THE FUTURE OF AEROSPACE AND DEFENSE WITH SAP S/4HANA®

How SAP enables greater insights, innovation, growth, and quicker decision making

protiviti ®
Global Business Consulting

SAP S/4HANA® stands as a cutting-edge platform, poised to revolutionize the Aerospace & Defense (A&D) industry by facilitating increased productivity and the establishment of a dynamic digital supply chain. Moreover, it empowers enterprises with real-time operational and financial insights while enabling compliance with industry regulations, a pivotal achievement that numerous companies ardently pursue on their journey to attain world-class status.

This platform allows companies to:

Optimize their supply chain to provide real-time visibility into inventory, procurement, and logistics, reducing delays and ensuring timely delivery of critical components.

Adhere to regulatory compliance standards reducing the risk of non-compliance penalties and added costs in an industry that faces strict regulations (e.g., ITAR, CMMC, FAR. etc.) through use of SAP GRC tools and a secure US-based cloud deployment model via SAP NS2.

Digitize manufacturing processes to streamline engineering and product design with the capability for material and discrete component traceability through to the finished product.

Foster innovation and growth by leveraging embedded and advanced tools including AI, ML and IoT to improve operational efficiency.
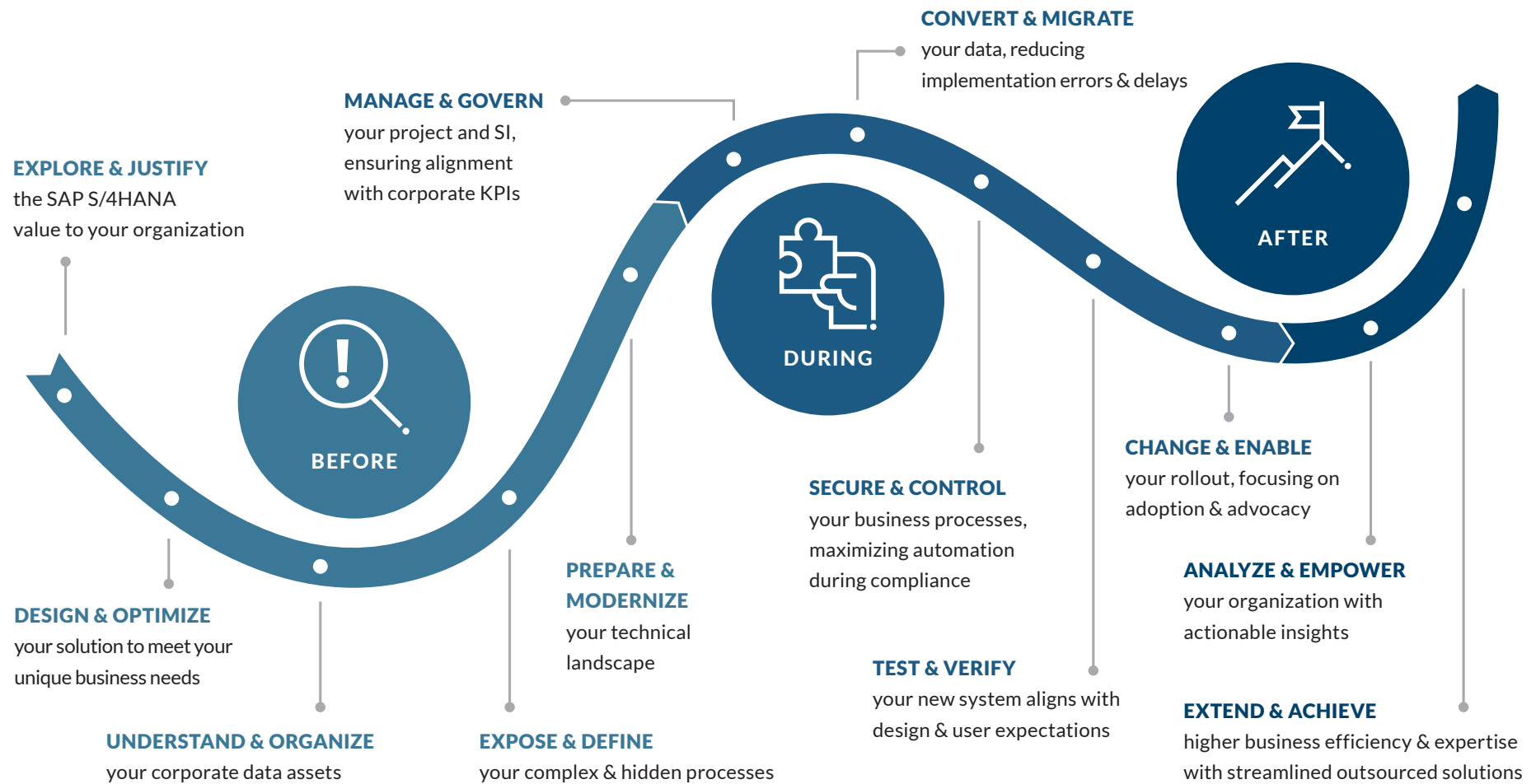
Utilize real-time data processing leveraging SAP's in-memory database and advanced analytics to facilitate swift decisions related to demand forecasting, predictive maintenance and risk management in an industry where minimizing down time is essential.

Optimize workforce management by utilizing planning analytics and reporting capabilities and by fostering and retaining industry-specific talent including staying compliant with regulations impacting contingent labor.

These advantages, coupled with the looming 2027 deadline impacting companies currently using SAP ECC, has spurred a significant surge in clients opting to migrate their SAP landscapes and transition to SAP S/4HANA.

Navigate Your SAP S/4HANA Journey with Confidence

The journey to a successful migration starts with justifying the value, creating a strong business case and developing a sound strategy. This will be a multi-year journey to realize that value, with ups and downs that must be continually monitored to keep the journey on track. Having good people, processes and technology to make sure the focus is not only on the end-point of the migration, but on the long-term digital transformation of the organization. This provides Aerospace & Defense companies with the opportunity to strategically enhance profitability, elevate product and service quality, all the while adeptly navigating intricate sustainability and financial regulations. Protiviti works with customers in every phase of this journey, which is outlined below:

CONVERT & MIGRATE
your data, reducing implementation errors & delays

MANAGE & GOVERN
your project and SI, ensuring alignment with corporate KPIs

EXPLORE & JUSTIFY
the SAP S/4HANA value to your organization

BEFORE

DURING

AFTER

DESIGN & OPTIMIZE
your solution to meet your unique business needs

UNDERSTAND & ORGANIZE
your corporate data assets

PREPARE & MODERNIZE
your technical landscape

EXPOSE & DEFINE
your complex & hidden processes

SECURE & CONTROL
your business processes, maximizing automation during compliance

TEST & VERIFY
your new system aligns with design & user expectations

CHANGE & ENABLE
your rollout, focusing on adoption & advocacy

ANALYZE & EMPOWER
your organization with actionable insights

EXTEND & ACHIEVE
higher business efficiency & expertise with streamlined outsourced solutions

Product and Solution Offerings

RISE WITH SAP GROW WITH SAP

Common issues addressed:

Roadmap planning and implementation strategies that focus on business processes, solution design, secure & compliant infrastructure, and the deployment of SAP S/4HANA.

Our focus areas include:

- Digital Roadmap
- Solution Design
- Federally Compliant Cloud Strategy
- Project Management & Governance
- Testing Strategy & Automation
- Organizational Change Enablement
- S/4HANA Data Migration

Key SAP Products:

- SAP S/4HANA Cloud Private Edition
- SAP S/4HANA Cloud Public Edition
- SAP NS2
- SAP Fiori
- SAP Business Technology Platform

DATA, ANALYTICS & AI

Common issues addressed:

Improve data quality, integration, and migration to SAP S/4HANA, streamlining data governance with proven strategies.

Our focus areas include:

- Data Quality & Governance
- Master Data Management
- Data Strategy & Warehousing
- Predictive & Business Analytics
- AI, Machine Learning & IoT

Key SAP Products:

- SAP Joule + CoPilot and AI
- SAP Data Services
- SAP BW/4HANA
- SAP Datasphere
- SAP Business Data Cloud
- SAP HANA
- SAP MDG
- SAP Analytics Cloud
- SAP BusinessObjects PCE

SECURITY & COMPLIANCE

Common issues addressed:

Streamline user and role management, identify and remove security risks (such as segregation of duties) and provide assistance to meet stringent regulatory compliance requirements.

Our focus areas include:

- Governance, Risk & Compliance
- SAP S/4HANA Risk Management
- Identity & Access Management
- Data Privacy & Cybersecurity
- Internal Audit
- Intelligent Automation

Key SAP Products:

- SAP GRC (AC, PC, RM)
- SAP Identity Access Governance
- SAP Global Trade Services
- SAP Watch List Screening
- SAP Business Integrity Screening
- SAP Enterprise Threat Detection
- SAP AVM by Pathlock

FINANCE TRANSFORMATION & PROCESS OPTIMIZATION

Common issues addressed:

Provide SAP S/4HANA implementation support, drive finance, manufacturing, and supply chain optimization, and develop reporting and analytics strategies.

Our focus areas include:

- Business Process Optimization Financial Close
- Process Mining & Analysis
- Financial Planning & Analysis
- End-to-End Process implementation and integration

Key SAP Products:

- SAP Integrated Business Planning
- SAP Product Lifecycle Management
- S/4HANA Manufacturing
- SAP Business Network Supply Chain
- SAP Analytics Cloud Planning
- SAP Central Finance
- SAP Signavio

Customer Success Stories

Modernization of the SAP landscape by leading the Program Management Office and Organization Change Enablement

A leading Federally Funded Aerospace & Defense Research and Development Company was running an older and highly customized SAP ECC system. Protiviti provided PMO leadership, governance and risk management services as well as Organizational Change Enablement to lead the implementation project from SAP ECC to S/4HANA including a migration to the NS2 secure cloud infrastructure.

- Strong oversight of system integrator and project risks
- Tracking against agreed scope, timeline and budget
- Management of key technology challenges with SAP and partners
- Simplified application architecture

Design and implementation of key business and IT controls to secure this Aerospace and Defense organization's new SAP S/4HANA environment

A global Aerospace and Defense company was implementing a new SAP S/4HANA environment to consolidate businesses and standardize processes across air, land, sea, and space domains.

- Designed SAP business process controls and IT general controls — ensured configurations were set up in accordance with business, audit, and compliance requirements
- Developed future state business process narratives and flowcharts in alignment with the corporate SOX framework and leading practices
- Maximized reliance on automated (system) controls for business process IT
- Performed a data driven segregations of duties quantification ("look-back analysis") to validate usage of temporary elevated access was appropriate
- Assessed the technical SAP security role architecture against leading practice to validate scalability and principle of least privilege

Providing business integration and subject matter expertise in a teaming environment for a complex SAP S/4HANA migration

A large US Federal government agency had released a task order for a system integrator to lead the modernization of its internal financial systems landscape which is centered around SAP. The 5-year contract included the migration of SAP ECC to S/4HANA located in an SAP NS2 cloud environment. Protiviti served as a teaming partner to the primary contractor by providing specialized expertise in S/4HANA strategy, migration planning, deployment, and resourcing which resulted in a winning bid.

- Experience and expertise in responding to complex SAP RFPs in a teaming environment
- Thought leadership around S/4HANA migration planning, strategies and phase zero development
- Deep bench of specialized project resources with industry experience including functional leads, HANA database administrators, technical architects, integration leads, and GRC, security and controls leads

Partners

SAP Gold Partner · Adobe Solution Partner GOLD · Microsoft Solutions Partner / Microsoft Cloud · salesforce PARTNER · celonis · SailPoint · servicenow

smartsheet · snowflake · workday · FASTPATH · pathlock

Ui Path · TRINTECH · Google Cloud Partner · aws · BLACKLINE · blueprism

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