Efficient Resource Allocation in Mass Customization based on Service Oriented Architecture

Ali Vatankhah Barenji - Department of Mechanical Engineering Eastern Mediterranean University, Famagusta, North Cyprus
Reza Vatankhah Barenji - Department of Industrial Engineering Hacettepe University, Beytepe Campus Ankara, Turkey

Mass customization explains the phenomenon to provide a unique designed products and services to all customer by achieving a high process integration and flexibility. It has been used as a competitive approach by many companies. Adequate resource implementation in mass customization-particularly in terms of resource usage, it is therefore important to meet customer's requirement in terms effective responsiveness and meeting deadlines, at the same time offering high scalability. An architecture for solving the resource allocation issue in mass customized flexible manufacturing system was illustrated, by putting in place a couple of advance reservation systems and scheduling algorithms for effective usage of the product.

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