

Requirement Analysis Report

Tanya Peddi - 800968024

Shrutha Kashyap - 800962678

Sai Shanoor - 800988201

Rajia Shareen Shaik-800987058

INTRODUCTION :

- Our user is Daimler Trucks Company - its main functionality is manufacturing and assembling trucks at a count of 55 per day.
- We are providing a visualization tool for the company which explains how the plant is operating.
- Main purpose of this tool would be visualizing real time challenges faced by company such as tracking vehicles, faster decision making etc.
- Also, our focus would be mitigating challenges faced by existing tool.

REQUIREMENTS :

People at different levels in organization should be able to view their respective tasks in tool in a more efficient way.

Supervisors

- Would be more interested in knowing shortages that need their focus .
- Also, overall shift operation would be part of their interest.

Managers

- Would be focusing more on their department related tasks such as performance and no of trucks completed.
- Also, shortages and cries faced by specific shift can also be viewed by manager.

Plant Director should be able to

- View performance of the plant.
- Keep a track about the teams which are in need of help from him or any other.
- Visualize about the trucks which are moving to 100% direct runs, with no issues.

CHALLENGES :

There are 2 challenges :

- Tracking Vehicles down the line
- Key Performance Indicators of Process

PROPOSED TASKS:

- As a Supervisor, I want to see the number of items that are short in each type per day, and also whether they are resolved.
- As a manager, I want to know on a daily basis as to how many vehicles required repainting, and how many were resolved.
- As a plant director, I want to know the progress of overall vehicles through various locations on each day.
- As a department manager, I want to identify how many cries were addressed by each team per day.

DATA

- Cries on the Line:
 - Loc: location of the Cri
 - VEH_SER_NO: Serial number of the Vehicle
 - INSP_COMT: Comments by the Inspector/QA doing the Inspection
 - FOUND_INSP_TEAM: Team code, shift & Area of the Cri
 - RESP_INSP_TEAM: If QA has identified a cri that belongs to one department, but works in another, a department code will be assigned here.
 - RESP_INSP_OPRUNT: Team code for RESP_INSP_TEAM.
- Item Short:
 - TS_LOAD: TimeStamp
 - ITEM_NO: Item ID that is shorted.
 - SHORT_TYPE_CD: Code for the Short Type. Eg: In Building(B), Truck (T), Offline(O) etc.
 - RESOLVED: If the issue is resolved or not.
 - VEH_SER_NO: Serial number of the Vehicle
- Paint:
 - TS_LOAD: TimeStamp
 - PAINT_COMP: Component that needs to be painted.
 - REPAINT_REQ_INDC: if the issue requires significant amount of work

- VEH_SER_NO: Serial number of the Vehicle
- Location:
 - TS_LOAD: TimeStamp
 - SYS_DESC: Description of the System issue
 - VEH_SER_NO: Serial number of the Vehicle
 - OPR_NAME: Operation Name for eg: Chassis Start, Top Station etc.
- Shop Calls:
 - TS_LOAD: TimeStamp
 - SC_STATUS_CD: Status of the issue. (RESOLVED, VERIFICATION etc)
 - TSO_SPLIT_NO: (NEED EXPLANATION)
 - VEH_SER_NO: Serial number of the Vehicle