

ADVANCED INTEGRATION OF QUALITY CONTROL THROUGH INVENTORY MANAGEMENT SYSTEM IN A SEMICONDUCTOR COMPANY IN THE PHILIPPINES



Kierven R. de Mesa

Abstract

The current inventory system of ON Semiconductor Philippines Inc can be further enhanced due to the lack of inventory techniques that lead to some delays in some processes or elements in terms of storing and retrieving Integrated Circuits (ICs) in the staging racks. This study is aiming to apply the advanced process integration of quality control through a proper inventory management system on their system for effective inventory and monitoring purposes. Moreover, to improve their current inventory system by applying the researcher's proposed system that can lead to easy managing the staging racks in terms of storing retrieving, and monitoring of ICs for easy distribution. The proposed system generally will not just lessen the time of process present in the of storing and retrieving of ICs but also will help monitor the status of staging rucks and a the same time, it will eliminate misplaced inventory items and have an organization or synchronization among production elements.

Keywords:

Advanced Process Integration, Rack Management, Inventory

