



# Case Study of SAP S4 Hana Implementation

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**VERSION:**

DATE	AUTHOR	VERSION	CHANGE SUMMARY
June 5 <sup>th</sup> 2024	Pratham Jain	1.0	Initial Draft

## Case Study:

### SAP S/4HANA – End-to-End Digital Transformation for a North India-Based Automotive Components Manufacturer

#### Executive Summary

This document outlines the successful end-to-end implementation of SAP S/4HANA for a Tier-1 automotive components manufacturer based in North India. The engagement led by Revinfotech focused on streamlining operations, enhancing transparency, and delivering real-time analytics across the enterprise.

By replacing the legacy ERP system with SAP S/4HANA hosted on a secure cloud, we enabled the client to transition into a future-ready smart factory model, aligning operations with Industry 4.0 principles.

#### Client Overview

- **Industry:** Automotive Component Manufacturing
- **Region:** North India
- **Employees:** 500+
- **Facilities:** 3 Manufacturing Plants, 2 Warehouses
- **Client Name:** *Confidential (under NDA)*

#### Business Challenges:

- Disconnected legacy systems with manual processes
- Lack of real-time visibility into inventory, production, and finance
- Delayed financial closing cycles and compliance risk
- No centralized reporting or MIS dashboards
- High operational costs due to inefficiencies

## Project Goals & Scope

Objective	Description
<b>Business Process Standardization</b>	Align all departments under a unified ERP framework
<b>Real-time Visibility</b>	Enable live dashboards and operational intelligence
<b>Operational Efficiency</b>	Reduce lead time, inventory holding, and cycle times
<b>Regulatory Compliance</b>	Automate GST, E-invoicing, and HR compliance
<b>Future Scalability</b>	Prepare infrastructure for future plant expansions

## Project Scope

- Full lifecycle SAP S/4HANA Greenfield Implementation
- Private Cloud Hosting on CTRL S (Asia's 4th Largest Data Center)
- Integration with third-party solutions: Tally, GSTN, Barcode Systems
- User training & post-go-live hypercare

## Functional Modules Implemented

### Core Modules:

Module	Functional Coverage
<b>MM (Materials Management)</b>	Purchase Requisition, RFQ, Vendor Evaluation, Goods Receipt, Inventory Valuation
<b>PP (Production Planning)</b>	BOM Management, MRP, Shop Floor Control, Work Center Scheduling
<b>SD (Sales &amp; Distribution)</b>	Sales Order Processing, Dispatch Scheduling, Delivery, Billing, Credit Control
<b>FI (Financial Accounting)</b>	GL, AR/AP, Bank Reconciliation, Fixed Assets, Statutory Compliance (GST, TDS)
<b>CO (Controlling)</b>	Cost Centers, Profit Centers, Internal Orders, Budgeting
<b>QM (Quality Management)</b>	Inspection Planning, In-process QC, Defect Analysis, NCR workflows
<b>WM (Warehouse Management)</b>	Multi-location storage, Bin Management, Putaway/Picking Strategy
<b>HCM (Human Capital Management)</b>	Payroll, Time Management, ESS/MSS, Leave, Statutory Reports

## Technical Architecture & Infrastructure

Layer	Technology
<b>ERP Core</b>	SAP S/4HANA 2022 (Greenfield)
<b>UI Layer</b>	SAP Fiori UX
<b>Database</b>	SAP HANA In-Memory
<b>Integration</b>	REST APIs, EDI for Vendors/Customers
<b>Security</b>	Role-based access control, SSO integration
<b>Backup &amp; DR</b>	Daily Snapshots, 30-day RTO, Encrypted Cloud Storage

## Business Impact Delivered

Business Function	Pre-Implementation	Post-Implementation
<b>Inventory Accuracy</b>	~68%	>96%
<b>Financial Closing Time</b>	10-12 Days	3-4 Days
<b>Order Processing Time</b>	Manual 6+ hours	Automated <1 hour
<b>Procurement Cycle</b>	10 Days	3 Days
<b>QC Rework Rate</b>	12%	<3%
<b>Reporting</b>	Manual Excel MIS	Real-time SAP Analytics Cloud



## Revinfotech's Implementation Methodology

We followed the proven **SAP Activate Methodology**, tailored with our proprietary enhancements:

### 1. **Discovery & Assessment**

- Process mapping workshops
- Gap/Fit analysis against SAP Best Practices

### 2. **Design & Blueprint**

- Custom process documentation
- Blueprint signoff with stakeholders

### 3. **Build & Configure**

- Custom ABAP developments
- Module-wise configuration
- Data migration tools (BODS, LSMW)

### 4. **Testing**

- Unit, Integration, UAT with cross-functional teams

### 5. **Deployment**

- Cut-over planning
- Go-live & performance tuning

### 6. **Support**

- Hypercare (30 Days)
- L2/L3 support for post-go-live stability

## Revinfotech Strengths & Differentiators

Area	Value
Domain Expertise	250+ ERP Projects across Manufacturing, Logistics, Healthcare, BFSI
Global Footprint	Implementations across 25+ countries
Certified Professionals	SAP Certified Consultants, PMP-Certified Project Managers
Custom Solutioning	ABAP, FIORI Custom Apps, Custom Dashboards
Integration Experience	Barcode, GSTN, Tally, Zoho, CRM, EDI
Cloud & Infrastructure	Hosting on AWS, Azure, CTRL S – Scalable, Secure, Tier-4 ready
Industry-Specific Templates	Auto Parts, Pharma, Food Processing, and Textiles

## Change Management & Training

- 8+ training sessions across departments (Finance, Production, Stores, Sales)
- Departmental user manuals & video SOPs
- Created a digital knowledge base for internal learning
- Conducted mock drills for finance closure and monthly MIS

## Confidentiality Statement

Due to client confidentiality agreements, full company details are omitted. Detailed case information may be disclosed upon execution of a mutual Non-Disclosure Agreement (NDA).