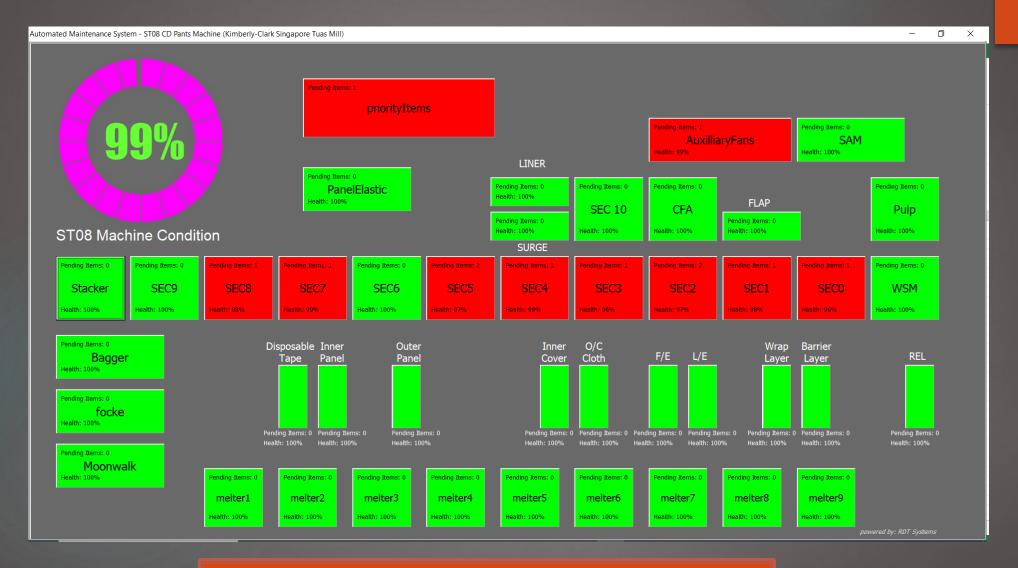


Automated Maintenance System Realization

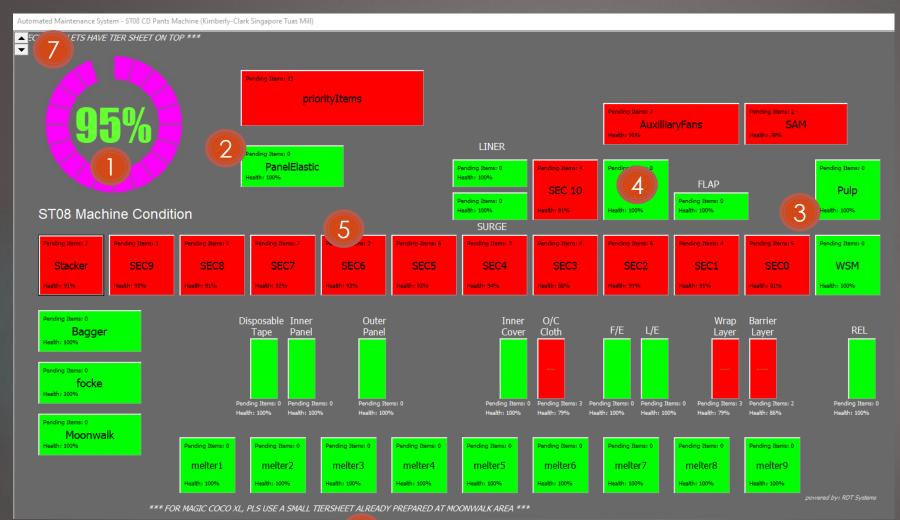
Kimberly-Clark Singapore Tuas Mill

User Interface (simple, clean, informative UX/UI in actual machine setup layout)



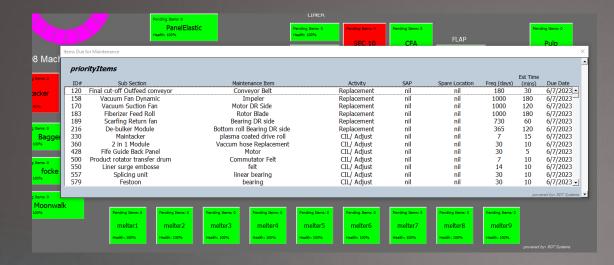
Dynamic Visual Info's and Interactive Controls

Dynamic Visual Info's

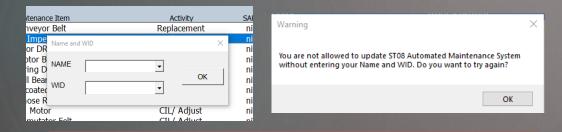


- 1. Overall machine health condition
- 2. Pending items per section
- 3. Health condition per section
- Green buttons means, zero pending items (100% healthy)
- 5. Red button shows that there is a needed maintenance item for a particular section
- Top and Bottom banners for reminders, announcements, etc.
- 7. Zoom control to fit all screen size

Interactive Controls

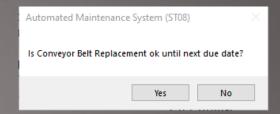


Selectable item list pops-out after a red button is clicked

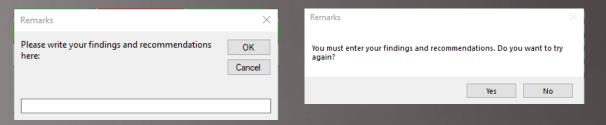


UserName and WID verication before system update is allowed

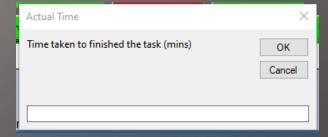
After task completion condition verification



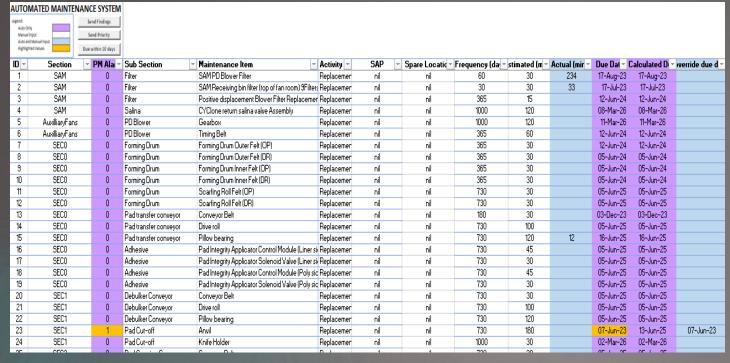
Findings and Recommendations if any



Actual Time taken on task completion



Database (in excel sheet, which everyone is familiar with and for easy data migration)



- 1. Database Auto Update from UI inputs
 - a. Date done
 - b. Done by who
 - c. Dates done historical data
 - d. Findings and Suggestions
 - e. Due date

- 2. Auto Daily Email Notifications
 - a. Priority Items
 - b. Items with Findings and Suggestions from the crew
 - c. Parts replacement due within 10 days

- 3. User Controllable Items after data review
 - a. Override Due date
 - b. Select Priority items
 - c. Button click for manual sending of updates (email)

Process Flow: Start From UI, User will click on a button Simple and User – Friendly design No Blank List will Is it Red? appear Yes Cancelled List of pending items for a particular section Yes Findings No will appear and Suggestions Entered? No User will select the Exit item row No Time Item Yes User will be required Yes Name Database condition Taken in and WID to enter his name will auto mins? ok until next and WIF match? update due date? entered Cancelled Cancelled Cancelled

System requirements:

- 1. MS Office 2019 or higher
- 2. Latest VBA Update
- 3. Dedicated PC or Shared PC but no other excel file is used on that PC cause UI in VBA form will not allow other excel file to run while it is in use
- 4. Outlook account to enable auto email sending of updates
- 5. Share point access