

## SAP S/4HANA Migration for Industrial Machinery Manufacturing

### Client Overview :

A well-known company in the industrial machinery manufacturing industry sought to modernize its ERP system by migrating to SAP S/4HANA, overcoming challenges of performance, scalability, and operational efficiency.

### Project Overview :

The project focused on migrating from SAP ECC to S/4HANA 2020 FPS01 while ensuring system stability, optimizing custom code, and transitioning Z processes to standard SAP processes.

### Challenges :

- Balancing ongoing priority projects with the migration effort.
- Addressing an unstable production environment with slow performance issues.
- Managing a large volume of custom code objects (4,000+), requiring analysis and optimization.
- Implementing **Retrofit** to import catch-up transports from non-HANA systems to HANA systems.
- Transitioning Z processes to standard SAP processes.
- Ensuring SAP BO stability post-migration.
- Handling low internet bandwidth between the data center and cloud DC.
- Migrating a **2 TB+ DMS system** to the cloud and integrating it with S/4HANA.

### Technologies :

**ERP System:** SAP ECC, S/4HANA 2020 FPS01

**Tools and Technologies:** SAP HANA, ABAP, Solution Manager (Solman), SuSE Linux Enterprise Server

**Infrastructure:** Azure Cloud with high availability (HA) and disaster recovery (DR) nodes

### About Incesol

Established in 2011, Incesol is a leading provider of outsourced software development services specializing in SAP, enterprise e-commerce, mobility, and custom application development. With Headquarter in Dallas, Texas, USA, and a global development facility in Hyderabad, Telangana, India.

Incesol delivers both onsite and offshore project solutions tailored to client needs.

### Specialized in :

SAP ERP ECC, SAP S/4 HANA, SAP BTP, RISE with SAP, SAP Integration Suite, Successfactors, SAP ERP (Implementation, Integrations, Migration, Archiving, Upgradation, AMS Services (Support), etc.), not limited to.

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## Migration Approach

**System Conversion:** On-premise to Azure Cloud, Windows to SuSE

**Target Version:** S/4HANA 2020 FPS01

## Implementation Highlights

- Migrated successfully to **S/4HANA 2020 FPS01** with seamless system conversion.
- Set up **ATC (ABAP Test Cockpit)** for custom code analysis and fixed over 4,000 objects.
- Transformed Z processes into SAP standard processes for improved system efficiency.
- Enabled **standard Fiori Apps** by setting up Web Dispatcher.
- Migrated a 2 TB+ **DMS system to the cloud** and integrated it with S/4HANA.
- Established **HA in the same region** and disaster recovery nodes in a different region for business continuity.

## Engagement Model :

Fixed Project Billing

## Incesol's Achievements :

- **Enhanced System Performance:** Stabilized the production environment and improved response times.
- **Streamlined Operations:** Optimized custom code and transitioned to standard processes.
- **Scalability:** Migrated DMS to the cloud, ensuring seamless integration with S/4HANA.
- **Global Resilience:** Implemented robust HA and DR setups for uninterrupted operations.
- **Improved Resource Utilization:** Balanced multiple ongoing projects without compromising the migration timeline.

This project exemplifies Incesol's commitment to delivering innovative, scalable, and cost-effective solutions tailored to the unique needs of its clients.

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