

# Dashboard

# 실행

---

```
(base) hwa-kim@Hwa-ui-MacBookAir-919 QC % streamlit run q1_dashboard.py
```

You can now view your Streamlit app in your browser.

Local URL: **http://localhost:8501**

Network URL: **http://192.168.11.107:8501**

# Dashboard

---

## ▶ streamlit (ql\_dashboard.py)

```
import streamlit as st
import pandas as pd
import plotly.express as px

# st.set_page_config(page_title="OEE Dashboard", layout="wide")

st.title("OEE Dashboard")

### 데이터 입력 (sidebar)
st.sidebar.header("Input Parameters")
machines = ['M1', 'M2']
data = []

for machine in machines:
    availability = st.sidebar.slider(f"{machine} - Availability", 0.0, 1.0, 0.9, 0.01)
    performance = st.sidebar.slider(f"{machine} - Performance", 0.0, 1.0, 0.95, 0.01)
    quality = st.sidebar.slider(f"{machine} - Quality", 0.0, 1.0, 0.98, 0.01)
    oee = availability * performance * quality
    data.append({
        "Machine": machine,
        "Availability": availability,
        "Performance": performance,
        "Quality": quality,
        "OEE": oee
    })
```

# 실행

---

```
(base) hwa-kim@Hwa-ui-MacBookAir-919 QC % streamlit run q1_dashboard.py
```

**You can now view your Streamlit app in your browser.**

**Local URL: <http://localhost:8501>**

**Network URL: <http://192.168.11.107:8501>**

Input Parameters

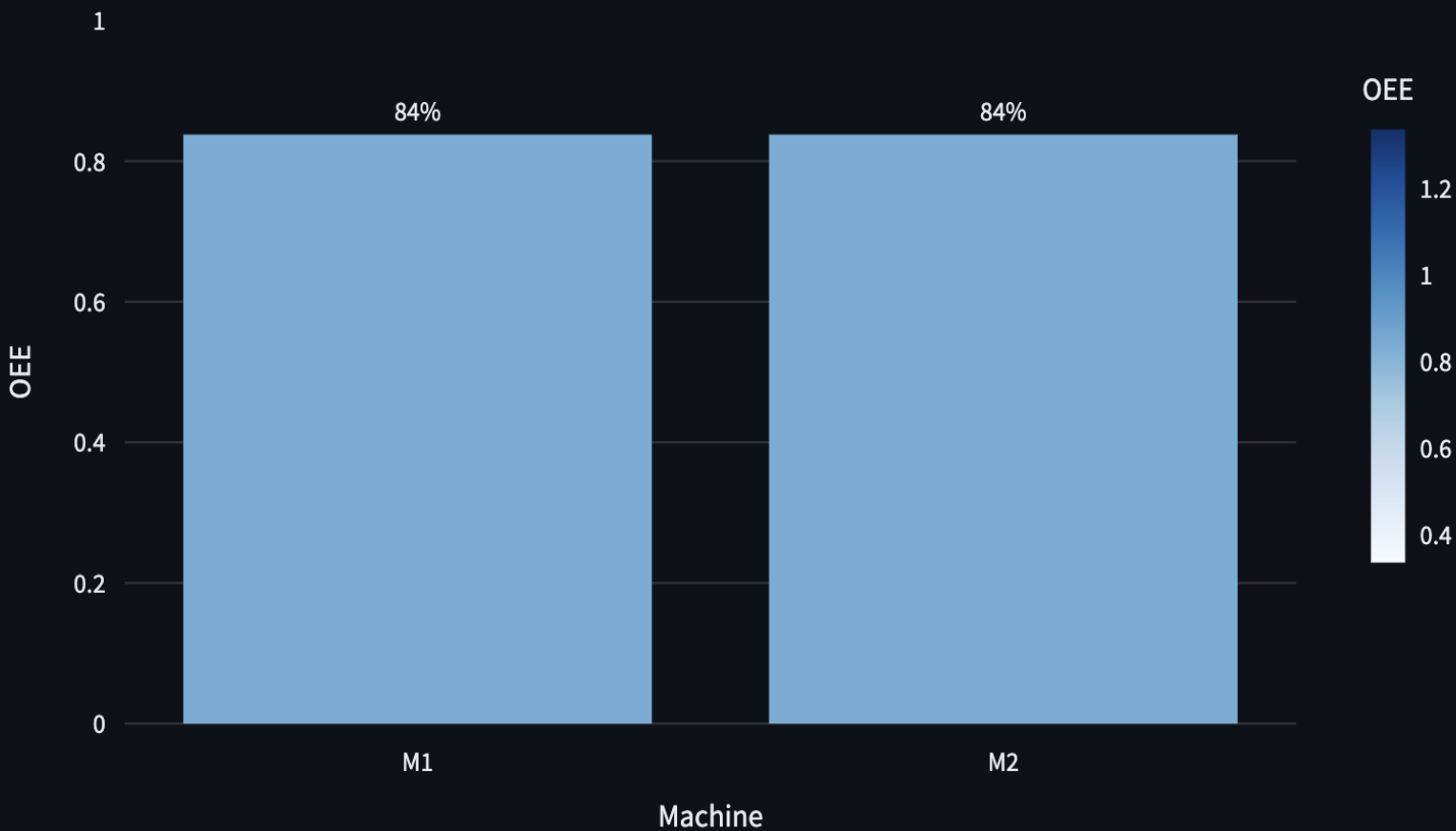


OEE Dashboard

OEE Data Table

	Machine	Availability	Performance	Quality	OEE
0	M1	90%	95%	98%	84%
1	M2	90%	95%	98%	84%

OEE by Machine



# 실행

---

```
(base) hwa-kim@Hwa-ui-MacBookAir-919 QC % streamlit run q2_KPI_Dashboard.py
```

You can now view your Streamlit app in your browser.

Local URL: **http://localhost:8501**

Network URL: **http://192.168.11.107:8501**

Filter

Input Date Range within 2024

YYYY/MM/DD – YYYY/MM/DD

Shift

Morning × Afternoon × Night ×

Status

Open × In progress × Resolved ×

Severity

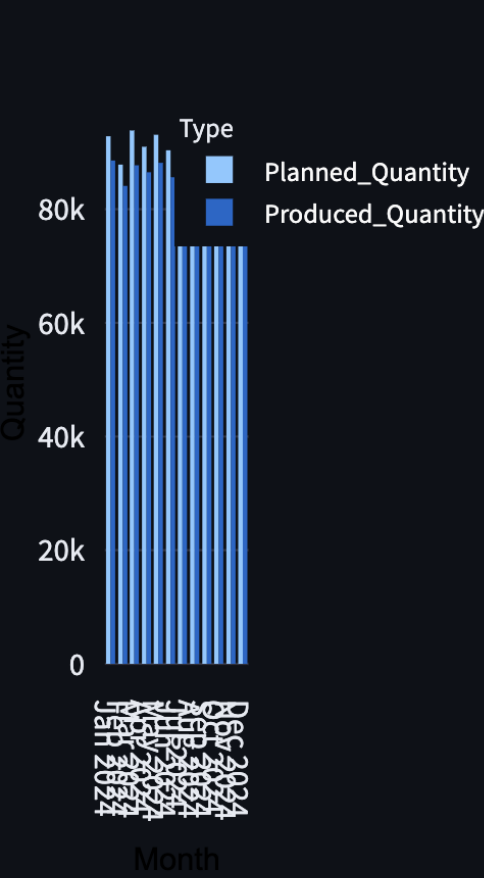
Medium × Low × High ×

# Production and Quality Performance Dashboard-Example

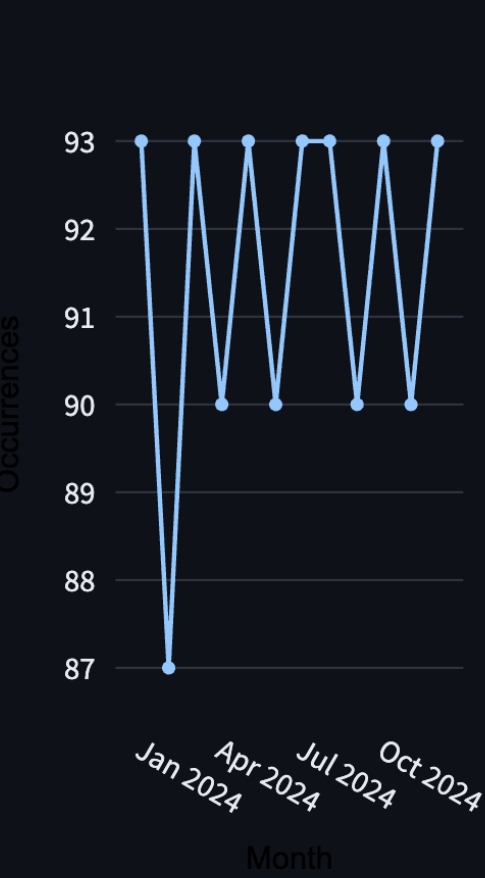
Production Quality

## KPI Production Process

Planned vs. Real



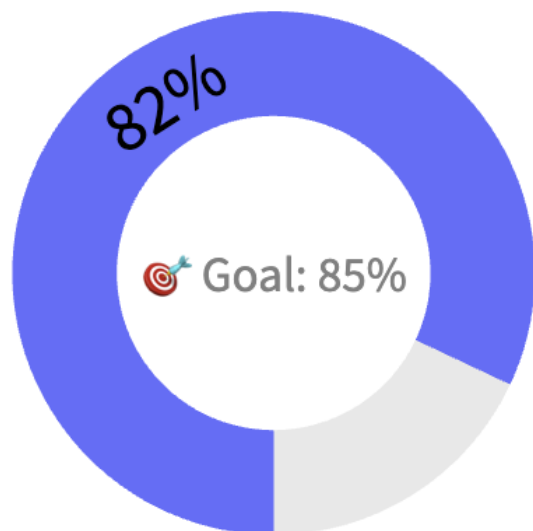
Occurrences per Month



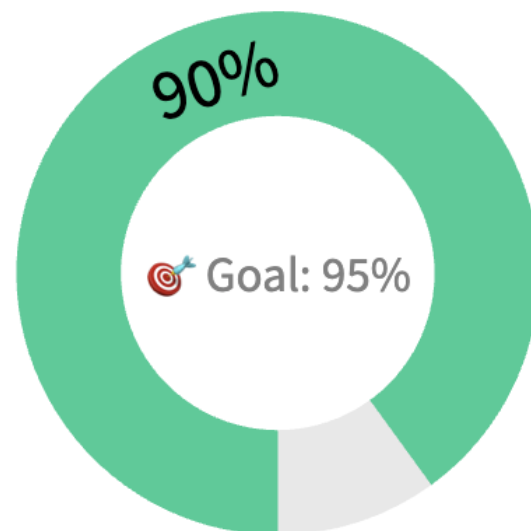
Downtime and Available Time



OEE - Mean



Availability - Mean



Select the KPI

OEE



### Tendency of OEE through time

