# FOPIS-MES

## Technology Overview

- Manufacturing integrated solutions that can be used in the field of SMEs and expanded to manufacturing big data analysis system

- Sustainable solution in terms of price and maintenance because of government-led development
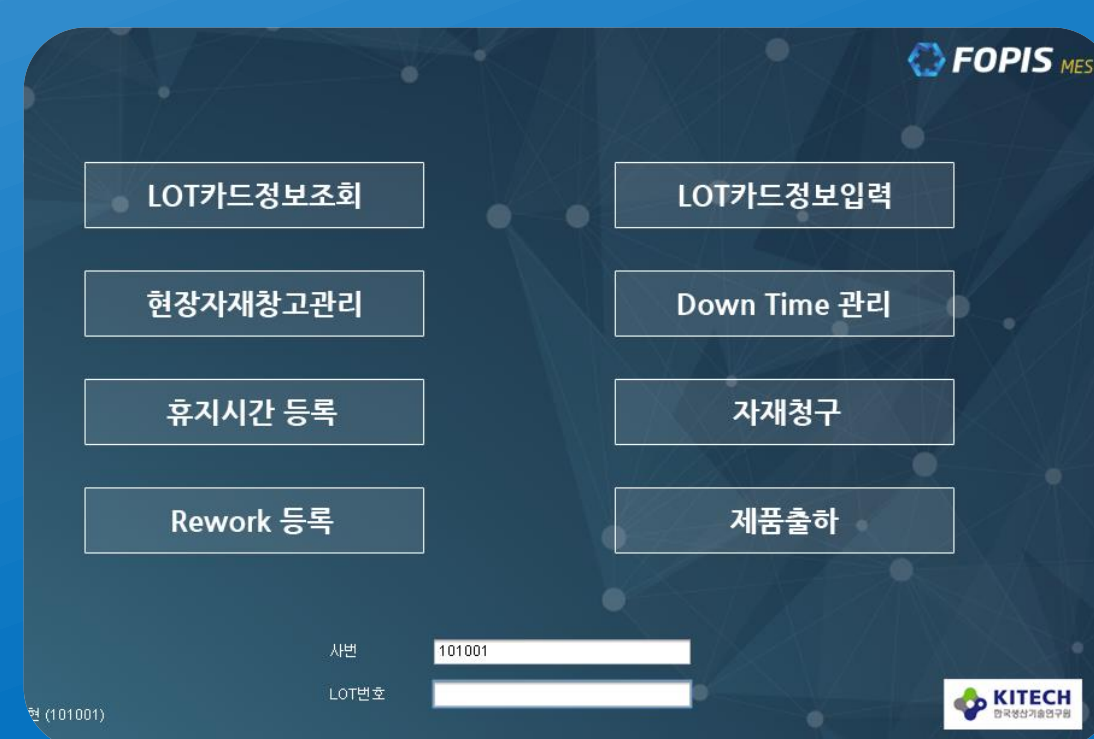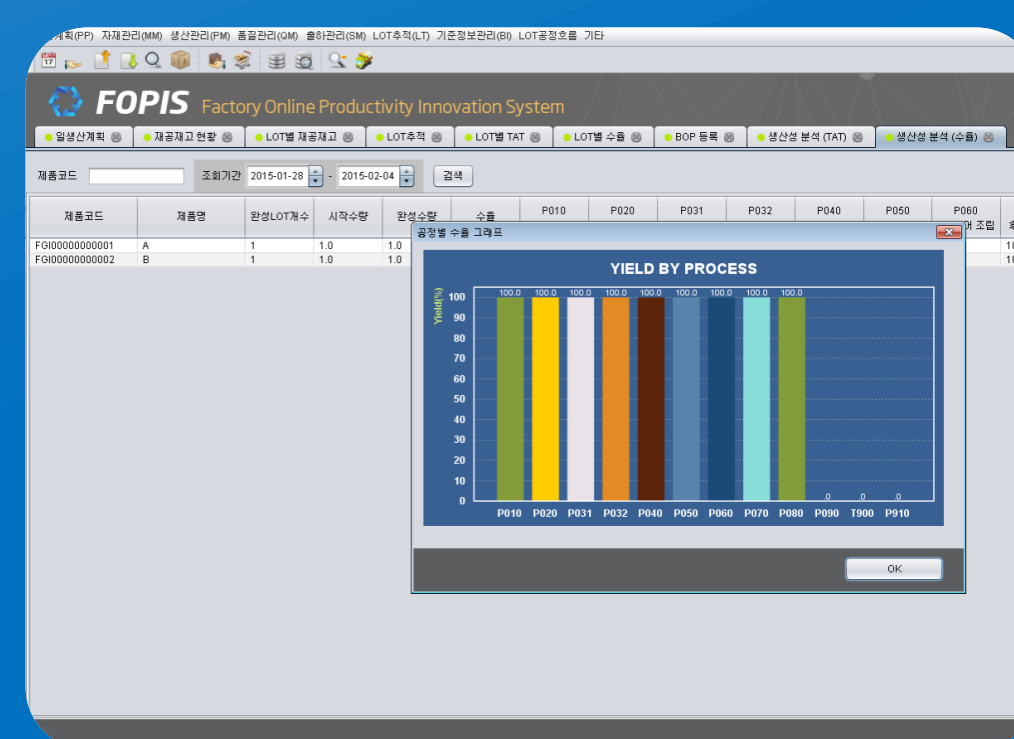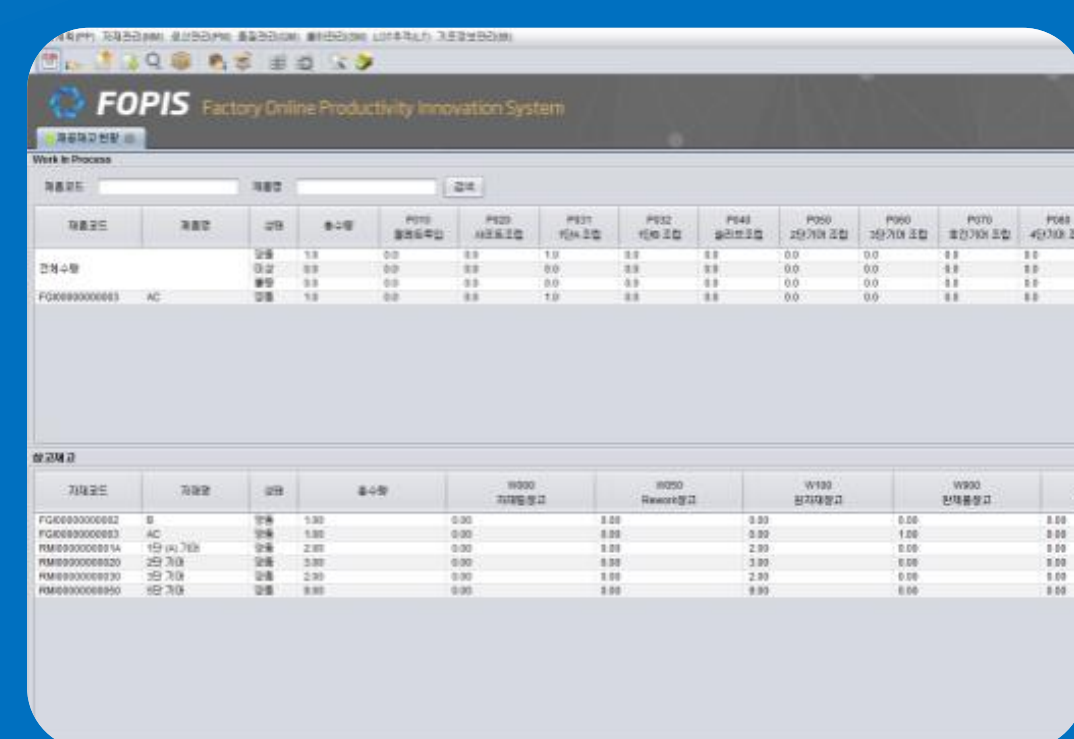
## Core Technologies

- FOPIS Access: Manufacturing process evaluation methodology

- FOPIS MES: Manufacturing execution system for SMEs

## Application Area and Advantages

- MES system provide functions for data acquisition and analysis that occurs in the entire production cycle (raw material input, semi-finished production, shipment of the final product).

- 12 main functions, 57 sub modules

- Support for entire manufacturing process (process planning and execution)

- Open source license policy (R, Maria DB, etc) and Java-based platform to solve the many problems (labor and budget) of SMEs

## Accomplishments

- Trademark registration, "*FOPIS*"(KR), 2014-01-07.

- IPR, "Method and System on Making c-MES Module Mapping Information According to the Level of Manufacturing Process of a Company", 1012278810000(KR), 2013.

- Jo, H.J., Noh, S.D., Cho, Y.J., "An Agile Operations Management System for Green Factory", IJAMT-GT, Vol. 1, No. 2, pp. 1-13, 2014. (SCIE)