

**TRANSFORM EXPERIENCE.
TRANSFORM BUSINESS.**

HCL's Base90 Aerospace
& Defense Company for
SAP S/4HANA



EXECUTIVE SUMMARY

HCL's Base90 Aerospace Company for S/4 solution reduces risk, time and cost for companies evaluating SAP ERP as a potential enterprise solution or extending their existing SAP footprint.

Built by the most experienced team in the marketplace, HCL's Base90 Aerospace Company for S/4 solution extends SAP's technology by adding SAP industry-specific preconfigured templates, configuration and enhancements. HCL working with SAP's industry core business units has closed a number of critical gaps in the SAP.

HCL's Base90 Aerospace Company for S/4 significantly improves production, supply chain, support and remanufacturing or repair, and overhaul for the following organizations:

- Aerospace and defense manufacturers
- Construction and mining equipment manufacturers
- Industry equipment manufacturers
- Automotive manufactures
- High Tech equipment manufacturers
- Transportation equipment manufacturer

SAP software comes with embedded best practices, industry solutions, and supplier and customer portals. HCL's experience has been that while organizations are unique, the core business processes are not. Rather than re-invent the wheel for each customer, HCL decided to develop HCL's Base90 Aerospace Company for S/4 for the specific needs of manufacturers of complex equipment. Together with SAP, HCL's solution provides best practices for industry-specific business requirements and processes allowing your team to focus on the specific opportunities that deliver strategic value to your organization.

HCL'S BASE90 AEROSPACE COMPANY FOR S/4 SOLUTION HIGHLIGHTS

HCL has built a fully functional end-to end preconfigured solution for project-based and discrete manufacturing suitable for anyone building products that are expensive, large and often configured or engineered to suit each individual customer's needs. HCL's preconfigured template is in turn based on SAP's project-based assembly processing with:

Final assemblies being managed in a mix of configure-to-order, engineer-to-order and make-to-order product scenarios, optionally schedule using project networks.

Schedule, cost, earned value and revenue integration across design, engineering production and post deliver support activities using high-level project networks and Work Breakdown Structures (WBS)

Lower-level assemblies being either procured externally, built under subcontract or managed on a make to stock scenario, including in separate facilities.

Additional enhancements for make-to-order transfers (re-firing of final assembly line or re-allocation of project-based assemblies between customers), government contract data flow-down, automatic generation of as-maintained structure, completion and conformity check and numerous industry-specific forms and reports.

Production bills of material being managed on a parameter or date effective basis with SAP "variant configuration" used to manage pre-defined customer options and features.



HCL's pre-configured SAP solution can also be extended to system and component suppliers, defense contractors, industrial, detection, construction and medical equipment, and machinery manufacturers through comprehensive and industry-focused best-practices, step-by-step scripts, implementation accelerators, and SAP A&D Component Manufacturing specific training. HCL's pre-configured template is based on SAP's manufacturing planning and execution covering the following:

- Production bills of materials which are date effective and managing sheet metal sizes, tubing sizes, setup piece for tubing, planned scrap and alternative components
- MRP to plan for Optimal lot sizes, Re-order Point and Safety Stock, Component and Assembly Scrap, Quota Arrangements, Inter-plant demand, Alternative BoM components and interchangeability
- Monitor Material Coverages for potential shortages
- Standard and GPD costing (to handle government contracts and billing)
- Capacity planning for machines with constraints

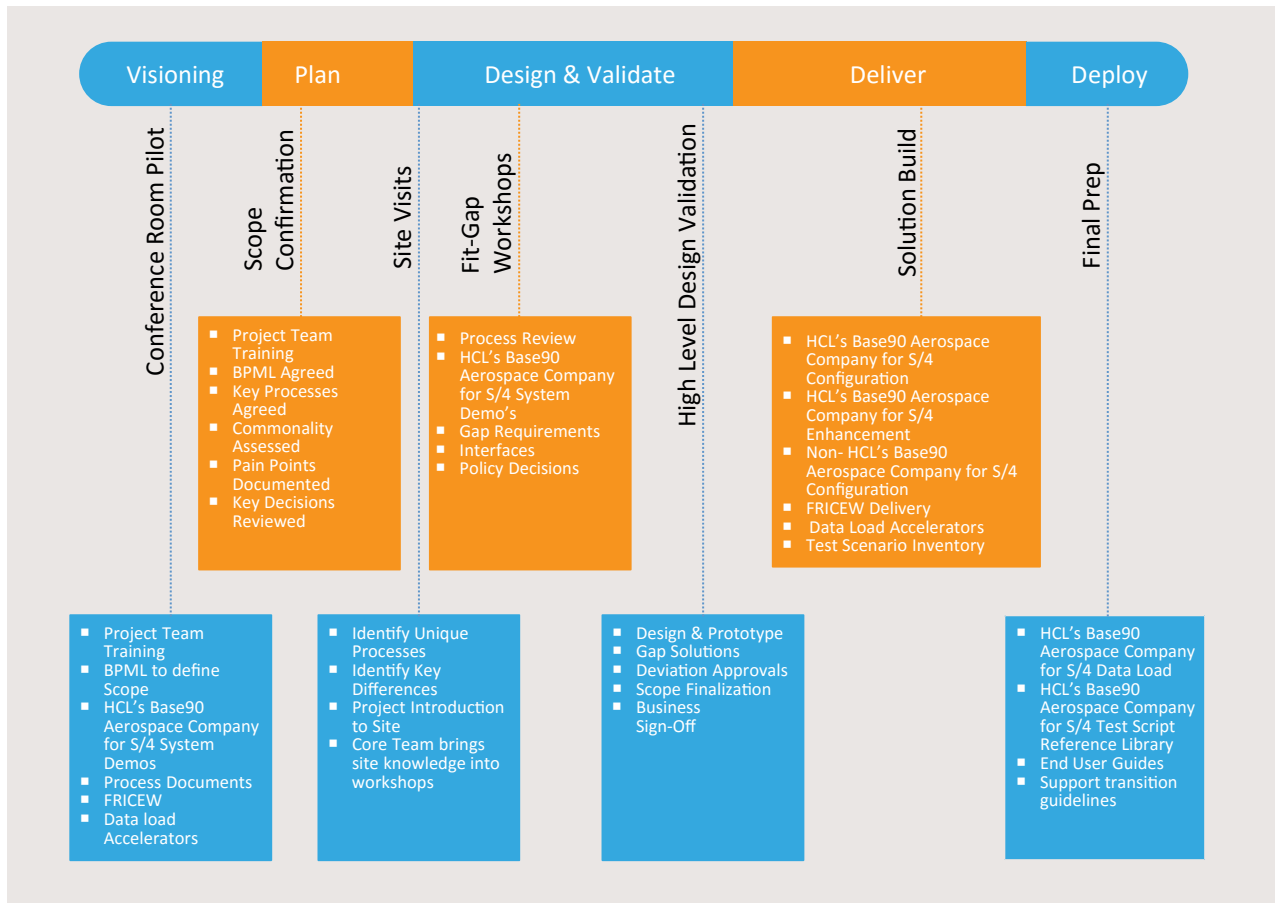
BENEFITS OF HCL'S BASE90 AEROSPACE COMPANY FOR S/4

Typical benefits your organization can enjoy from the only end-to-end seamlessly integrated ERP manufacturing suite of application include:

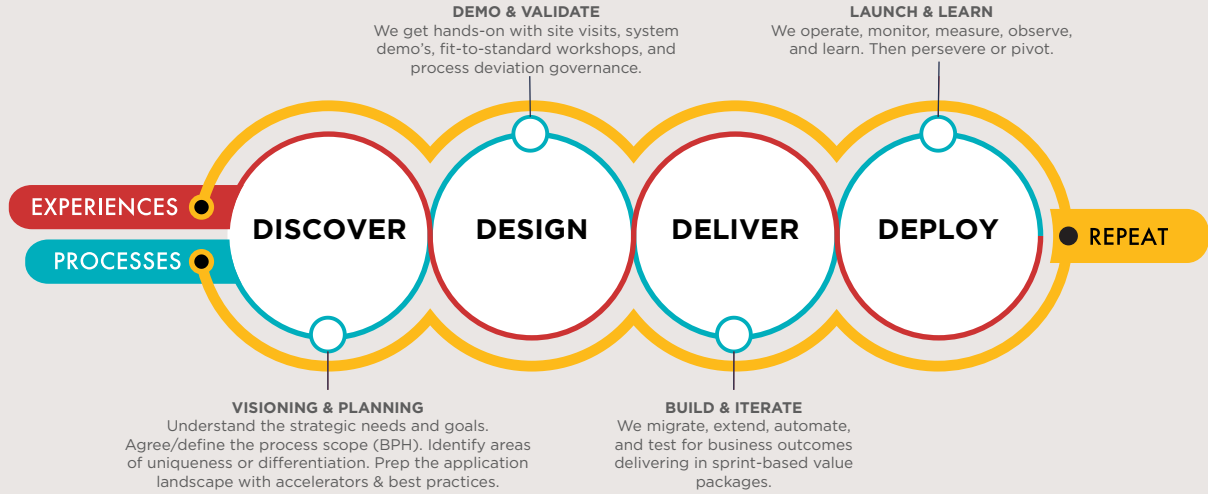
- Work-class manufacturing excellence
- Reduction in waste and lead times throughout the supply chain
- Improvements in quality and reduction in cost of quality
- Optimizing responsiveness and reducing inventory levels and transportation/expedite costs

- Ensuring government, contractual and regulatory compliance
- Achieving sustainability goals or mandates
- Reducing total IT cost ownership

HCL's Base90 Aerospace Company for S/4 Template for Complex Manufacturing based on S/4 HANA aims to accelerate business transformation along various phases of its deployment using Activate+ methodology on the following lines.



HCL'S ACTIVATE+ PROCESS: Experience & Validation across four Phases



HCL'S ACTIVATE+ PROCESS: Activities, Outputs, & Roles

	DISCOVER	DESIGN	DELIVER	DEPLOY
PROCESSES	○	●	●	●
Activity	Visioning & Planning	Demo & Validate	Build & Iterate	Launch & Learn
Outputs	<p>Visioning Strategic imperative, Stakeholder Interviews, Business Case, Technology Evaluation, Confirm Scope for D4X Thread</p> <p>Planning Process Scope Confirmation, Content Audit</p> <p>Organization & Content Best Practice/Base90 Readiness, Demo Data Personalization, Key Decisions Reviewed</p>	<p>Show & Tell Best Practice/Base90 Demo's, 75/15/10 workshop approach, Deviation Management, Process Mining Reviews</p> <p>Automate, Integrate, Phase Out Design for lean process execution, integration, simplification and automation</p> <p>Experience & Analytics Fiori & Personalization Defined, Embedded Analytics -Move from Insights to Actions</p> <p>Data Definition, Extraction, & Profiling</p>	<p>Building Process Extensions (Global Template), TLS (Tax/Legal/Statutory), Automation, Interfaces, Telematics & Instrumentation</p> <p>Validation Agile Ceremonies (incl. show & tell) for Continued Bus. Engagement & Acceptance Continuous Testing: Unit & Single Test, Key User Testing, Progressive Testing, Automation Asset Library</p> <p>Data Transformation & Loading</p>	<p>Deploy when Ready Business Readiness, Change Management, Final Prep, & Cut-over</p> <p>Data Definition, Extraction, & Profiling</p> <p>Operate, Monitor, Measure, Improve Hyper-care, Process Reporting, HOTS DevOps</p>
Lean Principles	Agile Essentials, Avoid Big Up Front Design (BUFD), Lean Tooling	SAFeAgile Planning Increments, Scrum Teams, 2 & 4 week Sprints, Product Backlog Grooming, Scrum of Scrums Integration, Lean Hypothesis Benefits Cards for Deviators	Enabler > Feature Builds, ATDD/TDD build, Build MVP. Prioritize Build with Minimum Marketable Features (MMF)	Deploy when Ready, Evaluate, Observe, Surveys, A/B Testing, Process Mining Analytics. Iterate: Persevere or Pivot.
Roles	Solution Architect, Business Architect, Technologist/Tech Arch	Solution Architect, Technologist/Tech Arch, Change Team, Functional Team, Dev Team, Test Team, Business & IT Team	Solution Architect, Technologist/Tech Arch, Change Team, Functional Team, Dev Team, Test Team, Business & IT Team	Solution Architect, Technologist/Tech Arch, Change Team, Functional Team, Dev Team, Test Team, Business & IT Team

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HCL