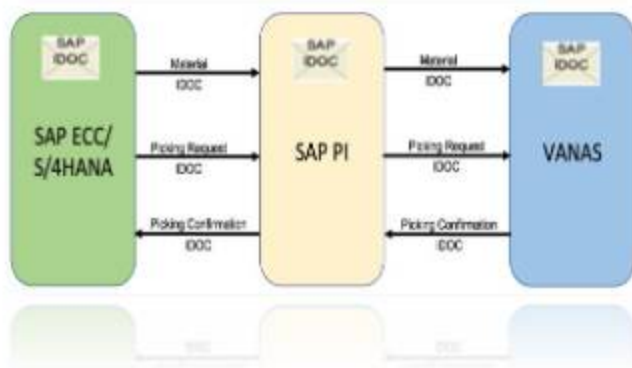


Automation of Spare Parts Picking by Integrating SAP ECC or S/4HANA with Vanas carousel

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This blog describes how picking of spare parts can be automated and streamlined by integrating SAP ECC or S/4HANA solution with Vanas carousel.

The Vanas carousel stores spare parts that are used for performing repairs. SAP is integrated with Vanas through SAP PI (SAP Process Integration) system to get spare parts, packing materials and frequently used materials for repair processes.



Vanas carousel is a dynamic solution that uses vertically rotating shelves to bring stored items to the system operator. Carousel storage system support automated put and pick operations, making storage and retrieval tasks much safer and quicker.

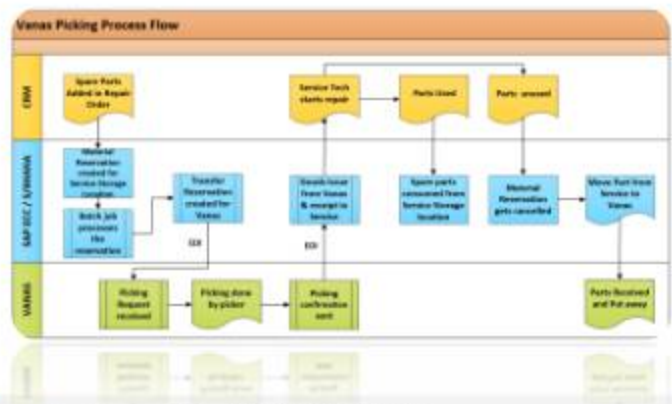
This optimizes operations and repair/production processes by making them more efficient and economical. Materials physically reside in the bins of the carousel. The system stores the bin level details for all the parts in the carousel.

While performing repairs, a technician will need spare parts, which are to be picked from Vanas Carousel.

The process steps for the same are listed below, in which repair order is processed in a CRM application, reservation and goods movements are processed in SAP ECC or S/4HANA application and Vanas is used to perform picking and put away:

1. Service Technician adds a spare part in Repair Order in CRM application, which creates a reservation in SAP system
2. SAP triggers a picking request Idoc to Vanas Carousel
3. Picker can display all the picking requests in the Vanas system
4. Picker then issues the picking command in Vanas system
5. Vanas system automatically brings the bin containing the part from vertical storage unit for physical picking by the operator
6. Once picked, Vanas system sends confirmation to SAP system for performing goods issue of the spare part/s
7. Technician gets an email of the picked spare parts and he/she collects them from a designated technician location

The process flow for picking of spare parts is as below:



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