soltius ME
Division of YASH Technologies

Case Study

AWS Migration Excellence Coupled with Seamless SAP S/4HANA Conversion Capabilities Delivers the Winning Edge for AMICO a Global Healthcare Device Manufacturer

aws partner network

Advanced
Consulting Partner

SAP Competency
Solution Provider
Immersion Day Partner

About AMICO

Incorporated in the mid-1970s, Amico has evolved swiftly to occupy a prime position in the medical equipment domain across the Middle East and North Africa (MENA). The organization specializes in design development, manufacturing, service engineering, and integrated professional support solutions for advanced medical devices. The company markets and services a broad line of surgical and diagnostic equipment and devices used within the healthcare ecosystem.

Currently, it has a strong presence in more than 15 geographies in the region. The company is on a mission to empower healthcare professionals with state-of-the-art medical interventions and technologies for supporting safer actions throughout patient care delivery.

Engagement Snapshot

Headquarters: UAE

Industry: Medical Device

Project Type: SAP S/4HANA Conversion & AWS Migration

Key Technologies: S/4HANA 1909, SAP FIORI, AWS

Business Needs

Aiming for business growth, the medical device manufacturer realized that the limited enterprise orchestration capabilities of SAP ECC 6.0 EHP4 with MS SQL 2008 and Windows 2008, operating predominantly on an on-premises infrastructure, seemed incompatible with their ambitions. Seeking to achieve better operational efficiencies with enhanced user experience, the leadership decided to invest in the latest SAP enterprise management offerings and explore the cloud advantages to redefine its strategic posture. Nevertheless, the business disruptions in the wake of the COVID-19 pandemic threatened Amico's digital transformation roadmap. This factored into its decision to upgrade to SAP S/4HANA on Amazon Web Services (AWS).

Amico teamed with AWS Advanced Consulting Partner Soltius ME to define the upgrade path and flawlessly execute the digital approach. Expecting better returns and leverage technological enhancements, Amico was looking for a highly experienced offshore service partner who would remotely collaborate with its IT teams and:

- Convert the company's SAP landscape from SAP ECC 6.0 EHP4 to S/4HANA 1909 and upgrade the underlying Operating Systems and Databases to their latest versions for optimum enterprise management experience.

- Drive custom code adaptation and improve the performance of custom reports to understand timeline estimations for production system conversion and review optimization potentials.

- Bring the SAP FIORI advantage to build intuitive UIs that can deliver a rich, cross-device SAP experience for the end-users across an ecosystem of over 30 standard applications.

- Establish a secured infrastructure in AWS and migrate Amico's SAP landscape for high availability, reliability, and security with cost optimization and continuous monitoring for optimum governance.

- Help the business to explore the benefits of SAP S/4HANA Embedded Analytics and concepts of CDS views.

- Steer seamless knowledge transfer and on-premises training sessions and workshops for Amico's in-house IT resources to help them become familiar with the AWS architecture and S4 conversions.

- Establish a robust disaster response and recovery strategy for the company's AWS-hosted SAP landscape, assuring optimum resilience.

Solutions

Given the initiative's complexity and the potential for business disruption, Soltius ME, an advanced partner of AWS and a leading IT consulting and services provider in the Middle East, was assigned to navigate the engagement.

With a thorough assessment of Amico's existing on-premises SAP landscape, we pinpointed the possible challenges in S/4 HANA conversion and AWS migration. Focusing on the required business functionality changes, the discovery of transition requirements, estimation of the upstream and downstream impact of conversions, and cloud migrations on business processes, we framed a feasible solution delivery roadmap.

The Soltius ME team recommended a five-step delivery model, ranging from developing the Proof of concept (POC), Sandboxing, Development, Mock & Quality Assurance & finally deployment into Production. After building a S/4HANA proof of concept, we ensured conversion readiness of system functionality and infrastructure while familiarizing Amico IT team with the S/4 conversion, insights on SAP S/4HANA Embedded analytics, and CDS views. Acknowledging the business-critical nature of the transition, we committed an accelerated timeline of merely 12 weeks, followed by four weeks of support for attaining a steady operational state. As part of the engagement, Soltius ME executed many firsts that innovatively solved for execution complexity. For instance, we,

- Converted Amico's SAP ECC 6.0 EHP4 landscape to SAP S/4HANA 1909, along with the underlying MS SQL 2008 Database and Windows 2008 Operating System to their 2012 or later versions, as applicable.

- Implemented SAP Simple Finance (S/4 HANA Finance) and SAP Simple Logistics (S/4 HANA logistics).

- Migrated to SAP Revenue Accounting and Reporting (RAR) 1.3 from SD Revenue Recognition already functional as part of its SAP ECC 6.0 EHP4 stack.

- Activated 20 company codes and the New General Ledger with the powerful Document Splitting tool.

- Installed and added the SAP FIORI experience to about 30 standard business applications of Amico and executed custom code adaptation that improved the performance of custom reports.

- Built a highly secure and available infrastructure for hosting Amico's SAP S/4HANA landscape in AWS and brought the Infrastructure as Code (IaC) advantage for managing and provisioning resources.

- Configured CloudWatch alerts to monitor all cloud infrastructure metrics like CPU, Memory, Disk Space availability & server availability in real-time.

- Adopted cloud cost optimization measures like a 3-year reservation of the production servers, purchasing a yearly subscription for the customized marketplace images and configuring an auto start/stop schedule for the Dev/QAS servers.

- Configured a daily server backup and retention strategy for all the AWS instances & database & log backups to an S3 bucket with a full-fledged and robust Disaster Recovery setup on AWS.

Benefits

- Delivered an exceptionally reliable, secured, and future-ready AWS-hosted SAP S/4HANA landscape for Amico with a rationalized TCO. Its high availability and access allowed Amico to **optimize and scale its business processes** across geographies.

- Elevated Amico's logistics and financial workflows, improved precision, reduced turnaround, and made **high-speed business operations management** possible by the seamlessly **scalable Amazon EC2** instances running the SAP applications.

- **Reduced operational complexities** and simplified the process to aggregate various types of log streams from the AWS servers with the help of Amazon CloudWatch. At the same time, an Amazon S3 based bucket made way for **a centralized, secure & highly durable cloud-based storage platform**.

- Empowered Amico's leadership with unprecedented agility, analytics, and insights in a single instance across multiple functions & **on-demand decision support with SAP S/4HANA Embedded Analytics**.

- Embedded unmatched responsiveness, simplicity, and **cross-platform compatibility** by reengineering standard business applications with **the SAP FIORI experience**.

- Established a single source of truth and eliminated discrepancies in resource provisioning with IaC for **cloud infrastructure management**.

- **Ensured business continuity** even in the face of disruptions enabled with continuous monitoring support to eliminate unplanned downtimes, complete with a robust DR strategy adding to Amico's **operational resilience**.

For more information contact SoltiusME today at *marketing@soltiusme.com* **or visit** *www.soltiusme.com*

SoltiusME Presence

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