FOPIS-Simulation

Technology Overview

- FOPIS Simulation is a system for the systematic and effective process management and improvement support to field managers in SMEs

- A site administrator builds a production process in a virtual space based a BOM and 4M (Man, Machine, Material, Method)

Core Technologies

- FOPIS Simulation: Process simulation with work rules and decision making module for finding and solving problems that SMEs are facing

- FOPIS Smart: Decision support tool that enables you to efficiently cope with various situations that occur in the manufacturing process design and production stages of the manufacturing company in conjunction with MES and Simulation

Application Area and Advantages

- Design a layout analysis model using a arrangement of equipment on the actual drawings; and easy process analysis model design based on product-specific BOM (Bill-of-Material) structure

- Web-based process analysis and Java-based platform to solve many problems (process bottle-necks, etc.) faced by SMEs

Accomplishments

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

- S/W registration, "*BottleneckManager*" (KR), 2012-10-18

- 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)