OEE Reporting System - Manual Version 2.1

Prepared for PETCO Gulf by MetrX

Overview:

The cloud-hosted website will act as an automated and consolidated OEE reporting system that will also function as a production management and control system. The dashboards hosted on the website will allow for managerial insights as well as decision making support. By structuring the analysis for Performance, Quality, and Availability into an easy to understand visualization. The dashboards will help facilitate a better understanding of the numbers being output by the system. This is turn will essentially lead to a multitude of business intelligence insights and more informed decisions being made.

Statement of Goals:

1. Ability to input monthly data through uploading Template
2. Ability to Download and Export Data previously uploaded
3. Ability to access Dashboards sorted by metric.
4. Ability to Access Manual through Help Menu

Purpose:

This manual will help you understand and use the Website to execute the OEE reporting procedure. Procedure includes inputting data, accessing visualizations, and exporting data hosted in the database.

Background:

The site has 4 different sections, Home, Data, Dashboards and Help.

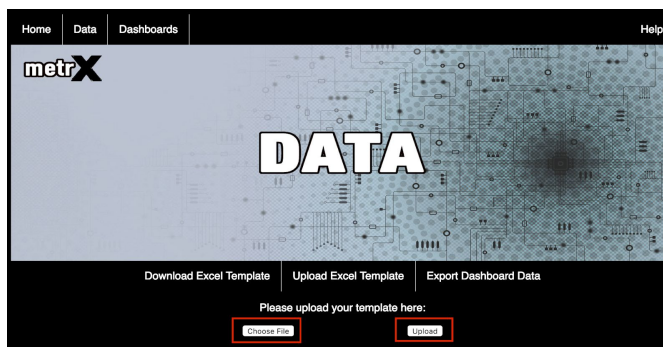There is functionality to return to the Home page from each page by clicking "Home" in the top left corner

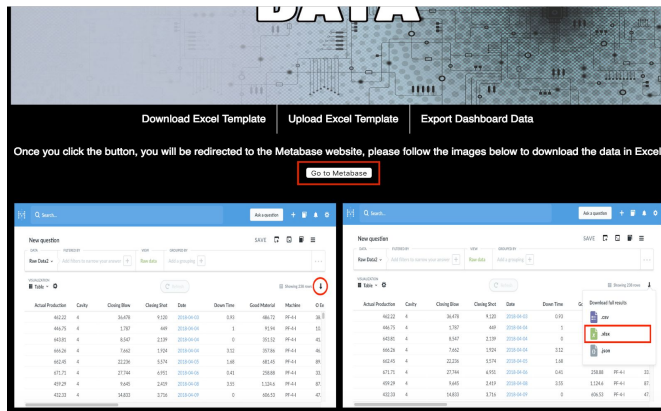***"Home"-*** Access to all other tabs through buttons in the top left corner
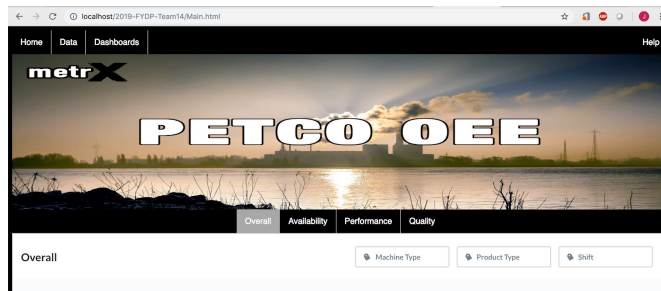

"Data"- Data related functions:

1. **Download:** Download default empty template to populate with collected data. (Refer to template instructions on page 5)

2. **Upload:** Upload completed template into database to be processed into visualizations.
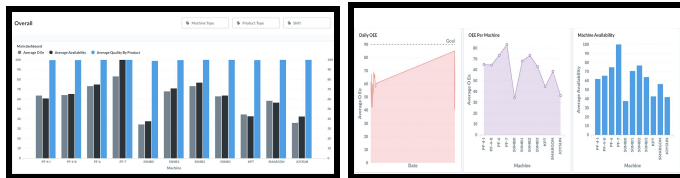
3. **Export:** Take snapshot of current data in database in order to validate or verify data errors.
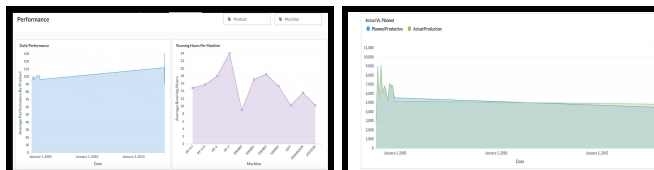

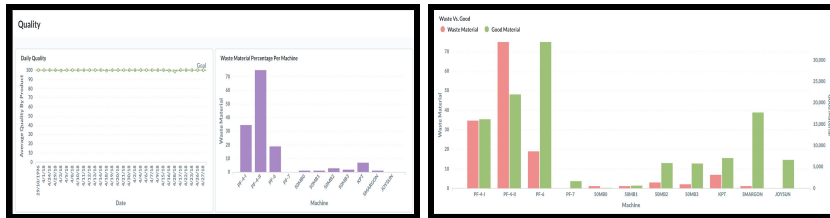## "Dashboards" - Main Page for all Custom visualization and Content Hub

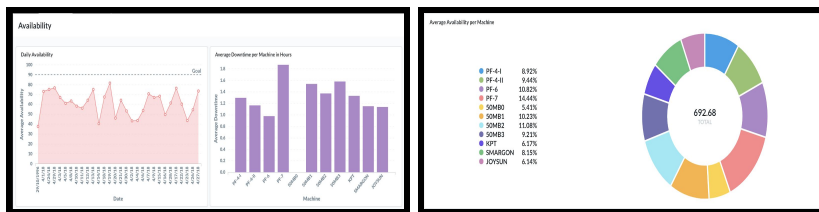1. *" Main Dashboard" -* This tab shows the main dashboard with a high level visualization of OEE and its metrics.

2. *"Performance Dashboard" -* This tab shows the daily performance of the plant, and the planned vs actual production of all machines.

3. ***"Quality Dashboard"*** - This tab shows the daily quality of the plant, and the good vs waste material of all machines.
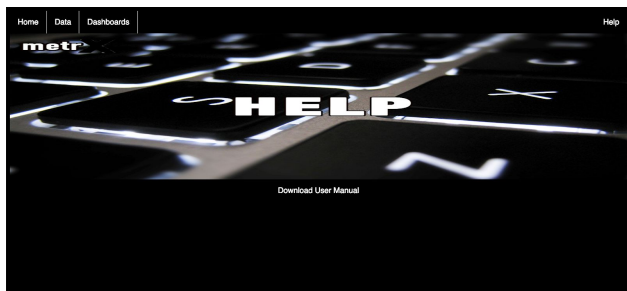

4. ***"Availability Dashboard"*** - This tab shows the daily availability of the plant and the machines.
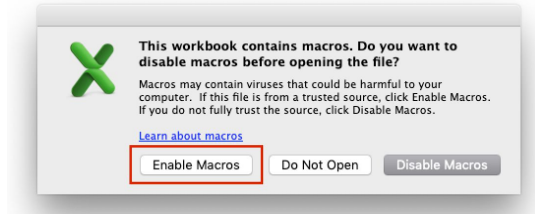

"Filter" - Furthermore, each dashboard can be further filtered by date, product, machine, and shift.

"Help" - Access Manual

Template Instructions

1. Download empty default template from "Data" tab
2. Click "Enable Macros" when opening template file.

3. Input data
4. Ensure calculations appear under yellow highlighted columns to the right

5. Click "Save As CSV" button

6. Save file

Database and visuals powered by Metabase