



Incorporating next-gen ERP solutions

Expanding business horizons by leveraging SAP S/4HANA

CLIENT PROFILE

SECTOR

Transportation

COMPANY

Siemens Mobility

EMPLOYEES

34,000+



INTEGRATING BUSINESS PROCESSES

Siemens Mobility has been a leader in transport solutions for more than 170 years. Modern, interconnected and IT-based mobility solutions are the core competency of its four business units: Mobility Management, Turnkey Projects & Electrification, Rolling Stock, and Customer Services.

Siemens Mobility decided to integrate a new manufacturing plant located in Kragujevac, Serbia into the ERP landscape. Additionally, an approach for a new SAP ERP solution design was required. In October 2018, Nagarro was chosen as the partner to support Siemens Mobility in this endeavor.

For the integration, Siemens Mobility needed to set up a proof-of-concept (PoC) for a new SAP ERP manufacturing solution based on SAP's S/4HANA standards via a Greenfield approach.

80%

of the functional scope covered



NAGARRO MODEL COMPANY AND AGILE PROJECT APPROACH FOR QUICK TURNAROUND TIME

Nagarro's SAP Consultants together with IT and business experts of Siemens Mobility set up a S/4HANA Best Practice Manufacturing Solution based on Nagarro's Model Company. (The Nagarro Model Company is a unique end-to-end business and IT solution template for your manufacturing industry, based on 20 years of experience.)

This was the starting point for a data-driven and process-oriented fit/gap analysis of all process requirements of the Siemens Mobility plant in Kragujevac, Serbia.

The PoC followed the SAP standard agile project approach SAP Activate. The team worked out about 190 business requirements to be implemented subsequently in an implementation project.

Thereof, selected business requirements were implemented and deployed in two releases to the S/4HANA PoC system within three months.

A major challenge was to find out a way to verify and validate the integration of the Siemens finance template into the S/4HANA PoC system. To overcome this, the project team decided moving to a Cloud Platform and creating a clone of the existing S/4HANA PoC system. This approach prevented the disruption of the S/4HANA PoC system while implementing the

**100
days**

**project
duration time**



SEAMLESS INTEGRATION, QUICK, AND EFFECTIVE IMPLEMENTATION

The S/4HANA PoC system was presented onsite at the customer's manufacturing location in Kragujevac, Serbia.

- About 80% of all functional requirements needed for manufacturing of light rail cars were covered.
- Relevant master data were migrated from the existing ERP solution while in productive use.
- All implemented S/4HANA functionality was based on Fiori apps.
- The entire setup and implementation were completed in just 100 days.

**3
days**

setup time for
the S/4HANA PoC
system clone
on a cloud platform



“Nagarro well-known to us for several years. They have proven to be a reliable partner, working focused with our internal ERP experts in numerous challenging projects for our business. The achieved results in the SAP S/4HANA Serbia PoC are very valuable for Siemens Mobility and will therefore flow into the Siemens Mobility ERP strategy, which ensures the modernization of our global ERP target landscape and ecosystem until 2025.”

Andreas Umbach
Head of ERP, Siemens Mobility



ABOUT NAGARRO

Nagarro drives technology-led business breakthroughs for industry leaders and challengers. When our clients want to move fast and make things, they turn to us. Today, we are 6,000 experts across 21 countries. Together we form Nagarro, the global services division of Munich-based Allgeier SE.