

Siemens: Setting Up a Global Landscape for Innovation with SAP HANA®

SIEMENS

Siemens is well known for developing forward-looking technology that transforms industries. To get its own groupwide **IT infrastructure future ready**, the company moved to the latest version of the SAP® ERP application and migrated to the SAP HANA® platform. As a result, Siemens achieved a significant return on investment and productivity gains for more than 160,000 users.





Enabling innovation with SAP HANA®

Siemens AG

Munich, Germany
www.siemens.com

Industry

High Tech

Products and Services

Technology for the construction, energy, healthcare, transportation, and automation sectors

Employees

372,000

Revenue

€83 billion (FY 2017)

SAP® Solutions

SAP HANA® platform and
SAP® ERP application

Before: Challenges and Opportunities

- Establish an IT infrastructure with the processing power to support innovative digital technologies
- Consolidate and simplify a complex, disparate IT landscape
- Accelerate processes by speeding up access to decision-making information

Why SAP

- Superior in-memory computing power of the SAP HANA platform
- A technological foundation for innovative SAP solutions using SAP HANA

After: Value-Driven Results

- Increased productivity thanks to faster processes and real-time insights
- Reduced costs for hardware and data-center operations
- Improved business continuity for SAP solutions
- Readiness to take advantage of digital innovations, exploiting the benefits of in-memory computing and combined transactional and analytical processing

Executive overview

Company objectives

Resolution

Business transformation

Future plans

“SAP HANA has transformed the way we work and given us the **agility and processing power we need to make the most of new opportunities in the digital world.”**

Andreas de la Camp, Head of Line Europe, Center of Expertise SAP ERP Divisions, Siemens AG



Achieving excellence through innovation

Standing for engineering excellence for more than 170 years, Munich-based Siemens is a global technology powerhouse. With a reputation for quality, reliability, and an innovative approach, the company provides a range of solutions for electrification, automation, and digitalization.

Siemens has a vast IT landscape comprising 53 different ERP systems based on the SAP® ERP application, serving multiple divisions and regions around the world. Over 160,000 users rely on these ERP systems to execute day-to-day tasks and keep operations running smoothly across order processing, production planning, warehousing, customer services, and project execution.

Siemens wanted to make sure its IT infrastructure could enable the company to take advantage of cutting-edge digital technology. However, emerging solutions enabling digital transformation would require a simplified landscape and superior processing power.

“We knew that, to take full advantage of digital innovations, we needed the real-time processing provided by in-memory computing,” says Andreas de la Camp of the Center of Expertise SAP ERP divisions at Siemens. “We also wanted to help our staff work faster and more efficiently.”

To achieve these goals, Siemens decided to update its entire groupwide ERP landscape. The company moved all 53 ERP systems to the latest version of SAP ERP running on the SAP HANA® platform.

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160,000

ERP users worldwide



Using a standardized approach for a smooth groupwide rollout

A longtime user of SAP ERP software, Siemens wanted to benefit from innovations in the SAP HANA platform. The company decided to standardize its ERP landscape by upgrading all 53 systems to the latest release of SAP ERP and migrating them to SAP HANA. "We created a reference architecture for one ERP system that was adapted to all our other ERP systems. We also developed a program management schedule that enabled us to industrialize all migration projects involving SAP HANA in just a few steps and in a short time frame," says de la Camp. "This helped us to streamline our efforts and accelerate the implementation process."

The Siemens team completed the rollout within just 18 months. "A key reason why the project went so smoothly was the program governance structure we put in place," says de la Camp. "We had monthly

53

Migrations
completed within
18 months

steering committee meetings involving our CIO, heads of IT governance, and Customer Centers of Expertise for our divisions and regions. These meetings continued throughout the duration of the project and helped us plan and handle any issues effectively."

Training on SAP HANA provided to key personnel at Siemens also contributed to the smooth running of the project. In addition, early and regular communication of the benefits of SAP HANA through various channels helped users and IT staff adjust to the change.

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Speeding up processes across the enterprise

The project has significantly impacted the efficiency with which Siemens employees can do their jobs. "With the real-time processing power of SAP HANA, we can get reports in a fraction of the time that it took before," says de la Camp. "For example, material movement reporting now takes 10 seconds instead of 15 minutes, and calculating project overheads now takes 3 minutes instead of 90."

Flexible, real-time reporting is also saving time for IT staff. "With business users able to access the information they need quickly, IT staff are spending less time on 'workaround' reports," says de la Camp.

The IT landscape has been streamlined using new state-of-the-art infrastructure, and custom solutions are being replaced by standardized functionality within SAP ERP. This has cut the time spent on ongoing maintenance and updates and significantly reduced hardware and data-center costs. Furthermore, by utilizing the reliable and secure built-in capability of SAP HANA for data replication between databases and across data-center boundaries, Siemens has improved the business continuity of its SAP solutions.

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24%

Reduction in database size

60%

Increase in productivity

Up to 90x

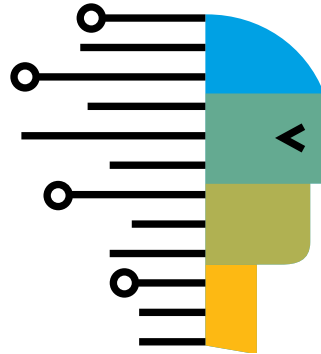
Faster reporting performance



Establishing a springboard for **future innovation**

With SAP HANA in place, Siemens is now exploring the possibilities offered by SAP S/4HANA®, a next-generation ERP suite that enables faster, more streamlined operations based on the availability of real-time information to support decision-making. In addition, the company can improve efficiency with intuitive software interfaces provided by the SAP Fiori® user experience.

Siemens is now also in a position to take advantage of innovative next-generation business solutions, exploiting the benefits of in-memory computing and combined transactional and analytical processing. "In the future, we'll be able to pursue new opportunities offered by the latest digital technologies thanks to the in-memory computing power of SAP HANA," says de la Camp. "This will help Siemens maintain its position as one of the world's leading technological pioneers."



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