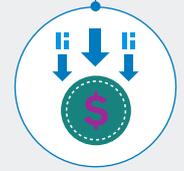Only **8%** of businesses successfully manage to scale.

Lack of Agility
In an increasingly volatile market, Indian manufacturers struggle to respond to customer demands, and navigate supply chain disruptions.

Bosch SDS: Digital Threads Across Design, Manufacturing and Aftermarket

Bosch's implementation of digital threads across the entire lifecycle of product development, manufacturing, and aftermarket services offers a transformative solution to the multifaceted challenges encountered by manufacturers.

Factory Feedback

Manufacturing Engineering

Factory Operations

- Manufacturing BOM Transformation
- Manufacturing Process Planning
- Manufacturing Work Instructions
- Manufacturing Execution
- Performance Analysis

Manufacturing Engineering - Factory Thread

- Product Quality
- Value Engineering
- Design for Manufacturability

Product Engineering

- Requirements Management
- Systems Engineering
- Hardware & Software Design
- Simulation
- Platform/ Configuration Management

- Product Quality
- Fleet Analytics
- Design for Serviceability

Service Engineering - Field Thread

- Service BOM Transformation
- Service Process Planning
- Service Instruction & Product Manual
- Customer Operations
- Service Execution
- Aftermarket Service Parts Optimization

Service Engineering

Field Operations

Field Feedback

The Result

Reduced Costs

Enhanced Temporal Efficiency

Improved Product Quality

INSTA: The Complete SAP-Powered Solution

By analyzing the complex obstacles of the Indian manufacturing sector, Bosch SDS and SAP have combined their expertise to create the ideal one-stop solution: India Stack (INSTA). This comprehensive S/4 HANA preconfigured solution is based on the Model Company Layer and comes jam-packed with a full set of integrated scenarios and solution frameworks.

Building Blocks

Analytics New age Scenarios

Integration with Business Network systems

Pre-Built WRICEF Objects
Recorded Process Demos

Industry specific scenarios
Pre-defined Proposal Templates

SAP Enterprise Management Layer SAP Best Practice Scenarios Country Localization

End-to End Automation and Digital Offerings

Automation & Digital Advisory

Industrial Automation

Digital Mfg. & Logistics

Services

Safety and Sustainability

Unlocking Advantages: The Benefits of Bosch SDS's SAP Solutions

With over 20 years of experience in SAP solutions, Bosch stands as an ideal tech partner for manufacturers to modernize their digital landscape

- Structured methodology with tools, best practices, and services to guide migrations from SAP ERP to SAP S/4HANA Cloud Private Edition
- Close collaboration with SAP to implement SAP DM for greater flexibility and visibility
- Resilient cooperation with SAP to realize SAP EDP for requirements generation and management and system modeling and management
- Deployment with accelerators to massively reduce time to value
- ERP Clean Core strategy to evolve rapidly, reduce project risk, and unlock true potential
- Cloud-driven ERP to scale on demand, increase overall innovation, and meet growing needs
- SAP Business Technology Platform powered by intelligent applications

Bosch + SAP: Key Assets

- Bosch Migration Dashboard with Upload Templates
- BTP-enabled EDI Playbook for 3PL Integration
- Bosch Automation Testing Tool for Rollouts
- Requirements Traceability Matrix Templates
- Inbuilt Industry-Specific KPI Dashboards
- Integration Dashboard for Error Handling and Monitoring

Measurable Results

For one of the world's largest commercial vehicle manufacturers

Results

- Overall reduction of incidents by **16%.**
- Exceeding SLA baseline of **98%** since January 2012.

For a leading German Conglomerate

Results

- Overall cost savings of **2 Million € in 2016** with transition to Managed Service model.

Optimizing Production Execution: A SAP DMC Implementation Journey

Results

- Globally streamlined production management through unified MES implementation.
- Improved operations and data visibility with real-time shop floor connectivity.
- Enhanced efficiency by embedding complex business processes into SAP DM.
- Achieved end-to-end traceability through engagement with legacy MES.
- Boosted productivity and accuracy with new MES adaptation and worker guidance for existing production lines.

Build a dynamic tomorrow for the Indian Manufacturing sector with Bosch SDS.

CONTACT

Bosch Global Software Technologies Pvt Ltd

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

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