What's the Best Way to Support Next-Generation Management Policies?

Travelers who want to catch the best of South Korea’s scenic views count on Korea Railroad Corporation (KORAIL) to provide a front-row seat. KORAIL had been well served for more than a decade by the SAP® ERP application, but the firm’s leaders developed a next-generation set of management policies that called for the next generation of business software to support them.

Under a project called KOVIS, for KORAIL Vision & Innovation System, KORAIL implemented SAP S/4HANA®️, including the SAP HANA®️ database to replace Oracle, for running the business. With response times slashed to small fractions of what they used to be, KORAIL is much better positioned to achieve its goal of connecting major base cities in Korea, with travel times shorter than 90 minutes by 2020. That way travelers can save time while they’re enjoying the view.
“For our IT infrastructure to be competitive on the world stage, our CEO demanded that we adopt best practices based on the very latest in modern technologies. Only SAP S/4HANA fit the bill.”

You Yung Pyo, IT Team Manager, Korea Railroad Corporation

SAP S/4HANA® is now supporting new management policies in revenue management, absolute safety, creative management and organizational reform, improved system performance, enhanced data reliability, the establishment of a responsible management system, and more.

305 km/hr
Top operating speed

3.5 million
Passengers per day

673
Stations

96.5
Customer satisfaction index
The KORAIL Vision & Innovation System Lives Up to Its Name with SAP S/4HANA®

The Korea Railroad Corporation needed the most up-to-date business software available to support its many modernization ambitions, and that’s what it found in SAP S/4HANA. Now, with users enjoying unprecedented response times, the company is well on its way to fulfilling the CEO’s next-generation management policies.

Before: Challenges and Opportunities
• Support new management policies
• Implement standard ERP functions for completely separate accounting for different business divisions
• Use analytics to check the status of trains and anticipate failures in time to head them off
• Improve large data processing speeds and lay the foundation for process stability
• Add to the value of rail travel through better use of IT

Why SAP
• CEO’s demand that new technologies be used to support best practices
• Desire to be world-class in IT
• Support for achieving stability through the use of the most modern technologies
• Legacy of success with SAP software and services

After: Value-Driven Results
• Cut time to perform financial information aggregation from 5 days to 3 days
• Cut time to settle accounts from 5 days to 3 days
• Made orders-of-magnitude improvements in the time required to perform daily activity reporting and to display inventory, deliveries, and the status of contracts, orders, stock, and exports
• Cut the accounting document electronic settlement approval flow from 35 seconds to 1 second
• Increased data integrity and utilization

“With its state-of-the-art in-memory computing technology, SAP S/4HANA has laid the foundation for the next generation of our KOVIS project.”

You Yung Pyo, IT Team Manager, Korea Railroad Corporation

15 minutes
To perform backup, down from 13.3 hours

3 seconds
To display railroad activity, down from 6 minutes

3 seconds
To display the order object list, down from 6 minutes

1 second
To display general ledger accounts, down from 8 minutes