1234 - Automate Clothing Classification

Requirements

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Change Record: 1234

Sponsor: John Doe

Project Lead: Jane Doe

Date Requested: 12/15/2021

### Change requested:

The warehouse division in collaboration with production centers is requesting that all incoming merchandise be automatically sorted before being shipped. Currently all merchandise must filter through a sorting facility to separate products before being sent to the appropriate stocking warehouse. This adds an unnecessary intermediary that is a bottleneck between production centers and stocking warehouses. Automated sorting at the end of the production line/step could allow shipment of product directly to matching stock warehouse, eliminating the need for the current bottleneck; sorting facility.

With the use of computer aided sorting and routing the resulting output is expected to increase three (3) fold.

### What problem will be solved by the change?

The company’s end user guarantee states that it will continuously adapt and improve to exceed the customer, consumer, and client expectations, providing first rate efficiency. Removing this bottleneck will help the company meet this promise and can further increasing reputation with the end users, of quality and service.

### When is the change needed?

There is no set deadline for this project, however it is requested to be completed as soon as possible.

### What is the impact if the change is not made?

The sorting facility has seen a steadily increasing backup of inventory as they are not able to keep up with the output of production. While currently not the case, at this rate, the company faces the risk of failing their promise of delivery deadlines. This implementation would not only be a solution to a creeping problem but also an advancement in throughput, overall advancing the company.

### Are there any available workarounds?

In the interim the sorting facility has increased processing capacity however this will not be a scalable solution going into the holiday season. A site-wide notice has also been posted that delivery times may be delayed currently.

### Are there any dependencies that may impact this change?

Given the current computer chip shortages, acquiring the machinery necessary to complete the automated sorting line may prove difficult and/or prohibitively expensive.

### Effort estimates:

PM 15

BA 20

TA 20

Java Dev 20

**TOTAL 75 hours**

### Targeted start and end dates:

March 2022 – January 2023