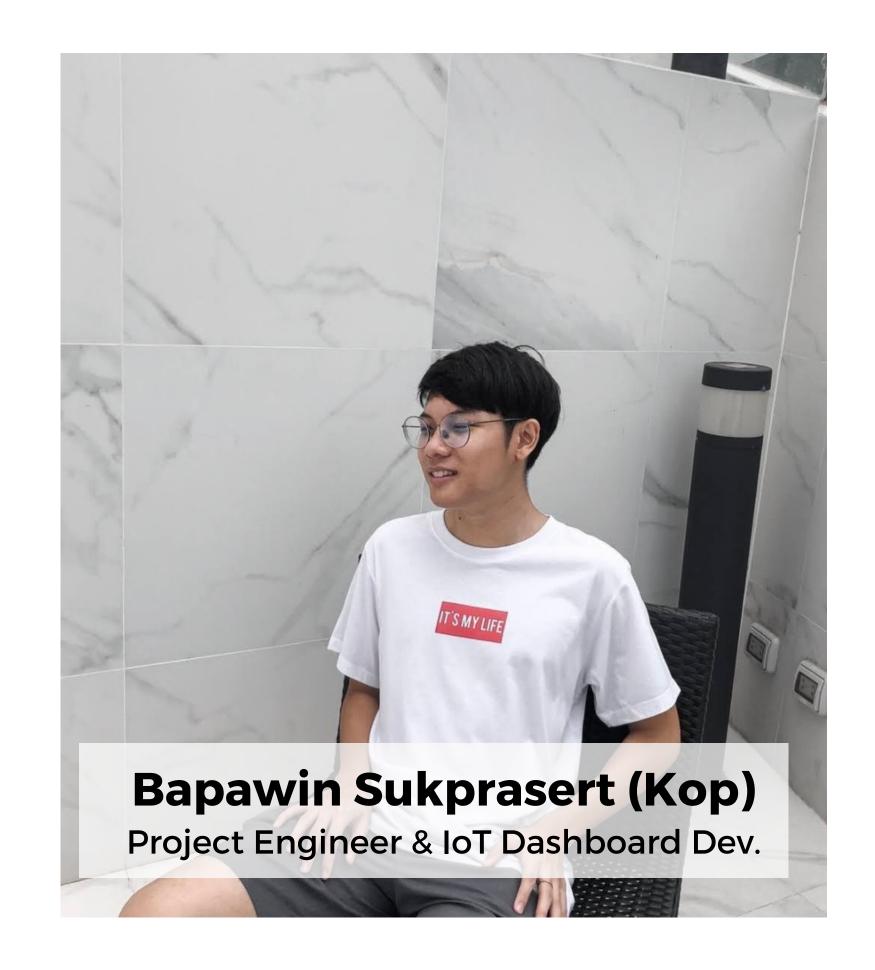
# PORTFOLIO

# 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



- (Basic) HTML5, Python, Robot framework
- (Intermediate) Javascript, SQL query, DAX, Excel
- Database: PostgreSQL
- Data visualization: Grafana, Power BI



# 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.
- IoT dashboard custom development to create data visualization from machine in Grafana and Power BI using SQL, Plotly JS and PostgreSQL database
- User story map making co-operate with Software team and Sales team to choose MVP function for new IoT solution product
- Data collection from machine & hardware equipment to middle software and send to database

### **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)

# Poject PORTFOLIO

Consist of 2 Grafana project and 1 Power BI project

Project

Traceability Dashboard (Grafana)

02

**Project** 

Energy Visualization Dashboard (Grafana)

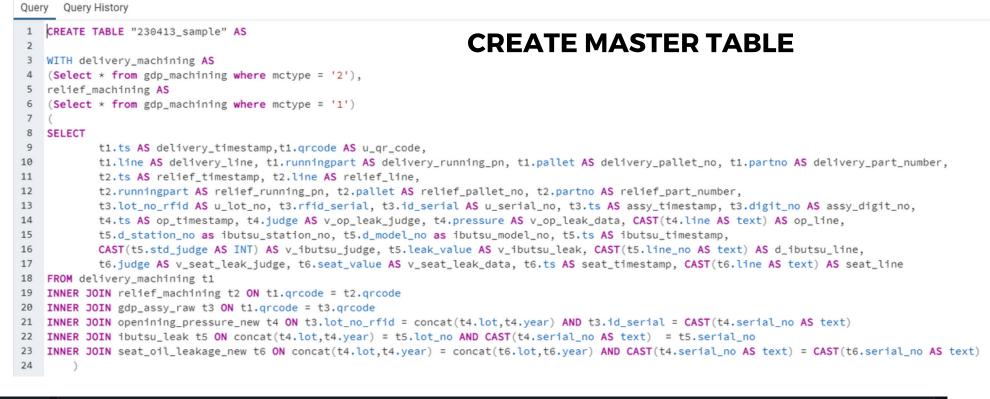
03

**Project** 

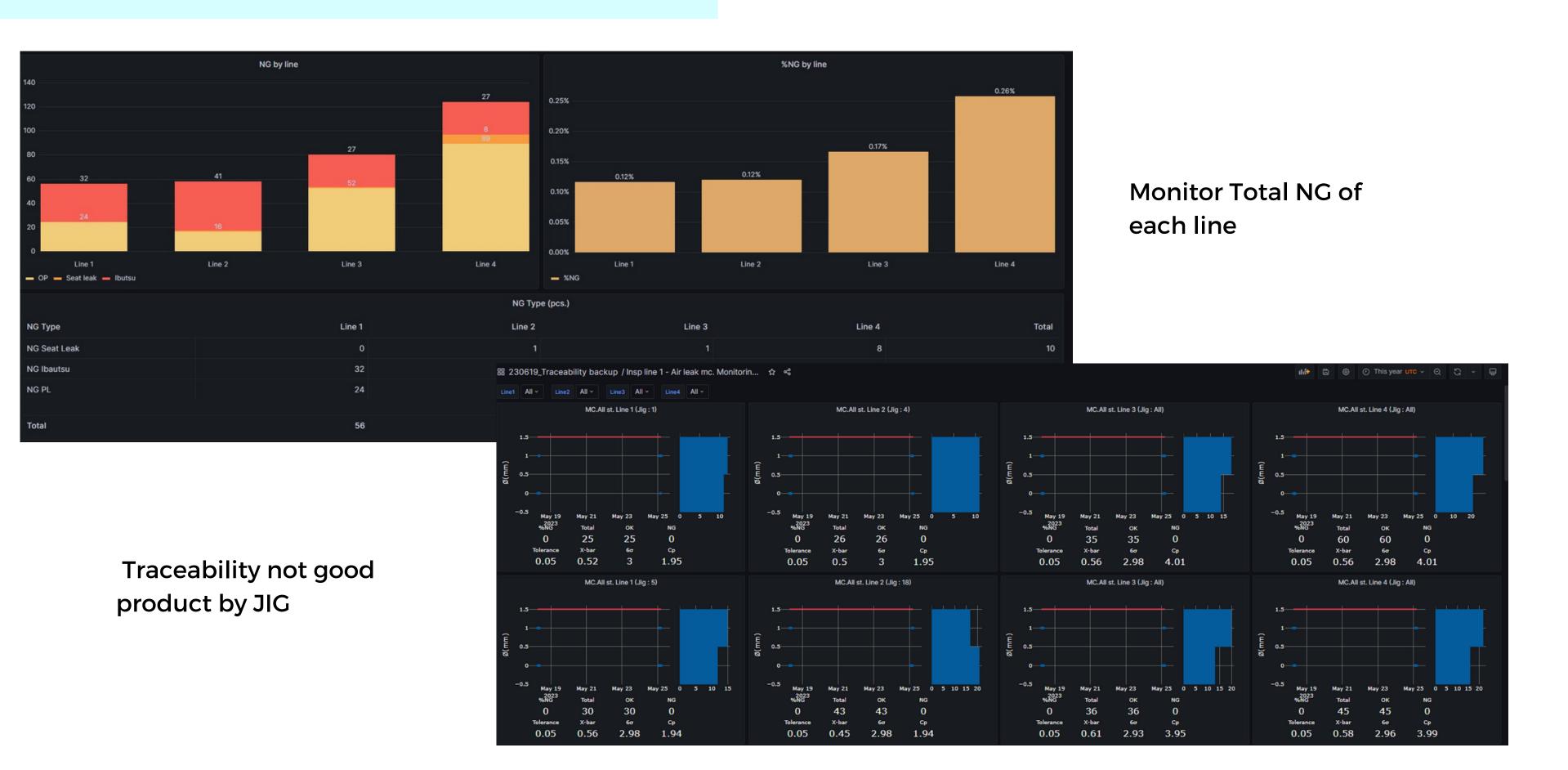
Tool Life Monitoring
Dashboard (Power BI)

### **PURPOSE**

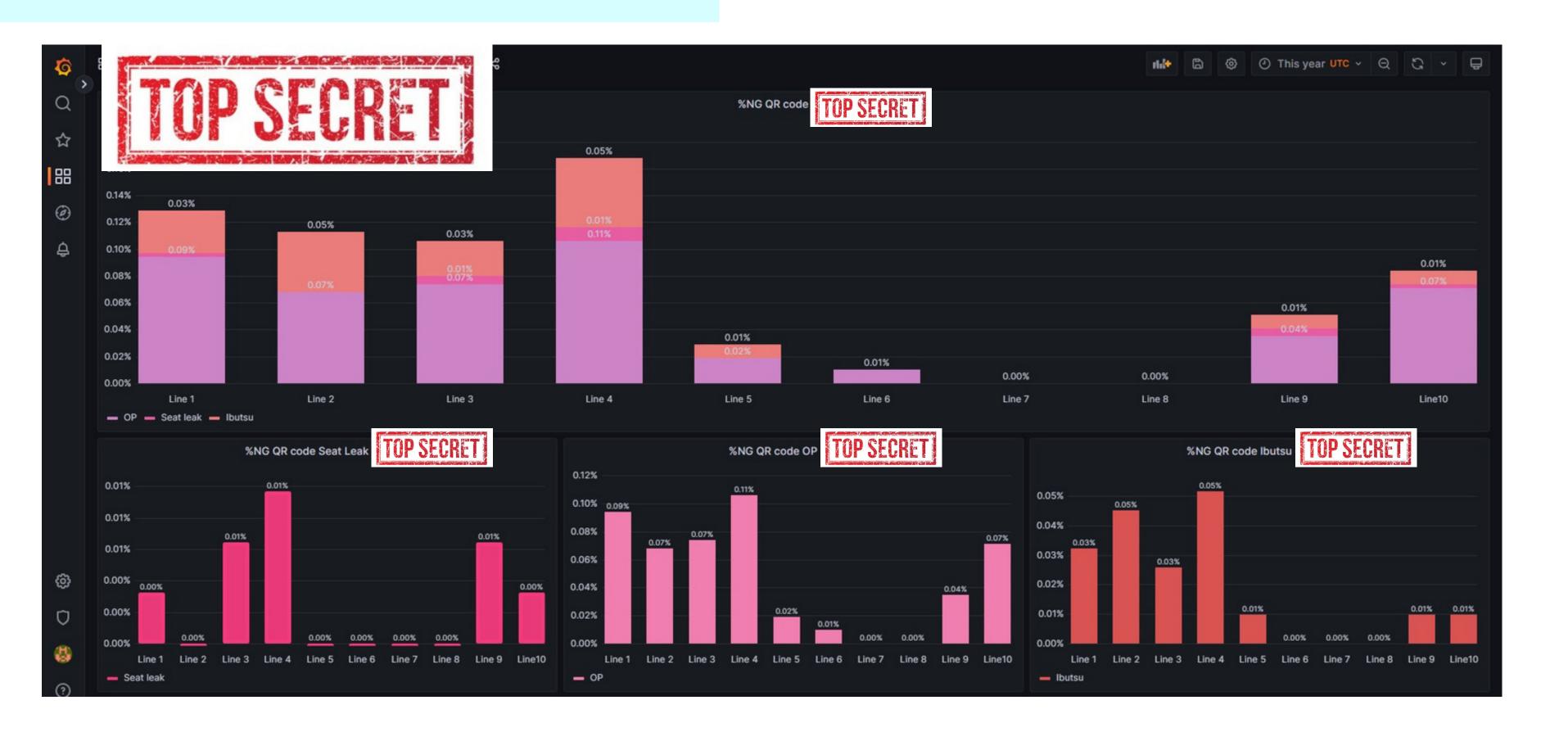
Making custom dashboard for traceability not good product from machines to traceback where is the root cause of not good product (Have 5 Machine to join data in 1 line production)







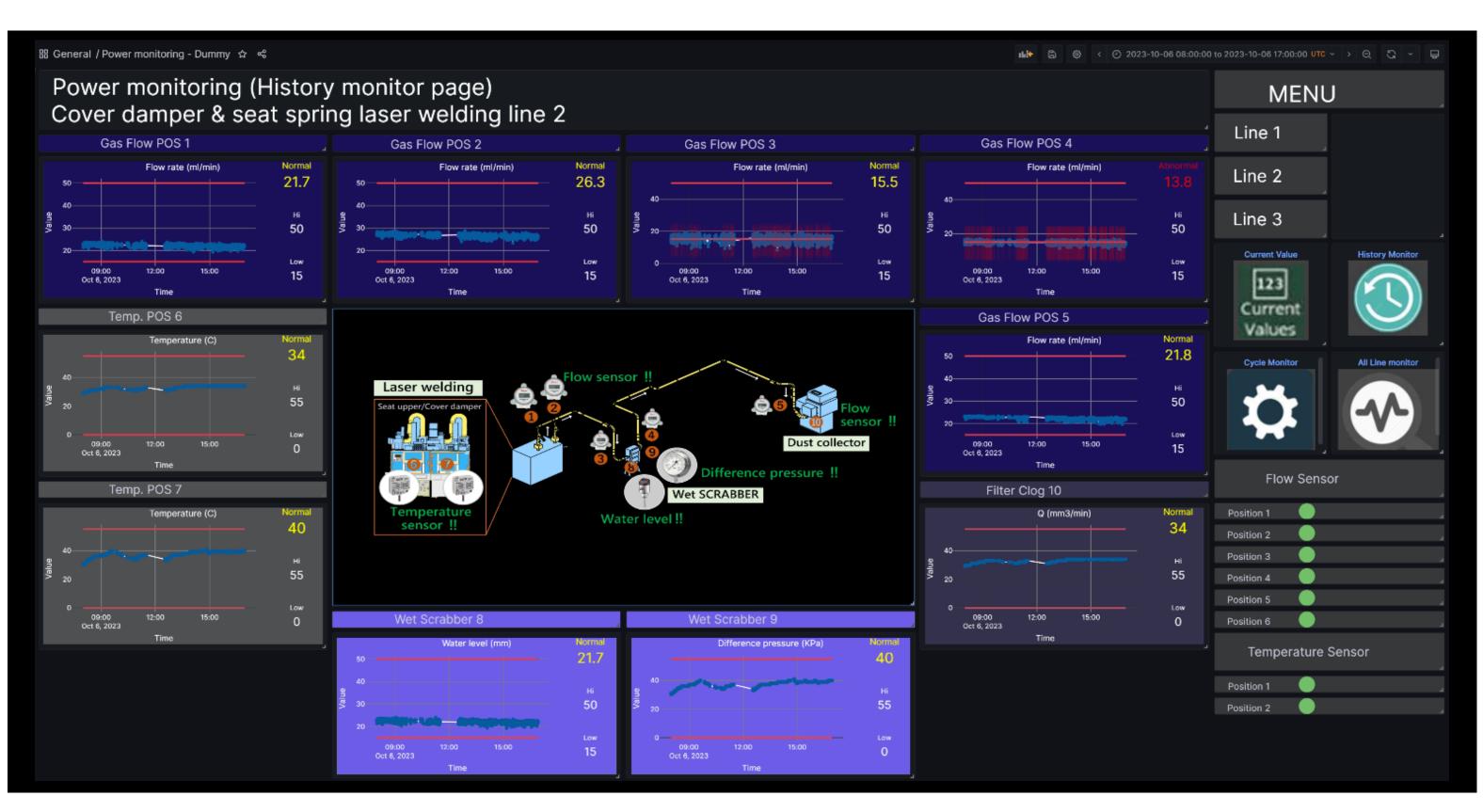
Traceback from QR to check where NG come from what supplier and NG from which line



### **PURPOSE OF ENERGY VISUALIZATION**

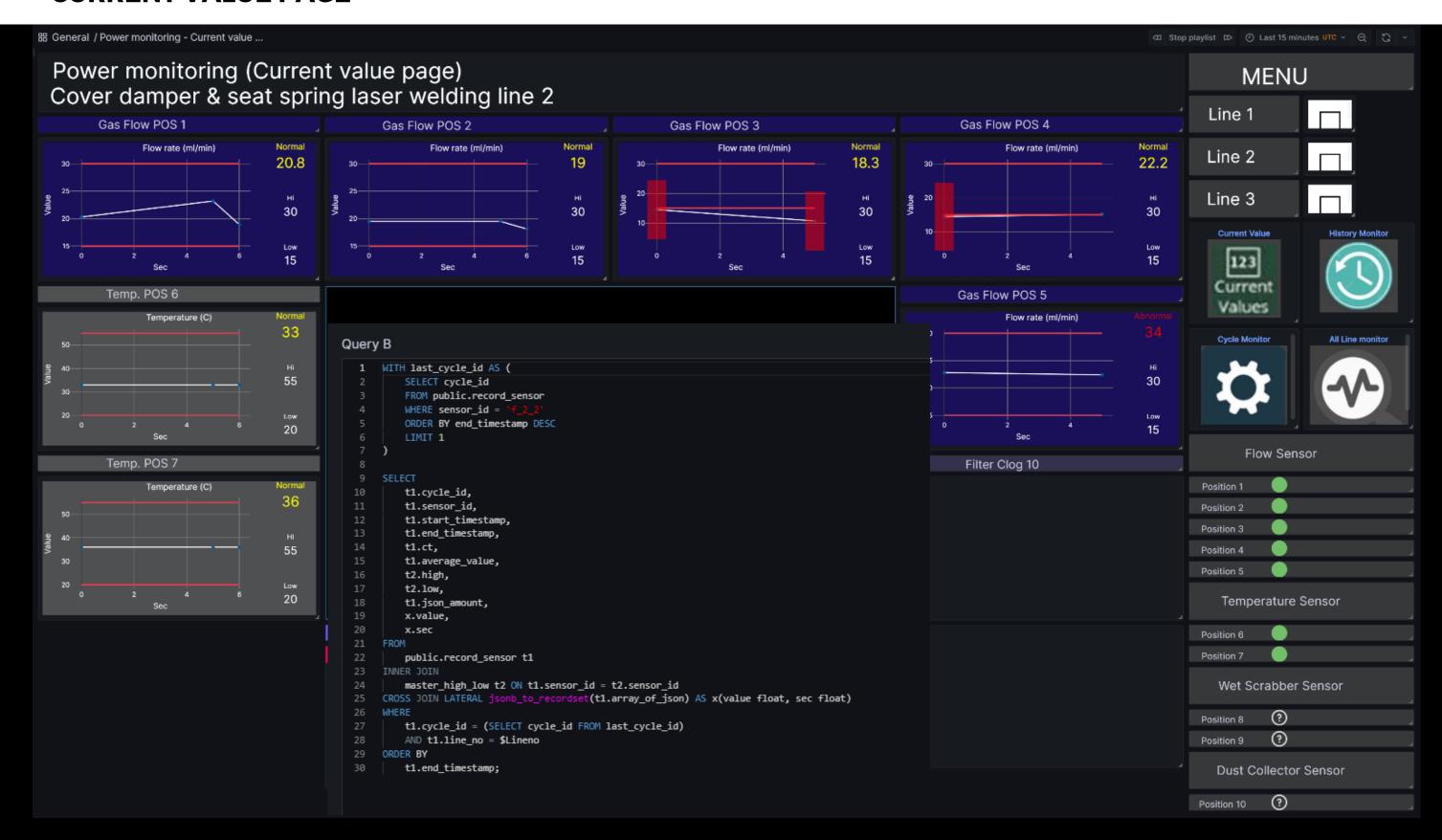
For safety action of Laser Welding machine to check flow rate, temperature, water level, pressure

### **HISTORY MONITOR PAGE**



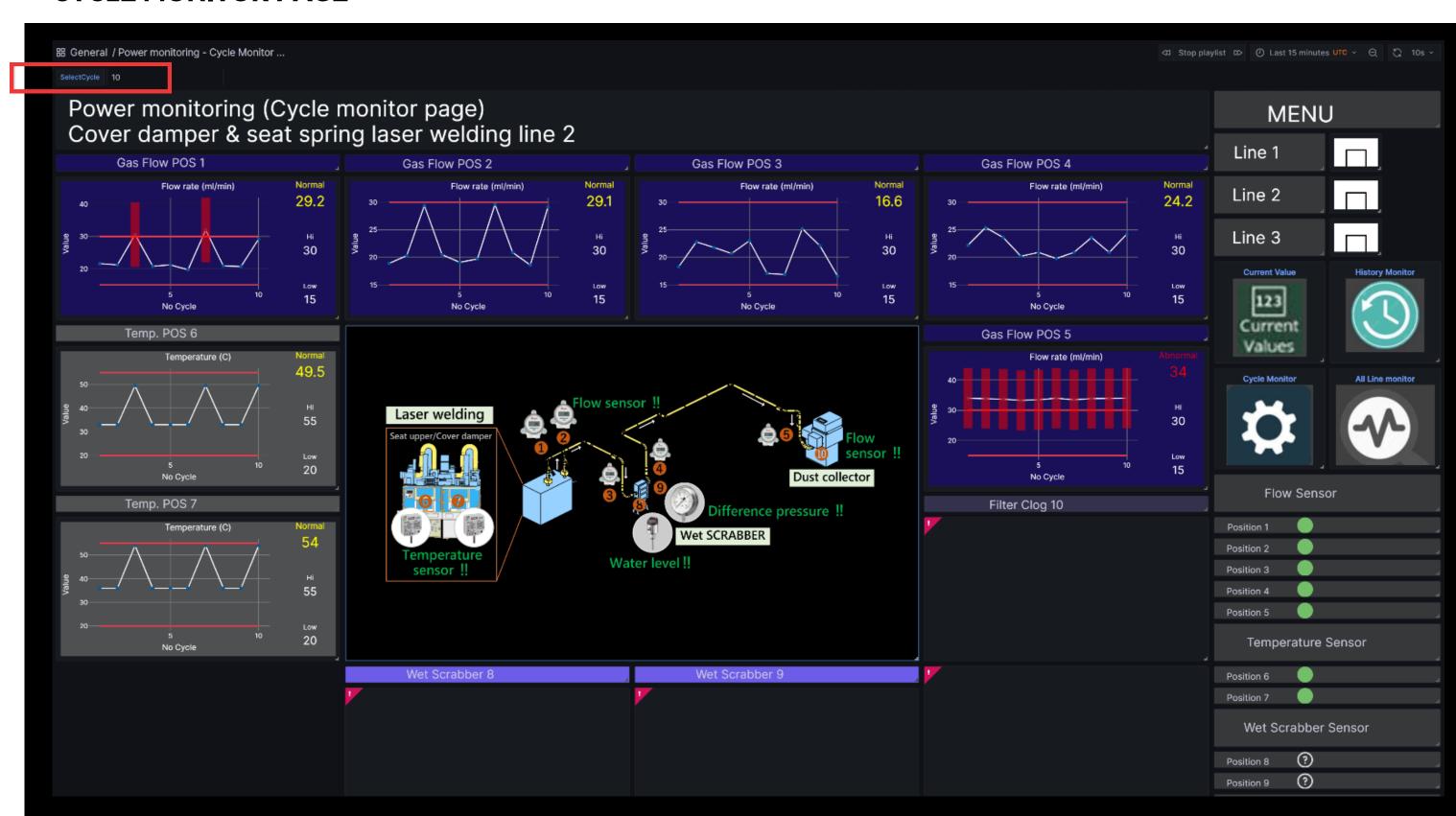
For monitor last value in 1 machine cycle time by extract data from last json array row in database

### **CURRENT VALUE PAGE**



To monitor number of last cycle we selected

### **CYCLE MONITOR PAGE**

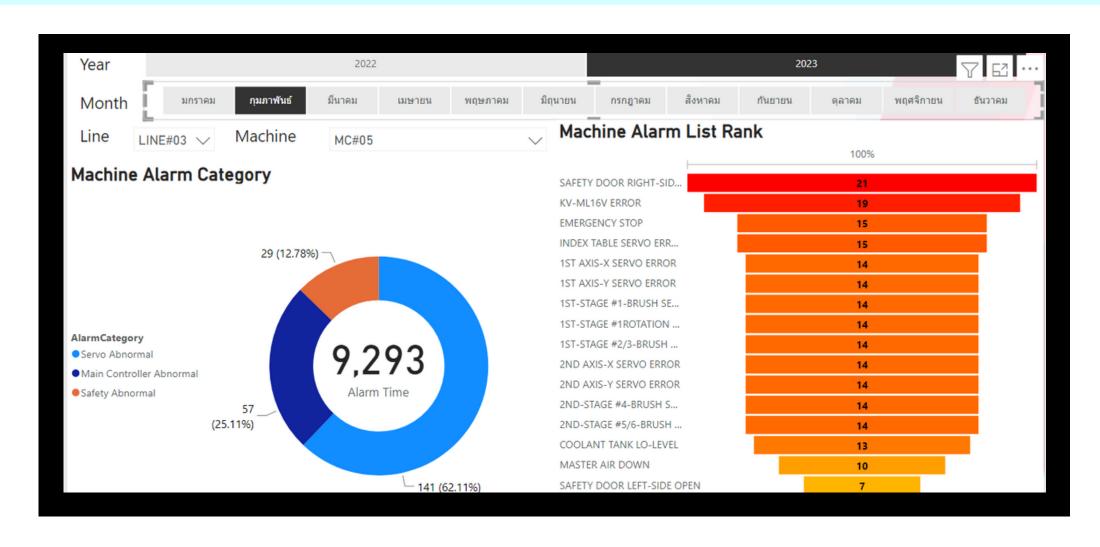


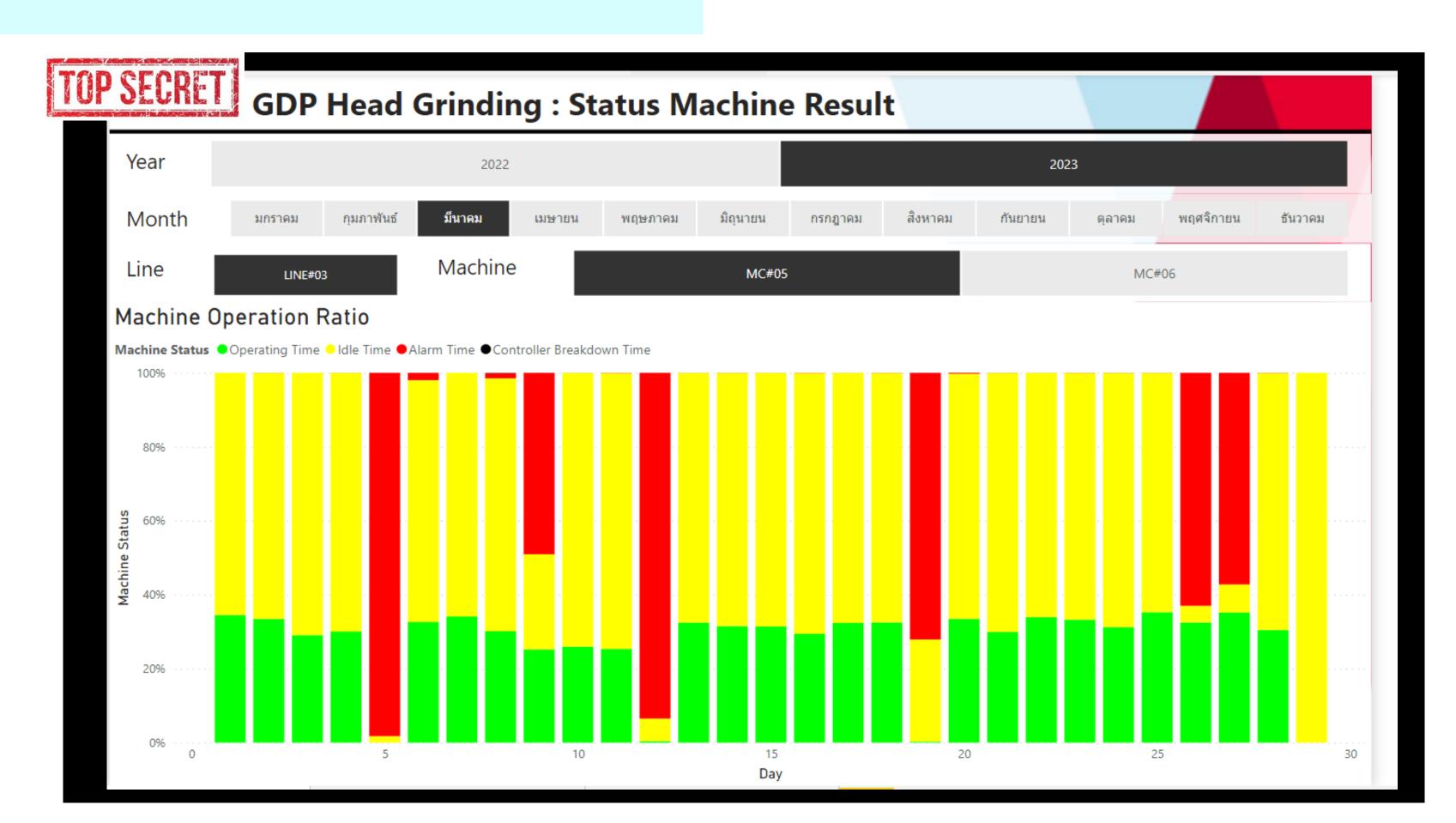


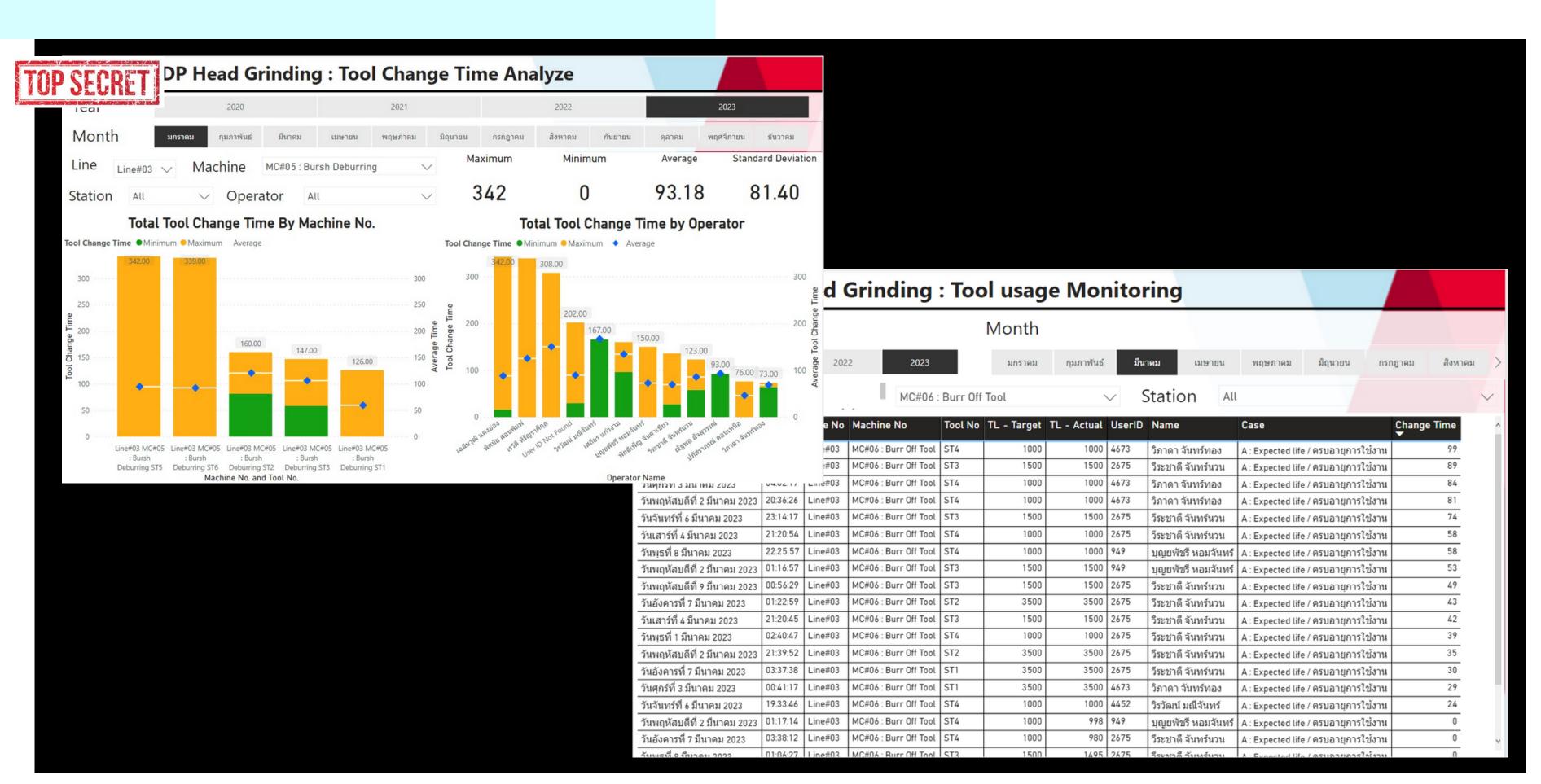
## **TOOL LIFE MONITORING (POWER BI)**

## **PURPOSE**

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







# THANKS FOR WATCHING

083-0118466

bapawin.sukprasert@gmail.com