Automated Email CSL1 Inpection Report Sytem – APU4 CSL1

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Problem Background

- Daily QC reporting was fully manual
- Data copying and email sending were done one by one
- High risk of errors and delays

Proposal:

Using google sheet App script programming, write program to automated report by pressing 1 button

- Speed up reporting of QC issues to responsible parties
- Reduce human error
- Standardize the report format
- Enable anyone to generate reports easily

Process Flow (Before)

- QC inputs data into Google Sheet
- Supervisor filters data by date
- Copy defect information
- Manually type and send email

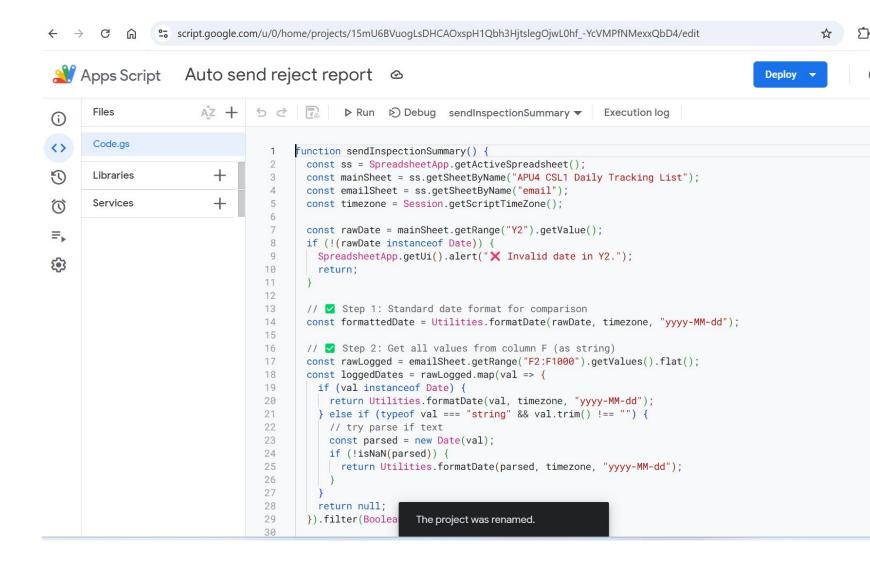
Process Flow (After)

- QC still inputs data using data entry display
- Supervisor selects the date
- Click the "Send Report" button
- System filters reject > 0 and auto-sends email to PICs

System Functions

- Select date in Google Sheet cell
- Script will reads log data to block send date report twice
- Script reads and filters data by date
- Only reject > 0 will be included
- Email is sent automatically with HTML content

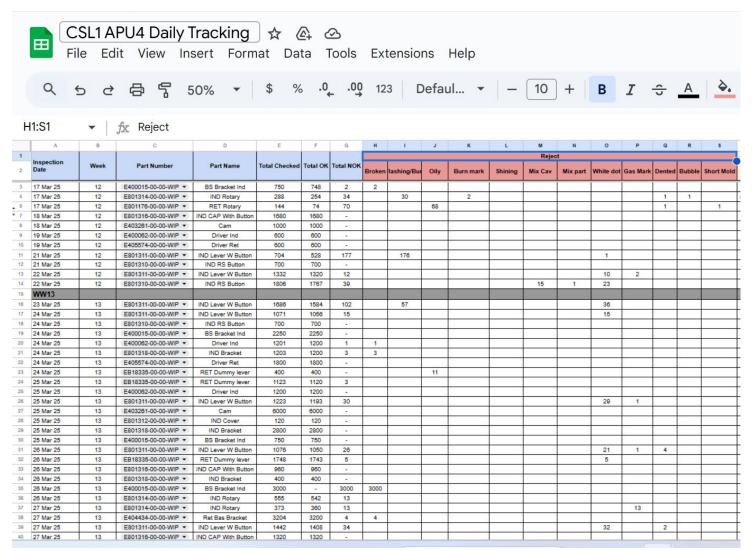
Apps Script: Java script



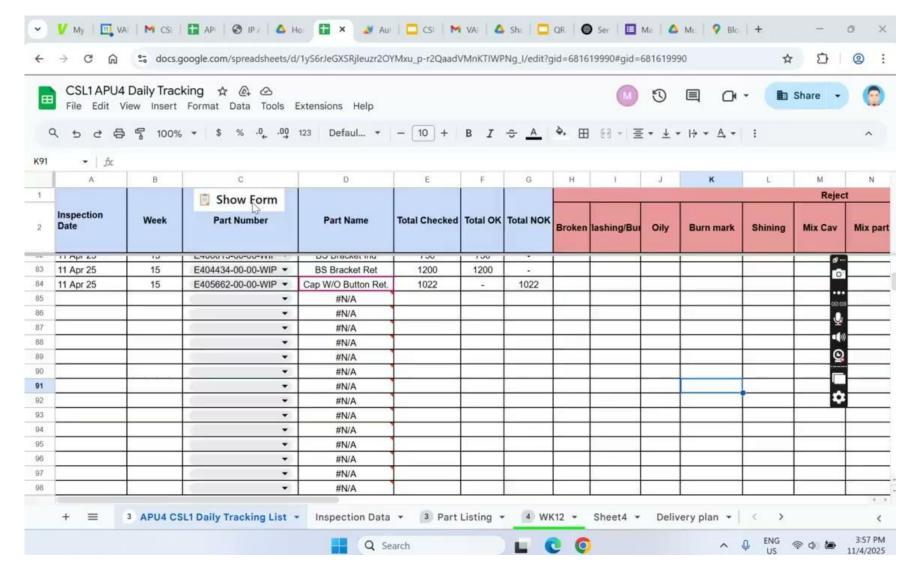
Project Benefits

- Time-saving (< 1 minute)
- Consistent report format
- No missed data
- Easy audit tracking

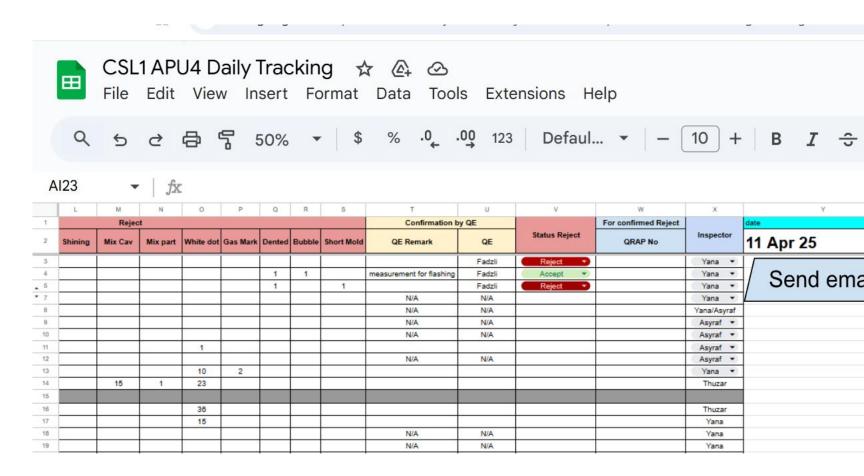
Reject Data filled by CSL1 operator-Before



Reject Data filled by CSL1 operator-After

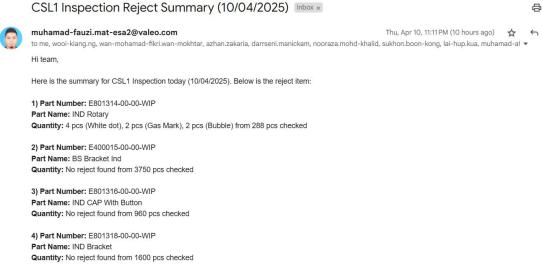


Button "send email" Auto generate ema once press it base on matches date



Sample Emel Auto-Generated

- Subject: CSL1 Daily Reject Report (07/04/2025)
- Content:
- Date of Reject
- Part Number / Na
- Quantity Reject
- Reject Type
- - Remark



Example of Auto-Generated Email

- Subject: CSL1 Daily Reject Report (07/04/2025)
- Content:
- Reject Date
- Part Number / Name
- Quantity Rejected
- Reject Type
- - Remark

Conclusion

- System successfully implemented at APU4 CSL1
- Solves delay and inaccuracy issues
- Supports efficiency and transparency in daily QC process