

Procurement & import management system rebuilding project

Industry Defense electronics system development
No. of Employees About 4,500 (as of 2024)
Revenue KRW 2.1 trillion (as of 2024)

Customer Comments

The order-focused procurement system now enables integrated handling of procurement, project management, and compliance monitoring all at once.

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Project Overview

Challenges

Need for a procurement system aligned with complex internal and external environments, including **business diversification and stricter regulations**

Performance and security issues due to outdated system

Need for diverse procurement functions to support business diversification

Limitations in monitoring compliance with complex regulations

Solutions

Implementing **tailored procurement functions and establishing defense-specific compliance monitoring**

Improved performance & stability with an HTML5-based system

Defense-industry-focused procurement & project management functions

Establishing a compliance monitoring framework

Results

Minimized operational gaps through **system-based procurement, project management, and compliance monitoring**

Eliminated security vulnerabilities & improved overall system stability

Enhanced visibility, efficiency, and accuracy across the procurement process

Reduced risk of operational gaps through compliance monitoring & alerts

Implemented Software Coverage

Item Mgmt.

PR

e-Bidding

Contract Mgmt.

PO/Inspection/Goods Receipt

Supplier Reg./Eval.

Import Mgmt.

Workplace

Dashboard

System Admin

Challenges

Need for a procurement system aligned with complex internal and external environments, including business diversification and stricter regulations

Hanwha Systems had been using a procurement system built more than twenty years ago, adding functions over time. This led to issues such as slower performance and limited capacity for handling data simultaneously. The system was also vulnerable to security risks because it relied on ActiveX and an old Internet Explorer framework, making upgrades urgent.

As the procurement environment evolved and the company's business expanded, new functions were needed to support diverse material purchases. Growing regulatory complexity also required continuous monitoring of compliance, creating the need for a system that could better support the new operating environment.

Our Solution

Implementing tailored procurement functions and establishing defense-specific compliance monitoring

Hanwha Systems defined improvement needs through its internal PI(Process Innovation) initiative, and Emro built the new procurement system based on this direction.

The outdated system was completely rebuilt to improve speed, processing capacity, and stability, and the new HTML5-based design strengthened security and enabled use across multiple web browsers. Beyond core tasks such as quotations, PO, and receiving, project management activities that buyers previously handled individually were integrated into the system so they can be processed in one place.

Compliance monitoring feature was also added, including checks for subcontracting law requirements. In line with the new price-indexation rules, the system now allows buyers to manage all related tasks in one place without separately negotiating with each supplier or manually tracking raw material price changes.

Results

Minimized operational gaps through system-based procurement, project management, and compliance monitoring

The new procurement system removed security vulnerabilities, improved stability, and added convenient features that significantly enhanced usability. Project support tasks and supplier payment schedule management, which were previously handled individually, are now processed within the system. Electronic contract creation, supplier review, and approval were also automated, improving visibility and efficiency across the entire procurement process. Quotation comparison and overseas logistics management were systemized as well, enabling more accurate and transparent work based on data.

In the defense industry, strict compliance with laws such as the Subcontracting Act, the National Contract Act, and the Defense Acquisition Program Act is essential. The new system automates contract-related tasks, including price-indexation agreements, and strengthens monitoring and alerts for payment schedules. This minimizes the risk of operational gaps and has been highly appreciated by procurement staff.