AUTOMOTIVE SAP LEAP

LARGE ENTERPRISE ACCELERATION PROGRAM

AT A GLANCE

As a leading systems integrator, NTT DATA can help automotive companies build and achieve sustainable competitive advantage using digital technologies to evolve and transform their operations, products and markets. NTT DATA combines strong local capabilities with a global team-based approach to innovation and project delivery, and it has an extensive track-record developing and delivering solutions for the automotive industry using SAP software platforms and other advanced technologies

INDUSTRY CHALLENGES

- **Autonomous vehicles**
  As automated driving systems become more sophisticated, the technology must be deeply integrated with other systems, both inside and outside the vehicle.
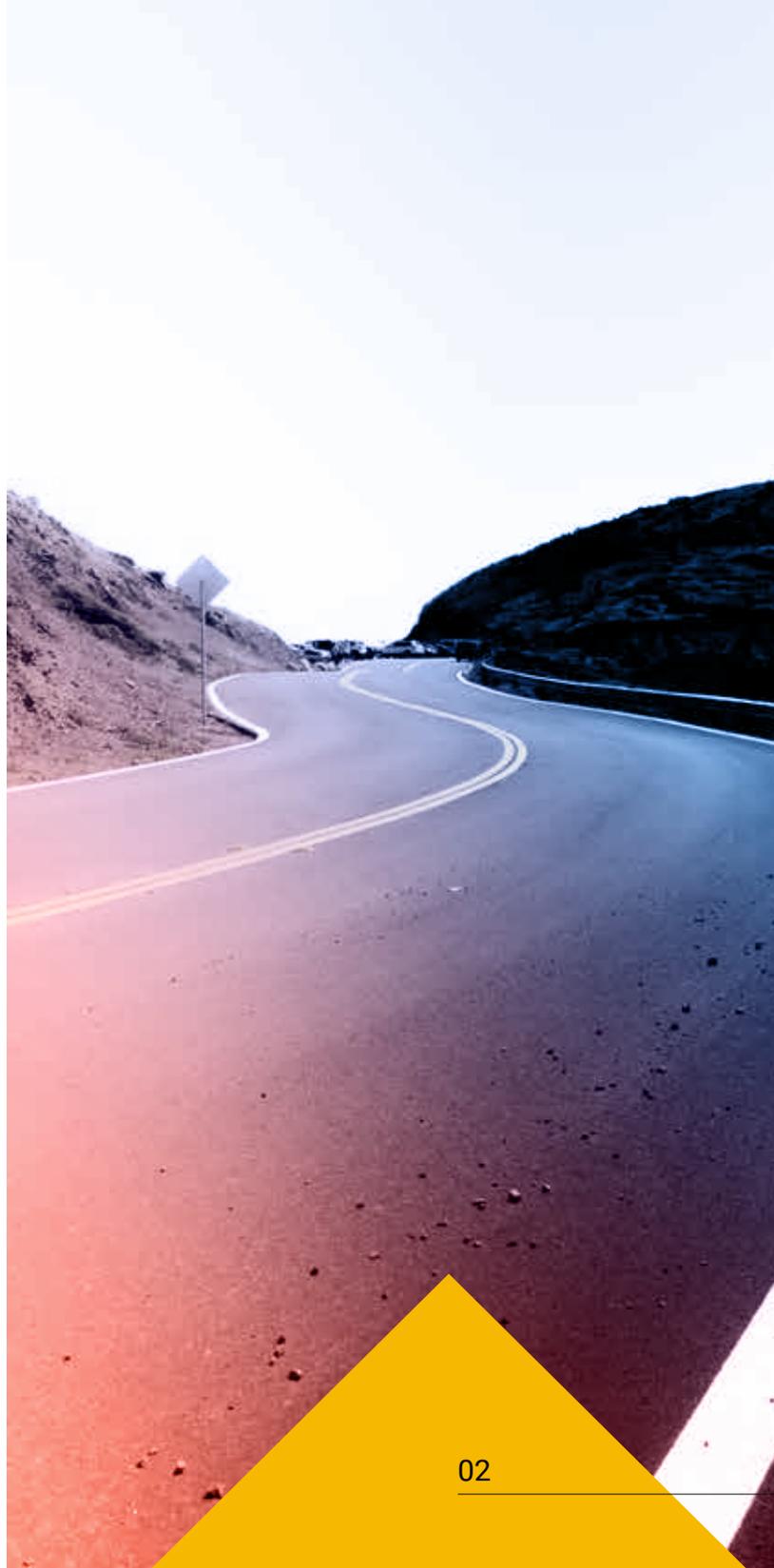
- **Connectivity**
  Enhanced connectivity and more onboard electronics convert vehicles into computers on wheels, obliging manufacturers to develop new capabilities and skills.

- **Electrification**
  The tipping point for the changeover to electric vehicles is now coming closer with price parity expected to be achieved before 2029.

- **Ownership models**
  Autonomous vehicles and smart infrastructure allow new and existing players to offer mobility-as-a-service, which could undermine traditional car ownership.

ENABLING CHANGE

Transforming the manufacturing process with AI, machine learning and the Industrial Internet of Things allows OEMs and Tier Ones to create smarter, more agile production lines that can adapt quickly to changing conditions and new market demands.

The effective management of **complex value chains** will become a key differentiator for successful OEMs in the future. Participants in supply chains will also change, as service delivery technologies become an integral part of the overall product.

As more connectivity and communications are built in to vehicles, more of the lifetime value will shift to downstream services. OEMs must leverage digital channels to capture more of that value, **enhance customer service** and offer unique experiences.

As the automotive industry transforms, manufacturers must embrace **collaborative design and manufacturing** models in which providers of software or connectivity services will be as important as the engineering team that develops the core product.

The move to SAP S/4HANA should be the basic first step in the long-term **journey of change** that all automotive manufacturers must take. S/4HANA embeds designed-in flexibility into the heart of enterprise management systems, so reducing the technology burden and eliminating multiple interfaces, disjointed processes and islands of automation.

With a flexible, agile core in place, anything is potentially possible. Without it, incumbent players in the automotive sector will struggle to adapt to the technology evolution and fast—changing market trends, and will ultimately risk losing competitiveness.

WHY CHOOSE NTT DATA FOR YOUR SAP AUTOMOTIVE PROJECT

WE ARE EXPERTS IN AUTOMOTIVE

NTT DATA has worked with the automotive industry for 45 years and we currently serve more than 85 OEMs, suppliers and dealerships. We understand the challenges and the needs of enterprises in this sector and we have considerable experience creating innovative solutions that deliver sustainable business value for automotive companies, so helping them achieve a competitive advantage.

To accompany automotive companies on their SAP S/4HANA journey, NTT DATA has a team dedicated to SAP S/4HANA transformation and an SAP S/4HANA Center of Excellence that establishes the most appropriate evolution strategy for companies that want to evolve to SAP S/4HANA and other SAP solutions, platforms and technologies.

NTT DATA has developed a SAP Automotive template for SAP S/4HANA and accelerators to help automotive companies overcome specific challenges and reduce time to value.

SAP GLOBAL STRATEGIC PARTNER

NTT DATA is a formidable force in SAP services with more than 20,000 SAP professionals, 2,700 SAP clients worldwide, 21 delivery centers and operations in 41 countries. It is a truly global organization committed to seamlessly working together with its clients to deliver SAP-centric projects that can be delivered at scale and across multiple locations.

Our solutions leverage our business-specific expertise and skillsets in SAP technologies but also in other digital technologies, such as AI and IoT, for example. NTT DATA has achieved the highest accolade awarded by SAP, Global Strategic Partner, which recognizes its ability to offer a wide range of best-in-class business consulting and solution implementation services in support of SAP technology.

THE NTT DATA DIFFERENCE

NTT DATA S/4HANA AUTOMOTIVE TEMPLATE

- Fully customized SAP S/4HANA system including all core areas such as finance, procurement, sales, logistics and production.

- Includes new SAP modules such as EWM, IBP, TM, VMS, etc.

- SAP Cloud Platform and Cloud Integration.

NTT DATA SAP AUTOMOTIVE ACCELERATORS

- **Supply Chain Control Tower** provides end-to-end visibility of the supply chain along with a real-time integration with SAP data sources.

- **Edge Computing** collects data from sensors and integrates it into SAP Business Technology Platform. Data is aggregated and can be analyzed to predict future machine behavior and prevent failure situations.

- **Smart EWM High-Bay Racks** leverages sensor data to improve space utilization, increase inventory rotation and optimize operations in High Bay warehouses using SAP Enhanced Warehouse Management (EWM).

- **SAP JIS/JIT** is an accelerator developed by NTT DATA that implements the typical business processes required to integrate contract manufacturers and it features a custom SAP Fiori cockpit.

- **Individualized Production** enables "Batch Size 1" orders generated in the ERP core to be correctly processed using RFID tags on product carriers that load ad hoc information needed for downstream production and handling.

SUMMARY BENEFITS

- Global team-based delivery for scale and coordination

- Localized capabilities for responsiveness and flexibility

- Multilingual, multiskilled workforce

- SAP Strategic Partner

- Deep industry experience

- Sector-specific SAP Template

- SAP Accelerators to speed delivery in specific areas

ABOUT NTT DATA

NTT DATA – a part of NTT Group – is a trusted global innovator of IT and business services headquartered in Tokyo. We help clients transform through consulting, industry solutions, business process services, IT modernization and managed services. NTT DATA enables clients, as well as society, to move confidently into the digital future. We are committed to our clients' long-term success and combine global reach with local client attention to serve them in over 50 countries. Visit us at nttdata.com

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