



## NS-Siam United Steel Co., Ltd.

# Driving Business Process Reform Across Three Legacy Companies Through SAP ERP Renewal

**Background** NS-Siam United Steel, formed through the merger of three Nippon Steel Group companies in Thailand, had been using SAP ECC6.0 as its integrated business system, but the business processes remained unchanged from the three former companies.

**Solution** Taking the opportunity of the upgrade to SAP S/4HANA, we conducted Health Check with support from NSSOL to identify issues in the current operations. By defining the “Ideal” business processes, the operations of the three former companies were standardized.

**Outcome** With the introduction of new business processes and SAP S/4HANA, the efficiency of back-office operations and data utilization has significantly improved. The company also plans to roll out the same system to other group companies in Thailand.

### Core Technology

Business knowledge related to steel industry, SAP S/4HANA implementation and utilization know-how.

### System Overview

- ERP System: SAP S/4HANA

### Related SDGs



By implementing robust wastewater treatment, we promote proper management and sustainable use of water resources.



Working toward achieving carbon neutrality.

### Pre-Merger Operations of the Three Companies Still in Place

As a core company of Nippon Steel Group in Thailand, NS-Siam United Steel (NS-SUS), which manufactures automotive steel sheets and tinplate of cans, undertook a complete redesign of its business process for financial management, management accounting, inventory and procurement management in conjunction with upgrading its back-office system from SAP ECC6.0 to SAP S/4HANA.

Yu Furusawa, General Manager of Information & Communication Technology Division, explains the reason they not only upgraded the system but also redesigned the business processes:

‘At NS-SUS, formed through the merger of three Nippon Steel Group companies in Thailand, we had introduced SAP ECC6.0 as our back-office system, but the business processes remained unchanged from the three former companies. As a result, even though the data types were the same, the level of granularity differed among the plants of the former companies. This meant that even a simple comparison of plant data required manual processing.’

In response to the upcoming end of support for SAP ECC6.0 at the end of 2025, NS-SUS decided to redesign its company-wide business process using the latest features of SAP S/4HANA and to carry out a Greenfield type upgrade, rebuilding ERP system from the ground up.

### Committed Efforts to Standardize Business Processes

For this project, NS-SUS selected Thai NS Solutions (ThaiNS), which has extensive operational expertise in Thailand’s steel industry, and Round Two Solutions (Round2), a company with a strong track record in Greenfield upgrades and also NSSOL Group capital and business alliance partner that has been implementing SAP ERP projects in Thailand.

According to Mr. Furusawa, ‘Although they are a group company, we particularly valued ThaiNS for its knowledge of integrating plant production management system with ERP, as well as its ability to provide precise system maintenance and related support.’



### NS-Siam United Steel Co., Ltd.

**Head Office:** Map Ta Phut, Rayong Province, Thailand

**Established:** 2016

**Capital:** 13 billion THB (approx. 64 billion JPY)

**Production Capacity:**

- Cold-rolled steel: 1,000,000 tons/year
- Hot-dip galvanized steel: 360,000 tons/year
- Tinplate: 280,000 tons/year

**Number of Employees:** 1,503 (as of November 2023)



NS-Siam United Steel  
Information & Communication  
Technology Division  
General Manager  
**Mr. Yu Furusawa**



NS-Siam United Steel  
System Department  
Department Manager  
**Ms. Chalidda  
Buasuk**



NS-Siam United Steel  
Managerial Accounting  
Department  
Manager  
**Ms. Unyanat  
Na-Lampang**



NS-Siam United Steel  
Procurement Department  
Manager  
**Mr. Kanokwut  
Kaewsri**

ThaiNS also earned high praise for its performance after the project began. Designing company-wide unified business processes was a difficult task, but ThaiNS did not simply gather the requests of legacy system users. Instead, they proposed what the optimal form of a single consolidated process should look like. Based on these proposals, our ICT division, ThaiNS, Round2, and the user departments held extensive discussions and were ultimately able to consolidate everything into one unified business process. Mr. Furusawa reflects, ‘The way they facilitated these discussions and their consulting capability were extremely helpful for us.’

### Improved Operational Efficiency and Data Utilization

The new system and the business reforms have delivered significant results. Kanokwut Kaewsri, Procurement Department Manager and a user of the new system, says:

‘While the numerical improvements will become clearer over time, I can already feel that the work has become much easier.

In Procurement Department, the approval flow for purchase orders has become much simpler thanks to S/4HANA’s workflow and electronic signature features.’ Unyanut Na-Lampang, Manager of Managerial Accounting Department and a user in Finance and Accounting division, also expressed her satisfaction: ‘In our accounting operations, we can now transfer data directly from the ERP system to the BI tools, which has significantly reduced the workload related to data analysis. We can now easily collect and compare data from the three former companies.’ NS-SUS plans to roll out the newly built system to other group companies in Thailand as well. Mr. Furusawa explains, ‘Through this project, we have been able to create a pathway for standardizing business processes and sharing data across our group companies in Thailand. We hope that ThaiNS will continue to propose advanced ways to utilize ERP going forward.’

Contact Us

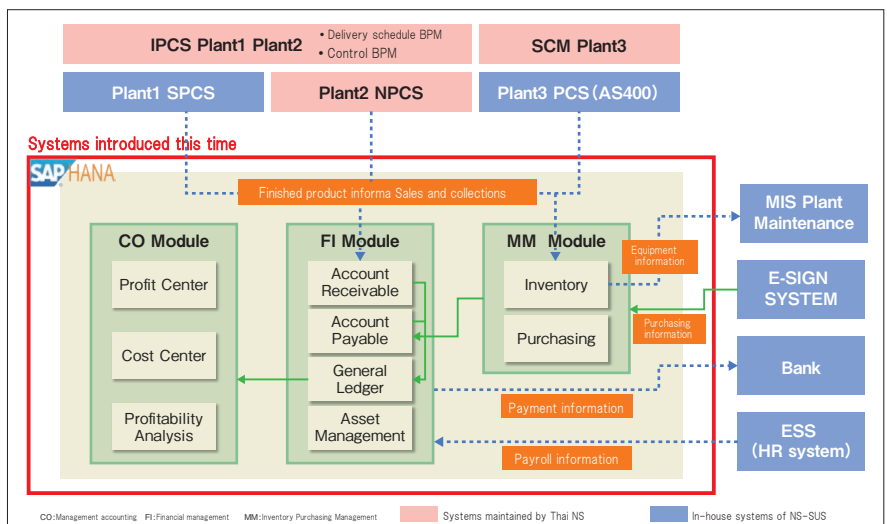


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### System Overview of NS-SUS



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