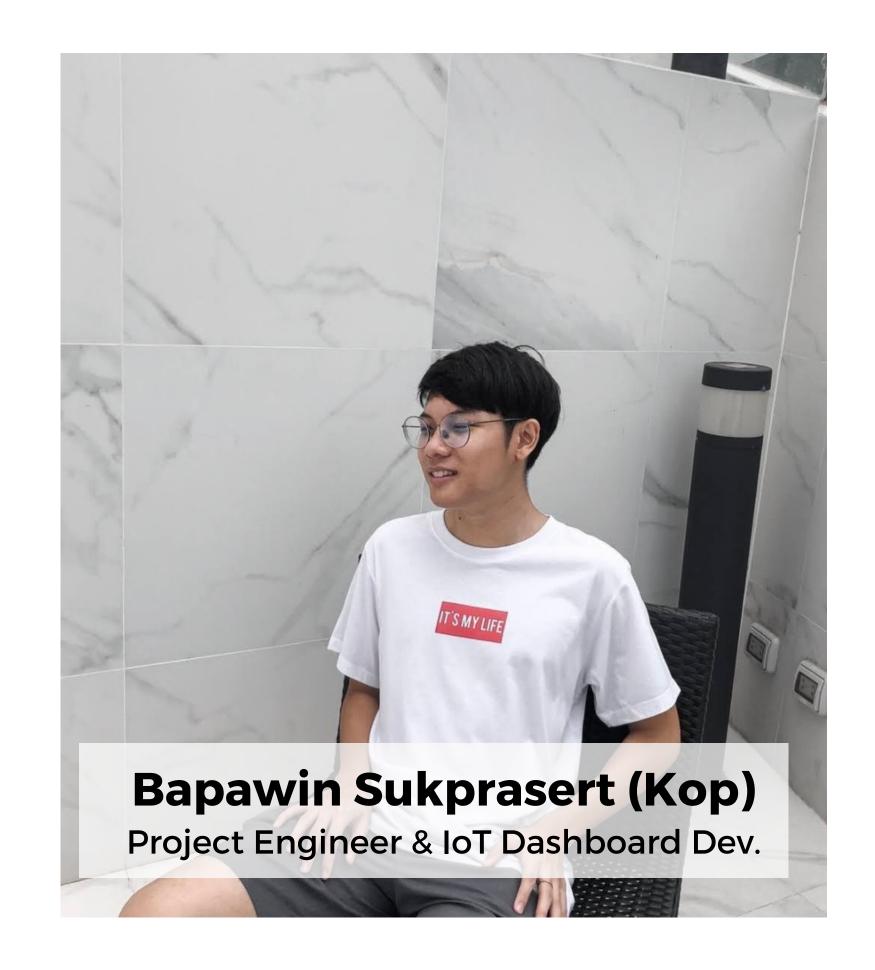
# PORTFOLIO

# ingoquing ABOUTIME

Project engineer at DENSO INNOVATIVE MANUFACTURING SOLUTION ASIA Co.,Ltd who experienced with SQL query, Python, Javascript skill programming also data visualization dashboard as Grafana and Power BI want to fully changed to Data analyst / BI developer career path.



- (Basic) HTML5, Python
- (Intermediate) Javascript, SQL query, DAX, Excel
- Database: PostgreSQL
- Data visualization: Grafana, Power BI
- Familiar with Slack, Agile & Scrum



# EXPERIENCE

### PROJECT ENGINEER & IOT DASHBOARD DEVELOPER

### **Denso Innovative Manufacturing Solution Asia**

### June 2022 - Present

- Project engineer of IoT solution for improving efficiency in production line in customer factory.
- In charge of IoT dashboard custom development to create and query data visualization from machine in Grafana and Power BI using SQL, Plotly JS and PostgreSQL database refer to customer requirement.
- User story map making co-operate with Software team and Sales team to choose MVP function for new IoT solution product

### **DATA ANALYST (INTERNSHIP)**

### **Denso International Asia Co.,Ltd**

### 2021 (Internship 4 months)

- Statistic data or graph making using Excel (VBA, Pivot) from machine data (csv) to make data report to customer.
- Automating data report preparation using Python from Excel -> PPT

# EDUCATION

2015 - 2018 Secondary School

Sang Arun School

2018 - 2022 Bachelor Degree

Thai-nichi Institute of Technology Graduated in Industrial Engineering (GPA: 3.23)

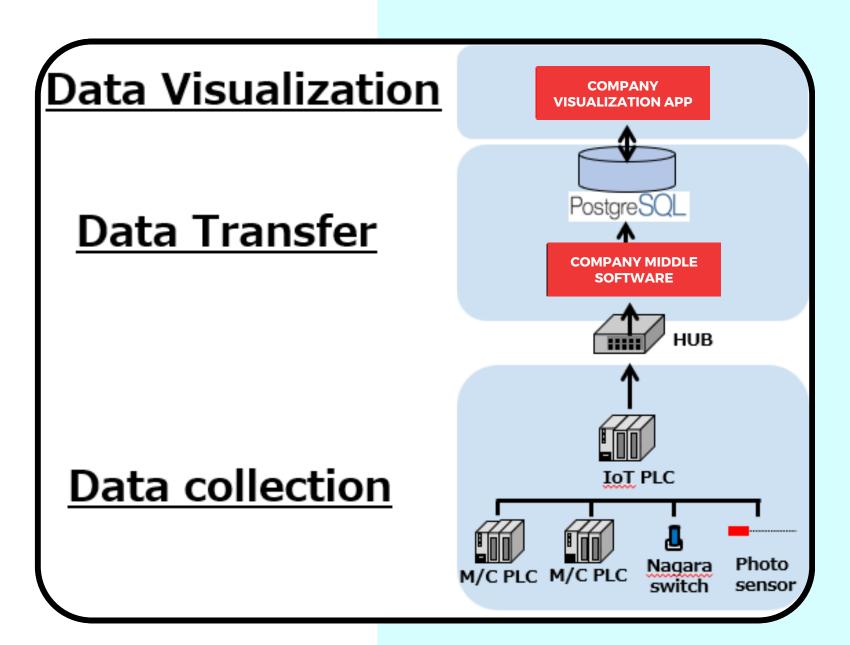
### PROJECT ENGINEER

### **IOT DASHBOARD DEV.**

Project engineer of IoT solution for improving efficiency in production line in customer factory.

Start from visit customer site to design spec&cost estimation of IoT system and present to the customer.

Then there will be purchasing, hiring a maker to install, and then installing the company's existing software. The product is the company's IoT Dashboard.



Moreover, if company visualization app do not meet customer requirement so need to do the custom dashboard

In charge of IoT dashboard custom development to create and query data visualization from machine in Grafana and Power BI using SQL, Plotly JS and PostgreSQL database refer to customer requirement.

# Poject PORTFOLIO

Consist of 2 Grafana project and 1 Power BI project

Project

Traceability Dashboard (Grafana)

02

**Project** 

Energy Visualization Dashboard (Grafana)

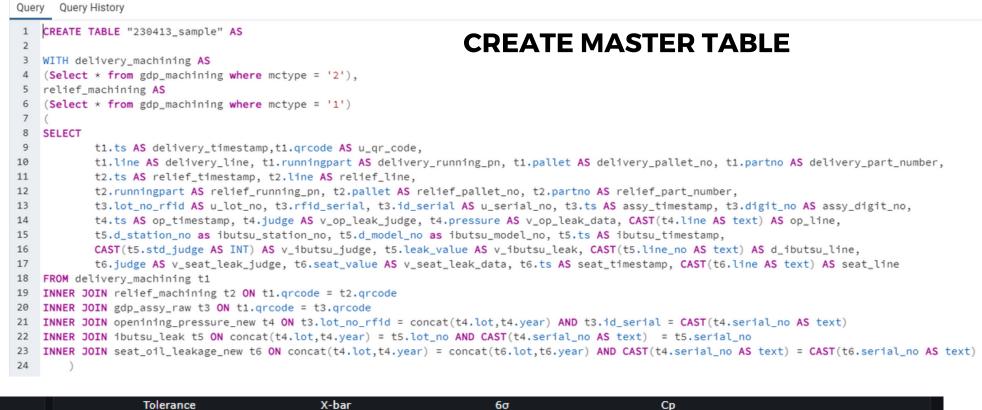
03

**Project** 

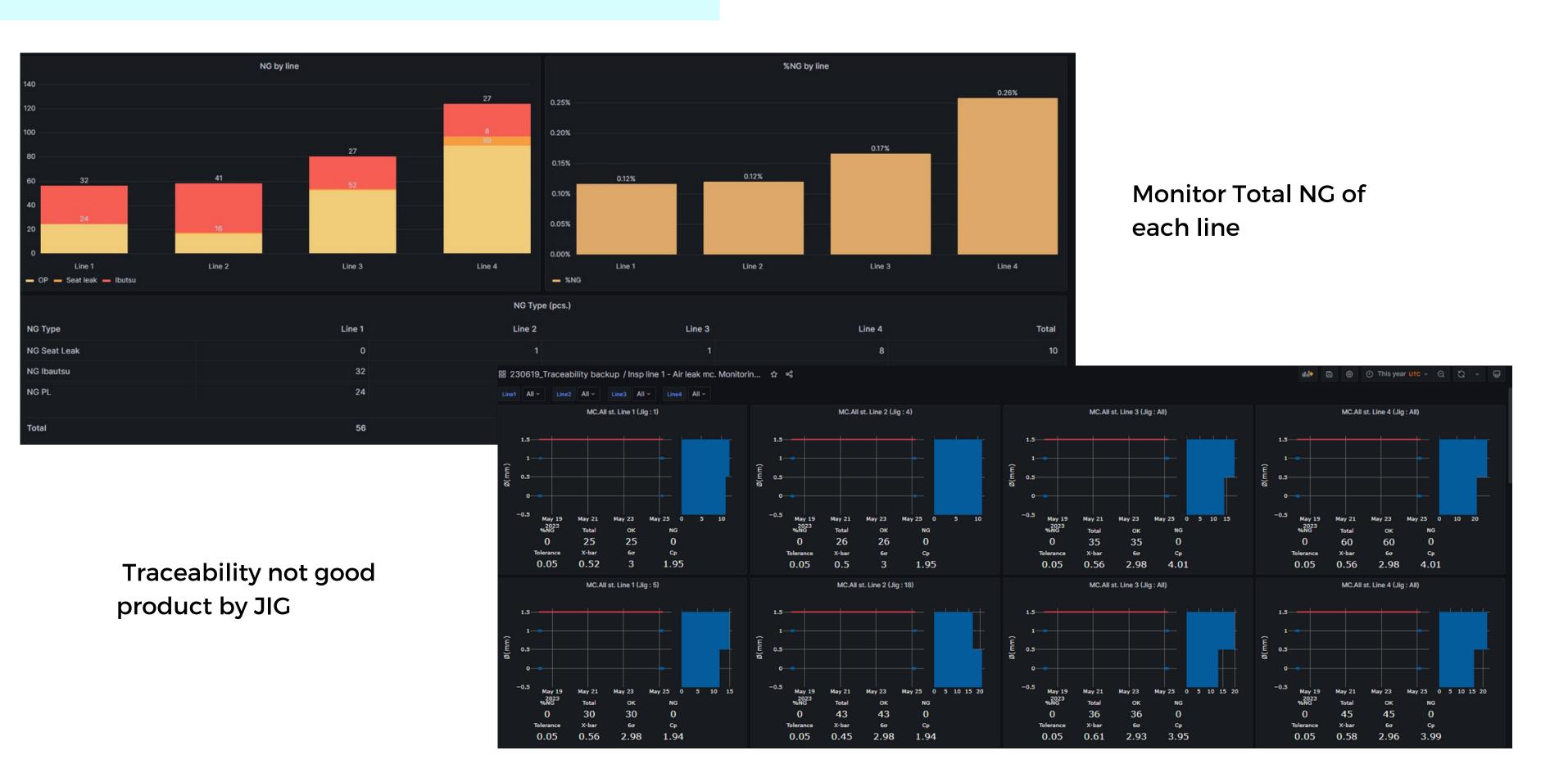
Tool Life Monitoring
Dashboard (Power BI)

## **PURPOSE**

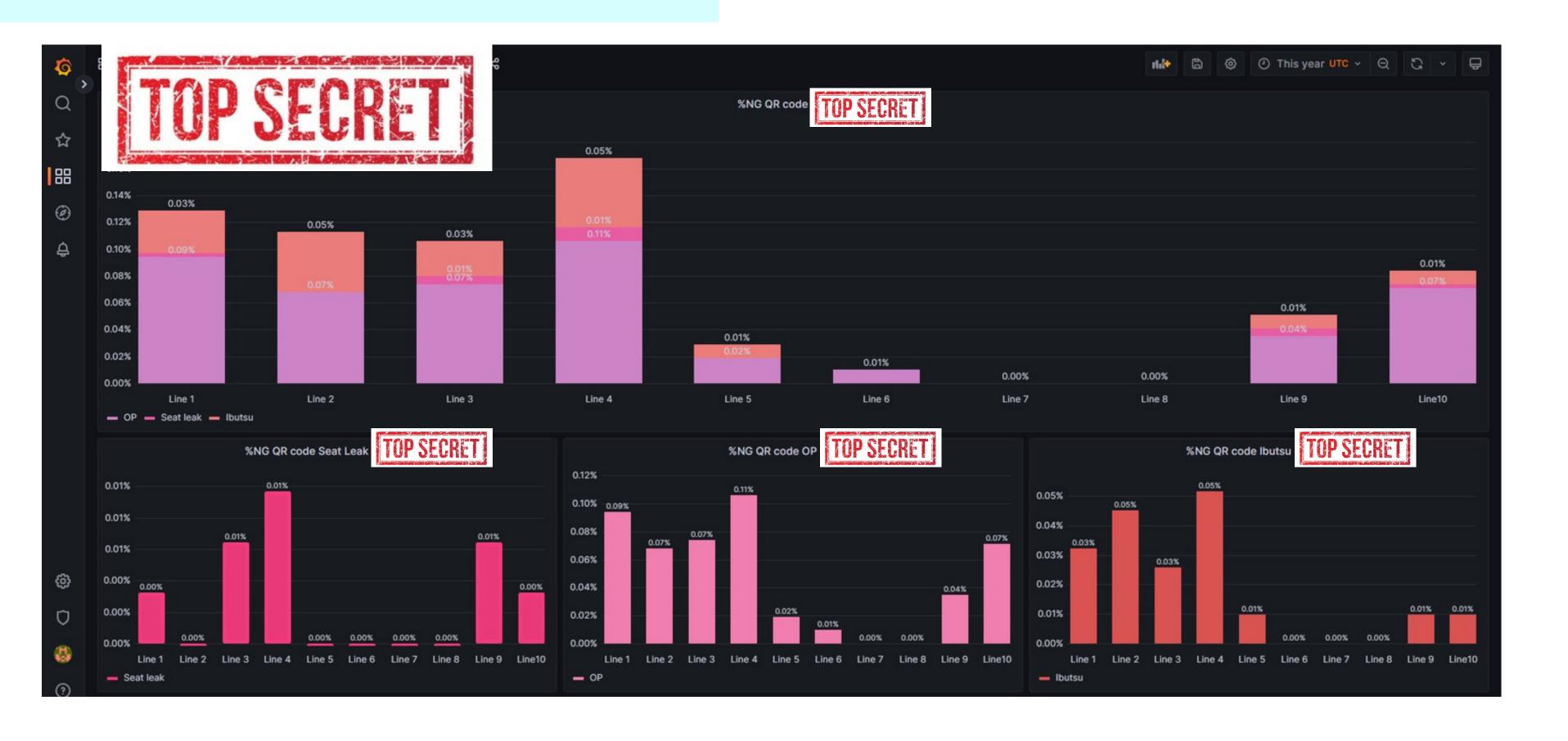
Making custom dashboard for traceability not good product from machines to traceback where is the root cause of not good product (Have 5 Machine to join data in 1 line production)







Traceback from QR to check where NG come from what supplier and NG from which line



## **PURPOSE OF ENERGY VISUALIZATION**

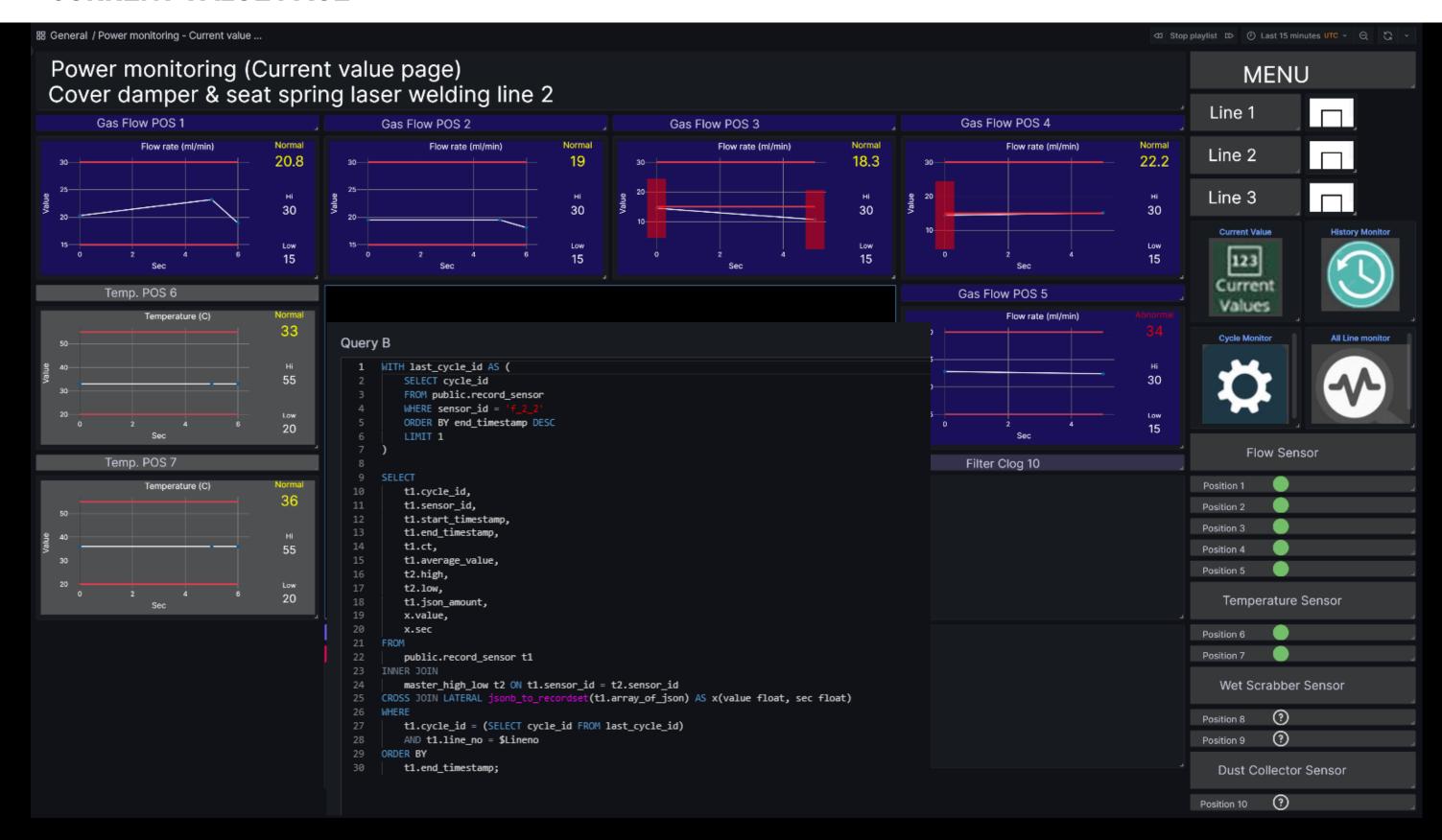
For safety action of Laser Welding machine to check flow rate, temperature, water level, pressure

### **HISTORY MONITOR PAGE**



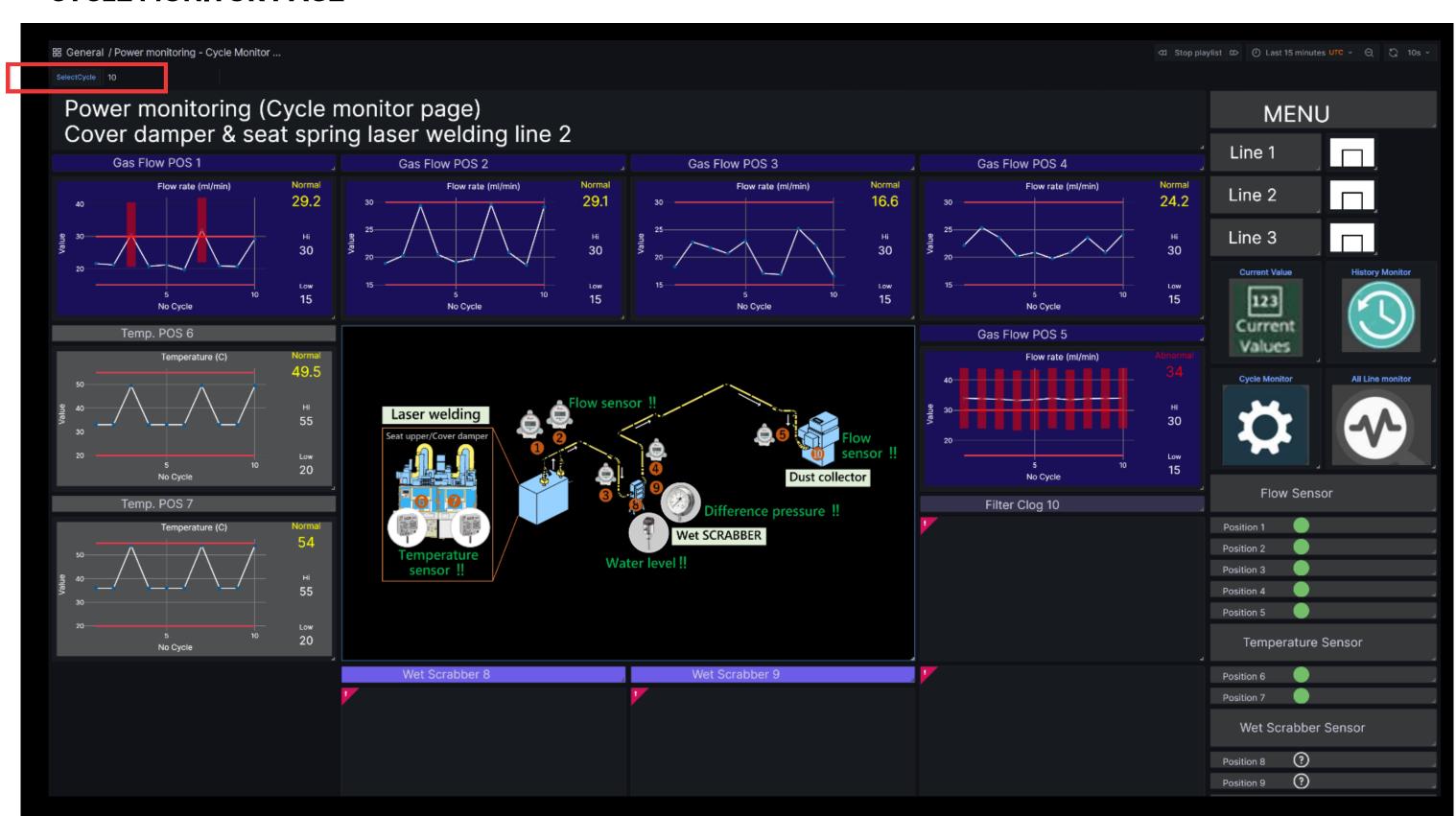
For monitor last value in 1 machine cycle time by extract data from last json array row in database

### **CURRENT VALUE PAGE**



To monitor number of last cycle we selected

### **CYCLE MONITOR PAGE**

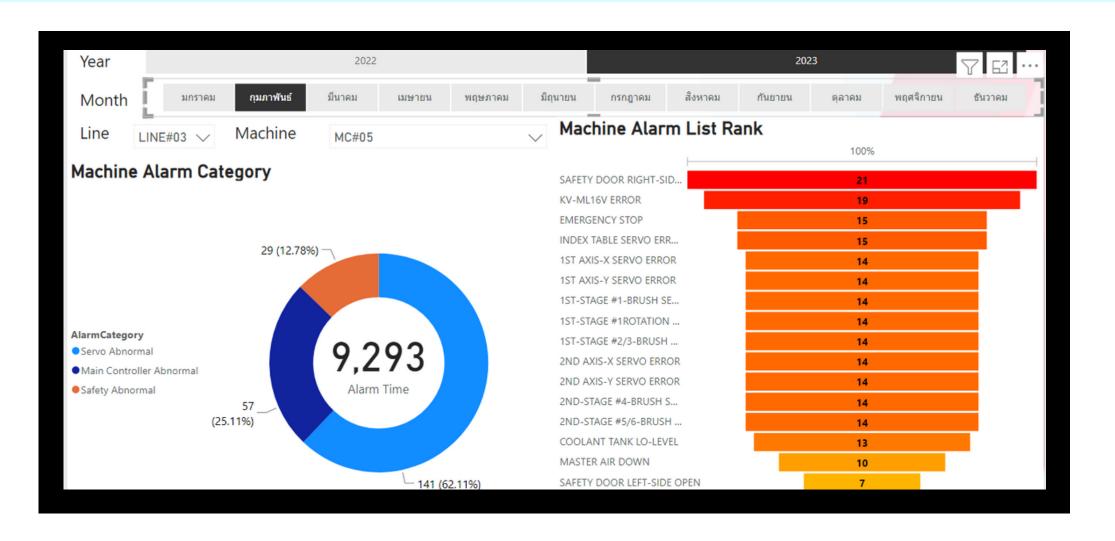


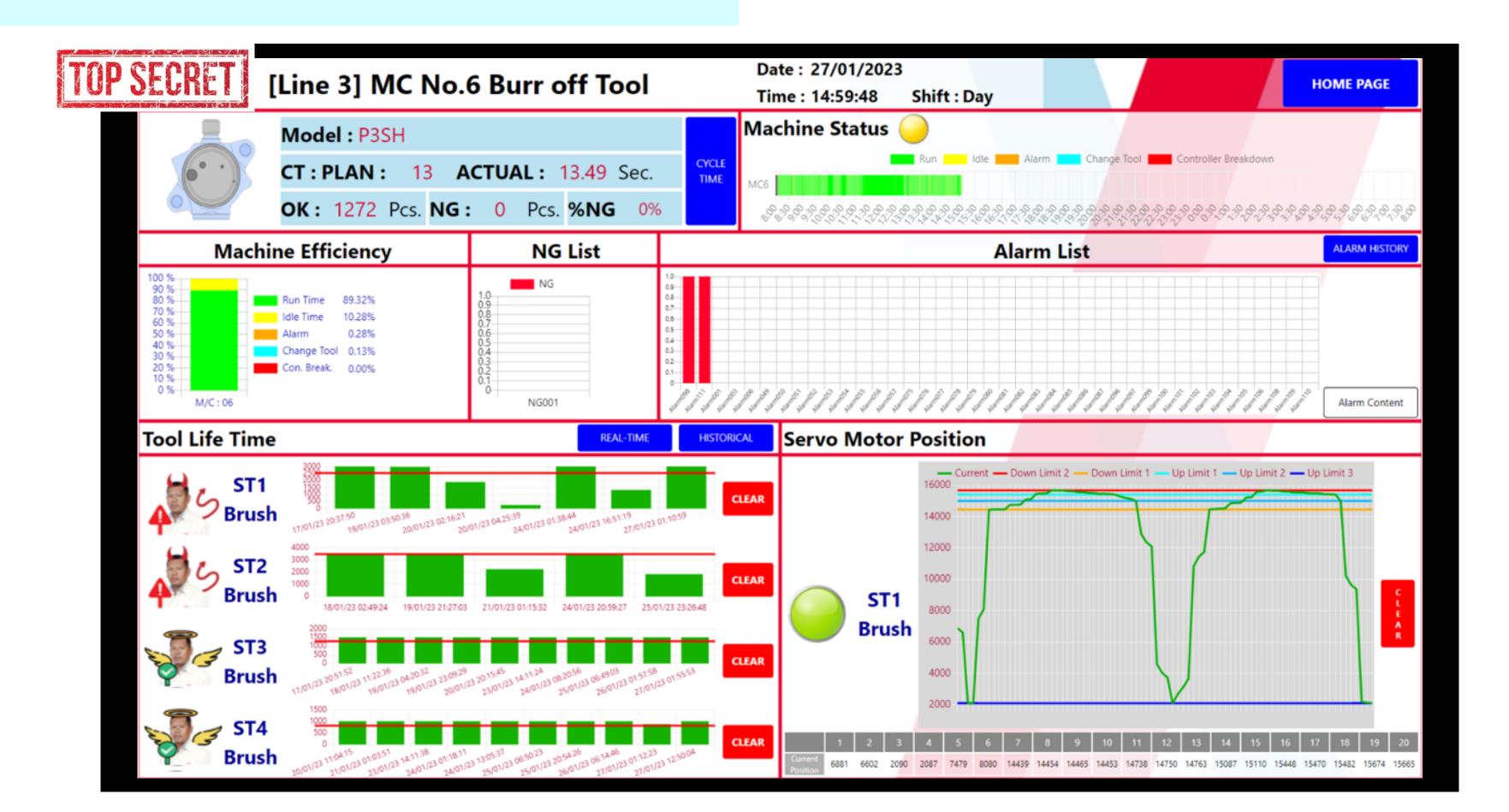


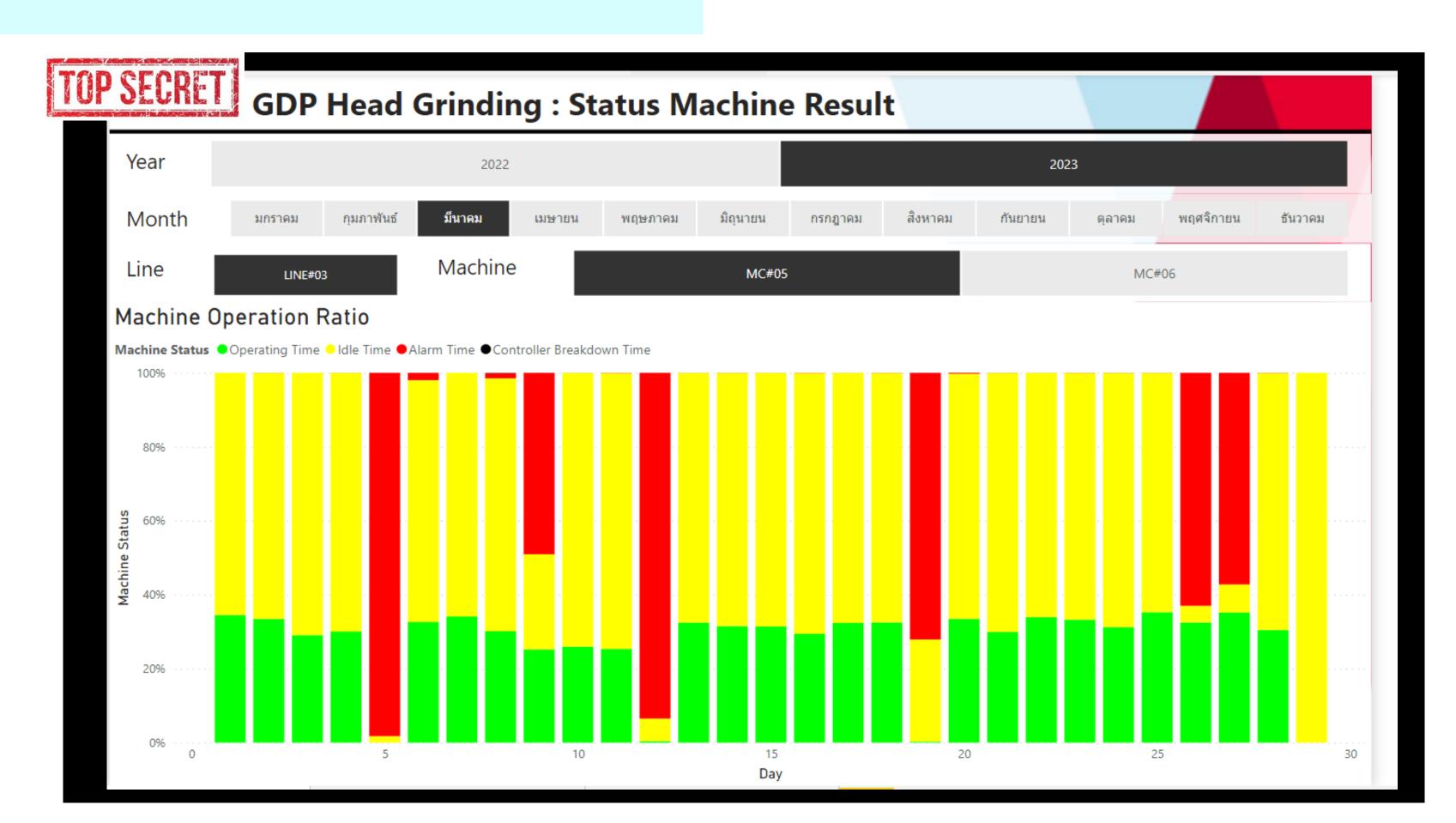
# **TOOL LIFE MONITORING (POWER BI)**

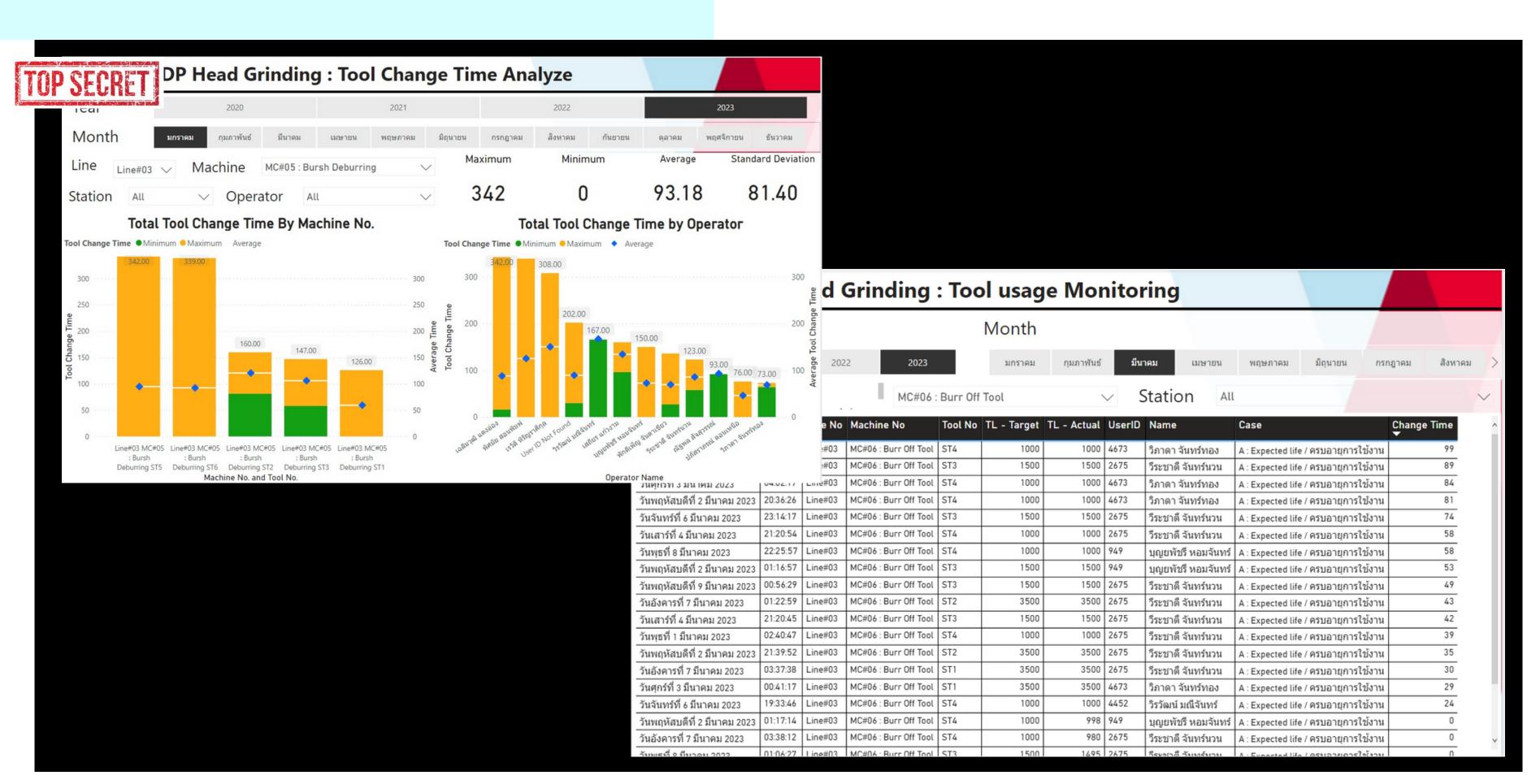
## **PURPOSE**

- 1) Reduce rework process due to tool is already over tool life and effect to efficiency of process part
- 2) Preventive Maintenance
- 2) Reduce loss time changing tool









# THANKS FOR WATCHING

083-0118466

bapawin.sukprasert@gmail.com