

## Next-gen SRM system implementation & upgrade project

Industry Semiconductor·Display equipment manufacturing

No. of Employees About 1,480

Revenue KRW 748.2 billion (as of 2024)

📅 2023.02~12 / 2024.08~11 / 2025.01~02

### Customer Comments

**Tailored procurement functions for semiconductor equipment manufacturing cut delivery-schedule management time by 50%.**

Jaesik Kwak, Manager, Procurement Team, WONIK IPS

### Project Overview

#### Challenges

Difficulty achieving **efficient procurement operations & supplier communication** due to fragmented systems

Procurement tasks conducted through ERP and email

One-way supplier communication & insufficient mgmt. of delivery/schedules

Lack of transparency due to offline-based supplier selection

#### Solutions

Implementing **semiconductor-focused procurement operations** and enabling efficient supplier collaboration

Establishing a procurement process specialized for manufacturing

Introducing a system-based framework for supplier collaboration management

Setting up a structured supplier registration and evaluation system

#### Results

**Improved efficiency** through item-level management, **reducing delivery-schedule management time by over 50%**

Conducting procurement activities & utilizing data based on item characteristics

Improved procurement efficiency, including delivery schedule management

Strengthening transparency in supplier bidding/selection, registration/evaluation

## Implemented Software Coverage

Market Research

PR

Bidding/Supplier Selection

PO/Inspection/Goods Receipt

Settlement Mgmt.

Supplier Reg.

Supplier Eval.

Workplace

Dashboard

System Admin

## Challenges

### Difficulty achieving efficient procurement operations & supplier communication due to fragmented systems

WONIK IPS used different systems(ERP, groupware, email etc.) for each step of the procurement process, including purchase request handling, item checks, drawing distribution, and quotation review. This created fragmented workflows and limited visibility across the entire procurement process.

Frequent schedule changes were also common in semiconductor equipment manufacturing industry due to customer investment plans or equipment delivery schedules, which required constant communication with suppliers. The existing work methods made this difficult. To improve efficiency and convenience and strengthen collaboration with suppliers, WONIK IPS sought to build a new procurement system.

## Our Solution

### Implementing semiconductor-focused procurement operations and enabling efficient supplier collaboration

Emro built an integrated procurement system tailored to the procurement processes of WONIK IPS and supporting the entire purchasing workflow. The system includes **customized features that reflect the semiconductor equipment manufacturing environment**. For example, it allows separate configuration for specific items such as consigned materials, where WONIK IPS purchases raw materials and parts directly and provides them to suppliers.

For supplier selection, the system accepts quotations based on either total amount or component unit price and enables informed decision making through a comprehensive evaluation that considers not only price but also delivery and other conditions. **Communication and management tasks with suppliers can also be handled easily within the system.**

After the first system launch in 2023, through further enhancements in 2024 and 2025, **the drawing distribution system and work completion confirmation were additionally integrated into the system.** As a result, drawing based procurement for manufactured items can be handled entirely within a single system without accessing separate solutions, providing a faster and more convenient working environment.

## Results

### Improved efficiency through item-level management, reducing delivery-schedule management time by over 50%

WONIK IPS improved efficiency, compliance, and visibility in procurement by integrating its previously fragmented and offline procurement processes into a new system.

With procurement functions tailored to item characteristics, the company can now **manage item master data and procurement information in a more structured way, building a foundation for reducing lead time in product manufacturing.** Processes such as PR-unit price contract-PO were also automated, significantly increasing operational efficiency.

In particular, the improvement was most noticeable in communication with suppliers. Previously, to share frequently changing manufacturing schedules, the team had to distribute send Excel files to suppliers via email every week, collect their responses, and manually consolidate the information. With the new procurement system, these tasks are now managed centrally, **reducing the time and resources required for delivery schedule management by more than 50%.**