Innovate, Transform, Sustain: A Smarter Digital Journey with Bosch SDS

From Vision to Reality With Our Next-Gen Digital Solutions

Revolutionizing industries, the #SmarterDigital way

Let's be honest, navigating the digital age as a global business is like running a marathon in quicksand. You're facing a gauntlet of challenges — from geopolitical uncertainty to competition for talent, and the changing regulatory environment — it's a constant test of resilience.

Over **70%** of digital transformations fail

$2.3 trillion wasted globally due to unnecessary complex digital transformation programs

Key reason?

The lack of target customer-driven business architecture has been identified as the leading reason

Why we think it fails

Trend hopping or unnecessary tech-led initiatives due to a lack of industry process understanding

Improper or inconsistent change management strategies

Absence of the right combination of tech, people, and processes at the right time and place

Why survive, when you can thrive in this competitive landscape? Enter your new-age digitalization partner – Bosch SDS. As a global leader in software and digital services, we help you embed a sustainability mindset, create intelligent business models, and a data-led culture across the value chain – at the intersection of IT, ET, OT, and Digital engineering. This brochure highlights how our Product Engineering, Digital Enterprise, and Sustainability services can help you achieve your business goals.

Smarter Product Engineering with IoT

Enterprises today are clear about what they want – become product-focused, digitally empowered, and outcome-based[1].

Our SDS experts breathe new life into your visions — embedding a consultation-led, data-centric approach end-to-end coupled with accelerated innovation focus, from concept to reality — ensuring seamless integration and optimal performance across the product engineering value chain.
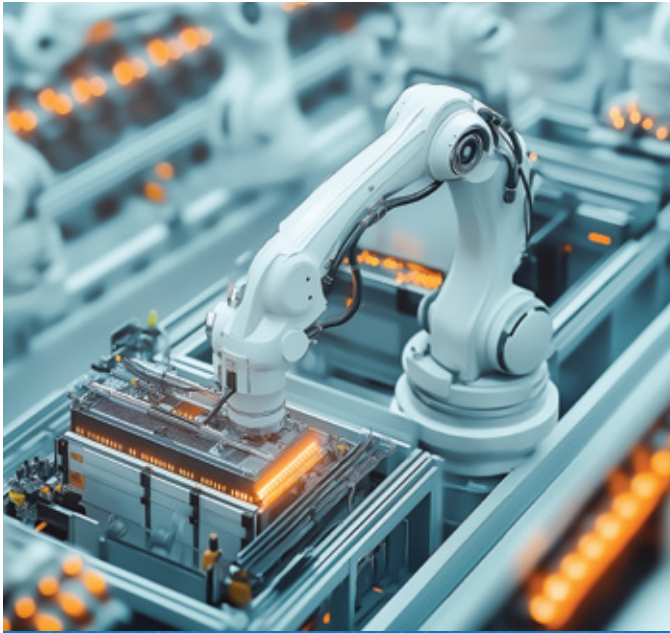

IoT Design, Development, and Testing

Deliver connected products, laser-focused on UX-centric design and development, with complete hardware and software testing and IoT ecosystem development – elevating the entire product lifecycle – from ideation to market release.

IoT Security

Avert evolving, sophisticated threats with SDS' multi-layered security architectures and advanced threat detection mechanisms that safeguard your data, IoT ecosystem, growth, and reputation.

IoT Industrialization

Successfully deploy sensor integrations, comprehensive platforms, intelligent gateways, product transformations, and more within a streamlined digital thread from pilot to full-scale market deployment – minimizing risks and maximizing impact.

PLM Services

Optimize your product lifecycle with our comprehensive PLM services that leverage cutting-edge technologies to streamline product development processes, data management, version control, and change management throughout the entire product lifecycle.

We enable you to stitch assets and operations together in a digital thread for intelligent business transformation.

- Forge an intelligent, seamless, and efficient digital ecosystem.
- Improve asset health monitoring and maintenance
- Drive end-to-end digital traceability for product portfolio
- Leverage asset criticality analysis to improve cost optimization

Our smarter product engineering in action

Challenge

A leading home and consumer electronics firm struggled to meet the demand surge for connectivity, and energy efficiency. Insufficient product data and a lack of unified visibility also affected overall product quality and time-to-market.

Solution

We implemented modernized data-first enterprise architecture leveraging our PLM, IIoT, and SAP-based capabilities to bolster organization-wide efficiency, agility, and resilience.

Impact

30% improved time-to-market

40% faster lead time across NPD projects

20% elevated R&D efficiency

Smarter AI-centric Digital Enterprise Services

Today, organizations with higher automation maturity enjoy the bigger benefits: 53%[1] enjoy greater consistency, 71% witness higher cost savings, and 80% report greater operational efficiencies.

We help you fuel enterprise-wide resilience and intelligence — forging an AI and Gen-AI-led digital core supported by strategic consulting, ERP++, and advanced automation — streamlining complex processes, accelerating execution, and delivering valuable insights.

Intelligent Factories and Supply Chain

Optimize processes, enhance supply chain visibility, and boost predictive maintenance utilizing advanced analytics, AIoT, and integrated ERP systems that help you reduce costs and increase efficiency.

Robust ERP and Cloud

Modernize your core business processes by leveraging ERP systems, cloud-based platforms, and intelligent automation powered by GenAI to streamline operations, improve data management, and enhance decision-making.

Intuitive Customer Experience

Fuel omnichannel, innovative, and memorable customer experiences powered by embedded data analytics and AI to personalize interactions, anticipate customer needs, and optimize customer journeys.

We enable you to simplify the design, standardize configurations, and fast-track deployments with our proven methodologies, accelerators, and frameworks, that help you improve productivity, reduce operating costs, and drive resilient business processes.

- Drive enterprise-wide flexibility and resilience
- Minimize downtime, costs, unforeseen incidents, and outages
- Elevate product integrity, reliability, and safety
- Strengthen customer trust, satisfaction, and loyalty

Our smarter AI-led digital enterprise services in action

Challenge

A leading automotive firm experienced major hurdles in its core operations due to legacy ERP systems. They desired to transform their IT estate with a well-defined roadmap to enhance finance, control, and logistics processes.

Solution

We implemented an SAP-based warehouse modernization. This included migrating to a new architecture with Siebal DMS and S/4HANA, leveraging intelligent RPA, SAP S/4HANA business suite, advanced analytics, and predictive MRP.

Impact

$2 Bn
business impact

Modernized
warehouse

Digitalized
manufacturing

Elevated
supply chain transparency

https://www.f5.com/pdf/report/2024-digital-enterprise-maturity-index-report.pdf

Smarter Sustainability: Safer, Cleaner, Better

While 24%[1] of executives feel that the cost of sustainability initiatives outweighs the benefits, sustainable funds had a median return of 1.7%[2] in the first half of 2024.

We at Bosch SDS believe in creating a greener tomorrow by empowering businesses with our cutting-edge solutions to drive end-to-end sustainable processes — from design to implementation, and aftermarket. Tackle climate change, biodiversity loss, and pressing social issues through our advanced solutions and services for greener factories, resource-efficient operations, and a circular-economy-based supply chain.

Creating the Circular Economy	Seamlessly transition towards a circular economy by optimizing resource utilization, minimizing waste, and extending product lifecycles powered by our consultative approach, blockchain-enabled supply chain solutions, and bespoke accelerators.
Smarter Sustainability Platforms	Gain actionable insights into your environmental footprint through data-driven solutions and intelligent systems that automate tracking, analysis, and reporting on key metrics – enabling you to identify areas for improvement and demonstrate your commitment to evolving global sustainability standards.
Smarter Energy Storage Solutions	Optimize energy consumption and reduce your carbon footprint through innovative tools and services that help you manage energy resources effectively, integrate renewable energy sources, and improve energy efficiency.

We are committed to helping you embrace sustainable practices and contribute to a circular economy.

- Strengthen enterprise resilience with sustainable approaches
- Reduce energy consumption and increase energy savings
- Forge a future-ready organization with customized sustainability solutions
- Effortlessly achieve net-zero, circular economy and offset carbon footprint

Our smarter sustainability in action

Challenge

A leading denim company grappled with highly resource-intensive processes and higher energy and utility consumption. This led to escalating energy costs of >1Mn Euro per month.

Solution

We implemented a phase-wise prioritization approach starting from energy consumption to production and maintenance and data management and analysis.

Impact

USD$1.4M savings per year through energy and steam optimization

Approx 1 Mn EUR/year saving in total electricity spend **12.6% savings** in total thermal (steam consumption) energy
Up to 1.66 M EUR/year boost in revenue – elevating productivity by 30% and 50% productivity in spinning and weaving sections respectively

https://www.weforum.org/stories/2024/01/why-2024-is-the-year-of-the-business-case-for-sustainability-davos/

https://www.morganstanley.com/ideas/sustainable-funds-performance-first-half-2024

Step into the Smarter Digital future

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