

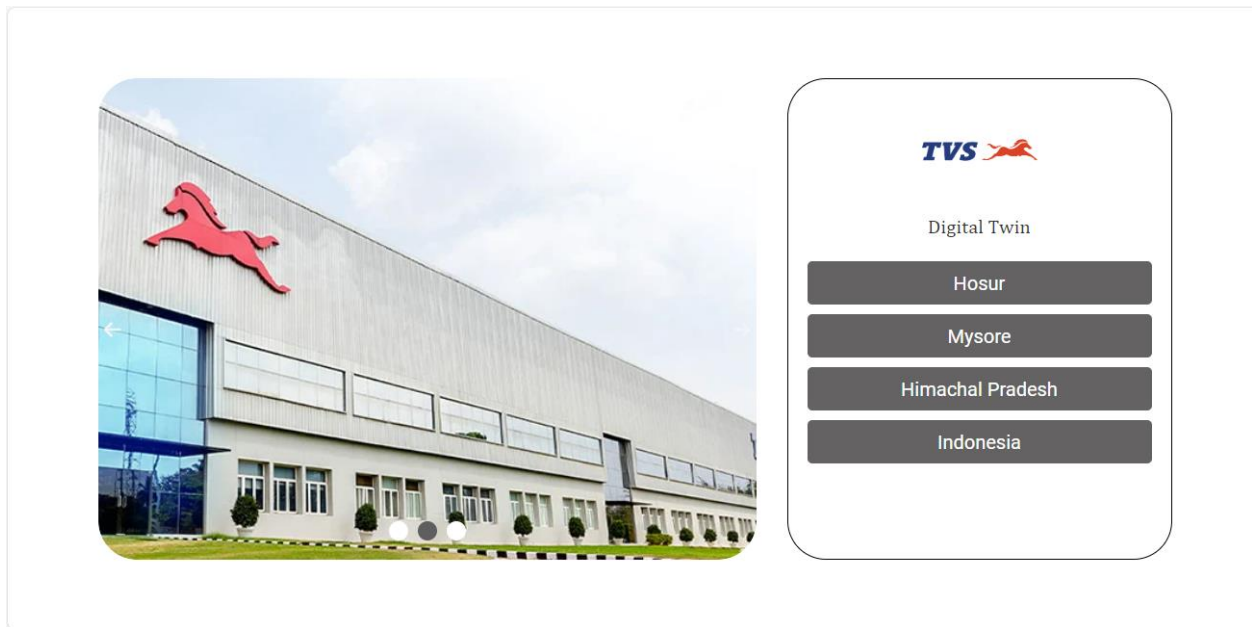
# DIGITAL - TWIN

The design involves three different screens.

- The first screen provides the hyperlink for each plant (Hosur, Mysuru, HP, Indonesia)
- The second screen displays the overall view of the stores plant-wise.
- The third screen displays the detailed view of the stores.

## Design:

### Screen 1



### Screen 2

The following information about the entire facility will be shown on the second screen.

- Analysis on KPIs
- Logistics based on the critical parts (line stopper)
- Plant Layout
- Analysis on critical parts (Line stopper)

This page has a dropdown menu to select one plant (Plant 1,2,3) which will display the above details in plant level.

Plant 1



## Screen 3

A dependent dropdown menu is used to select the corresponding individual stores (Vehicle Stores, Engine Stores) which will display the above details in store level.

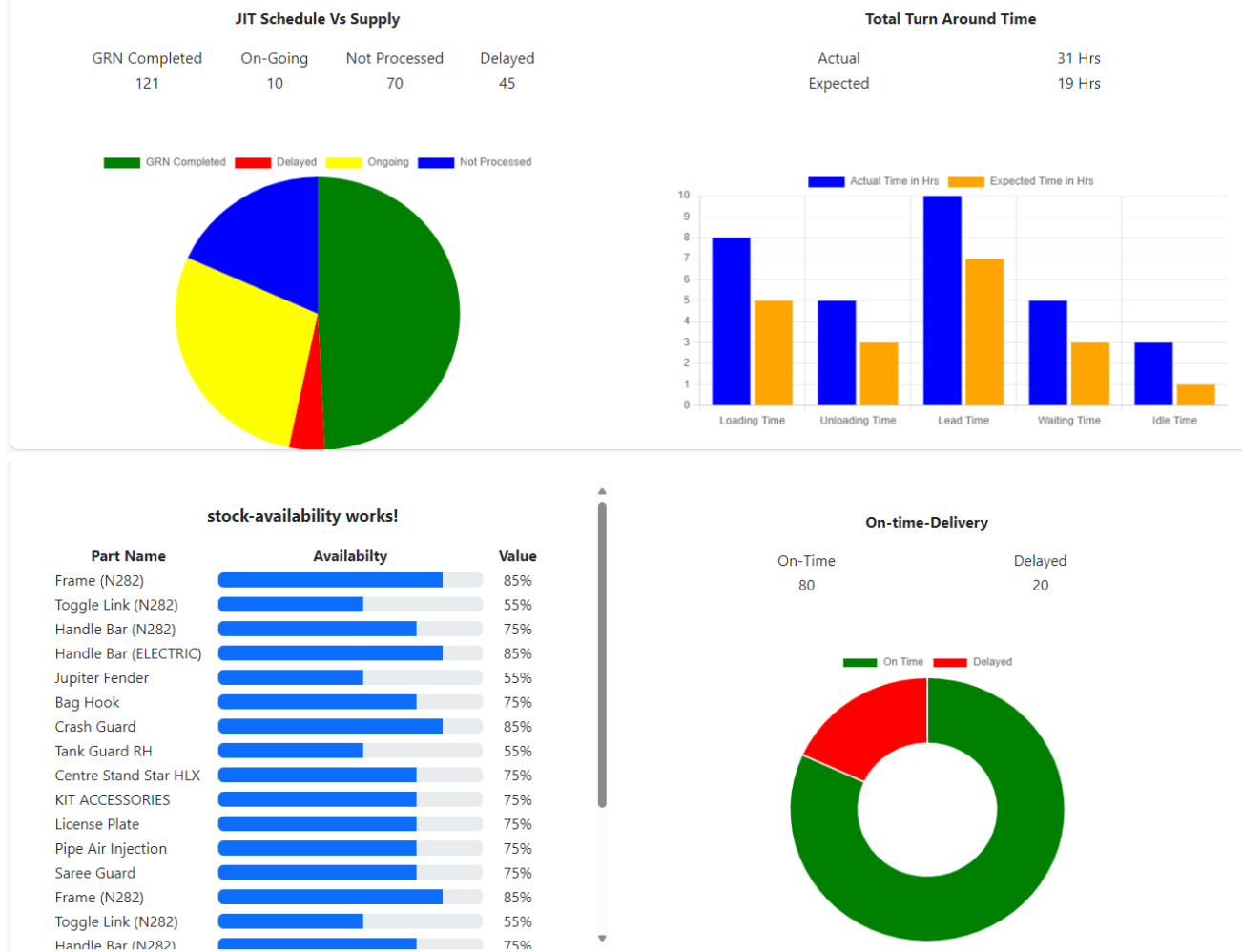
Plant 1

P1 Vehicle Stores

Plant KPI  
Logistics  
Store Layout  
Critical Parts

## Analysis on KPIs

### Plant 1 Vehicle Stores



#### i. JIT Calls

1. GRN Completed, Ongoing, Not Processed, Delayed
2. QPR, JIT Score – Delivery performance vs Score
3. Detailed view of all the JIT calls for each supplier [Plan, Till-Date, JIT Triggered, Actual]

#### ii. KPI's

1. Truck Turn Around Time
2. Lead Time
3. Dock to Dock Time
4. Loading/Unloading Time

## b. Stock Availability

i. **FG stock @TVSM** - Parts – Available count at stores keep on track with Avg schedule per day.

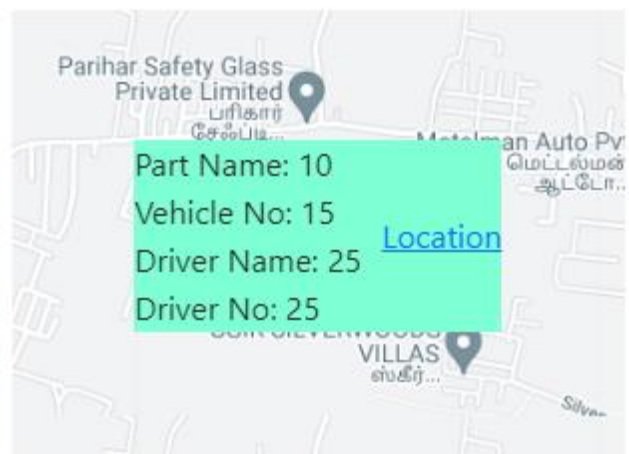
1. Color coding – [Green – More than average schedule per day, Red– Less than average schedule per day]
2. Parts – part description – Model description
3. Status – Risk, No Risk

ii. **On Time Delivery**

1. On time Delivery Percentage

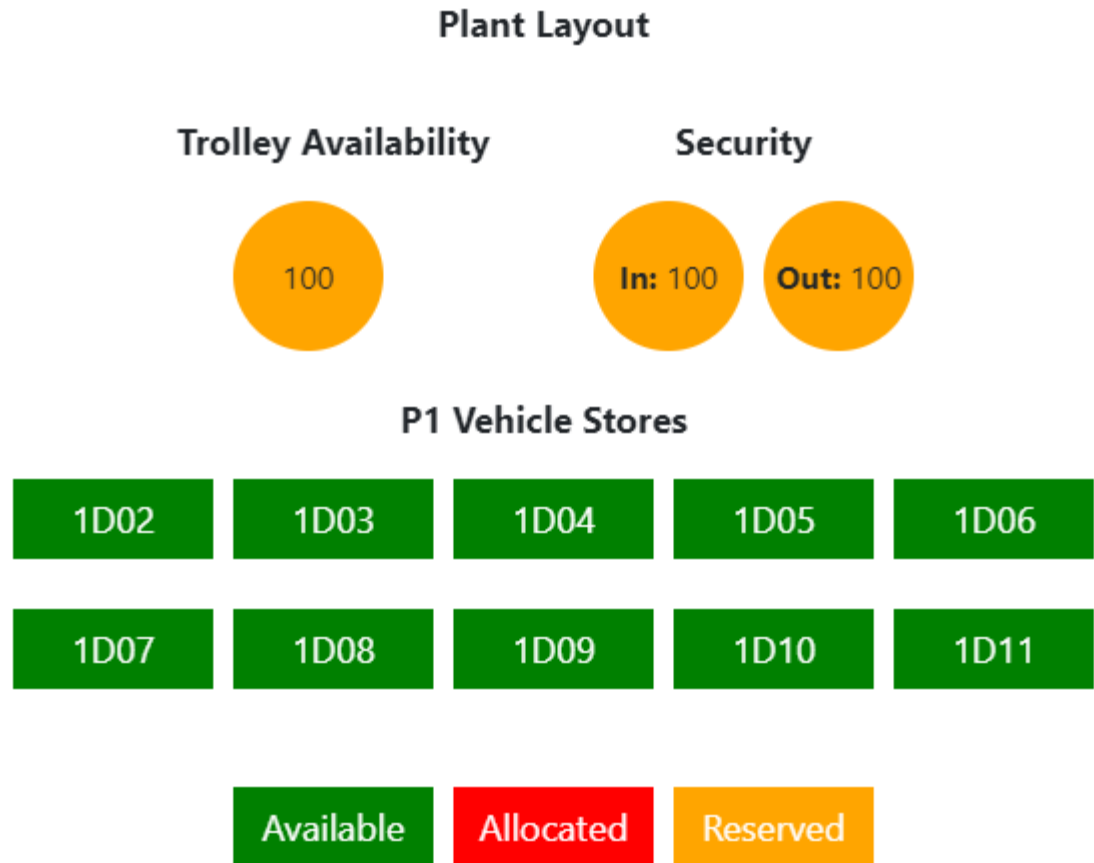
## 2) Logistics based on the critical parts (Line stopper)

### Logistics



Display the trucks that have the critical parts (line stopper) in map. Hovering the map will redirect to the enmovil page to get their live location.

### 3) Plant Layout



1. All stores
  - i. Display all the Docks.
  - ii. Display all the vehicles waiting at parking lots representing with their vehicle number.
  - iii. Color coding for dock allocation [Red – Allocated, Green-Available, Yellow-Reserved]
2. Vehicle In

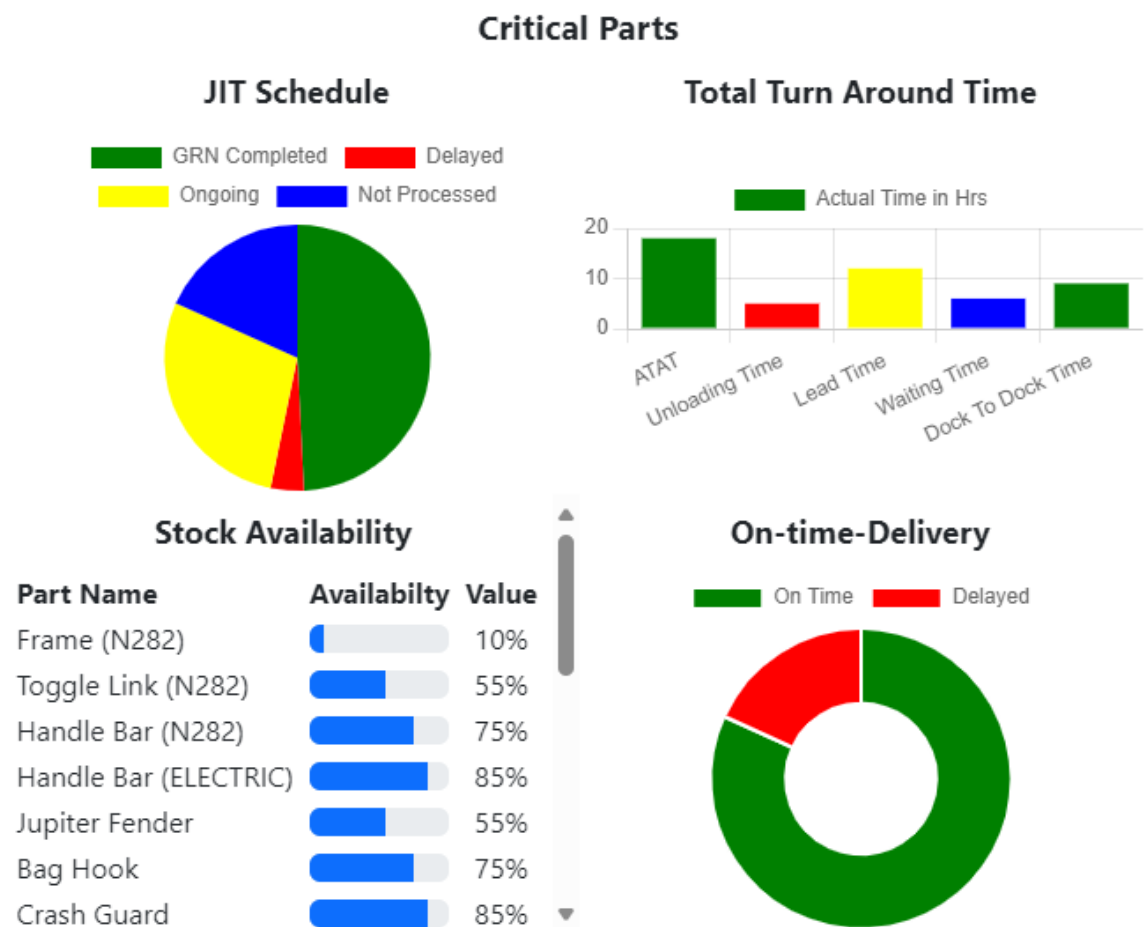
Table showing all the vehicles entered plant – mapped with the material details, driver details.
3. Vehicle Out

Table showing all the vehicles left the plant – mapped with the material details, driver details.
4. Trolley Availability

Display the number of trolleys available in all stores plant-wise.

For the entire plant layout, the docks will not be displayed.

4) Analysis on critical parts (Line stopper)



The JIT performance, stock availability and analysis of KPIs for the critical parts will be displayed.