# MANUFACTURING EXUCATION SYSTEMS (MES)
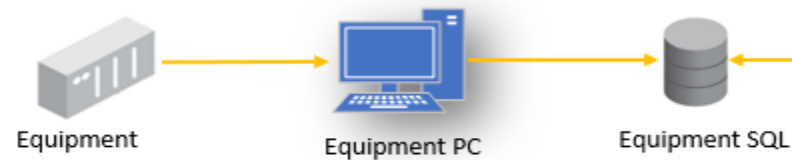
# AS - IS System Architecture



Scenario 1: Excel Manual Input

User

Scenario 2: Equipment Connection

Equipment

Equipment PC

Equipment SQL

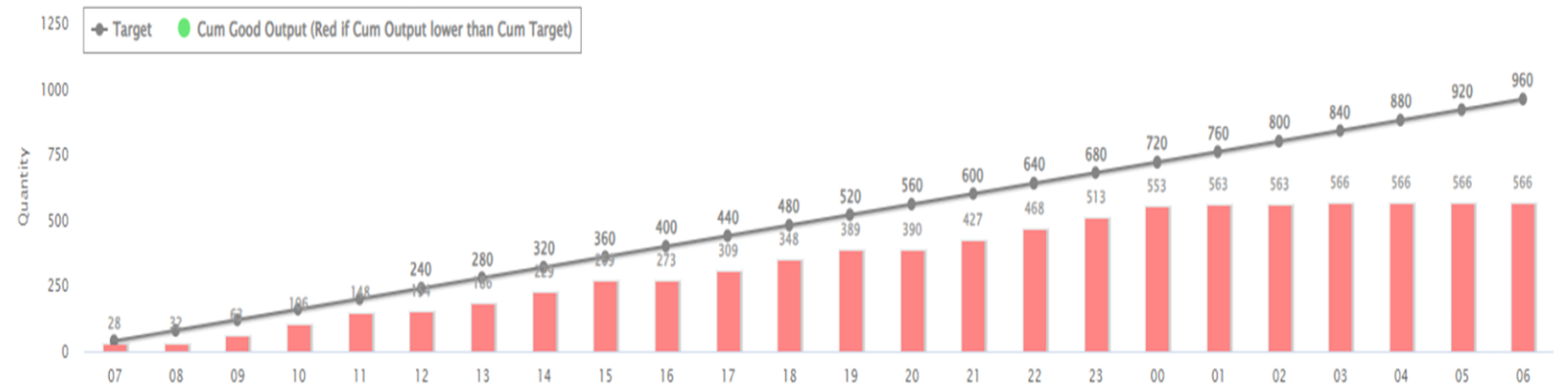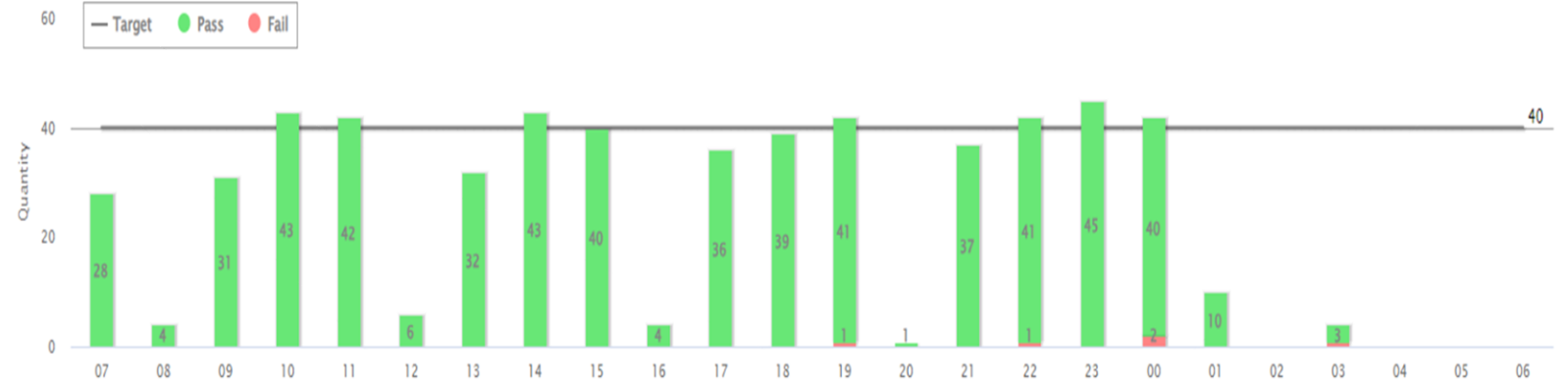Central Database servers

Scenario 3: Web client MES

User

MES Kiosk PC

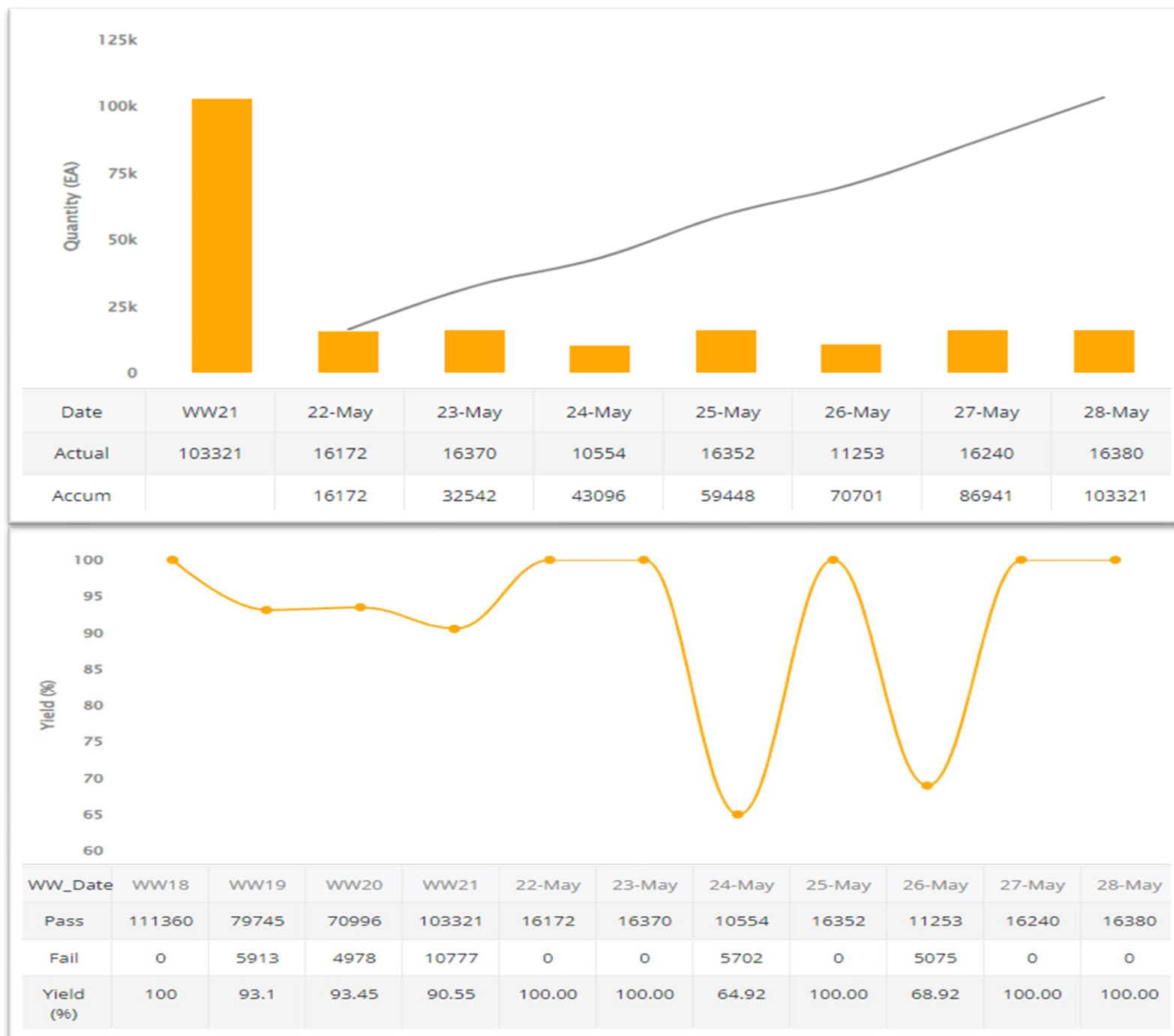**Application + Web servers + Reporting + Execution (1 SERVER)**
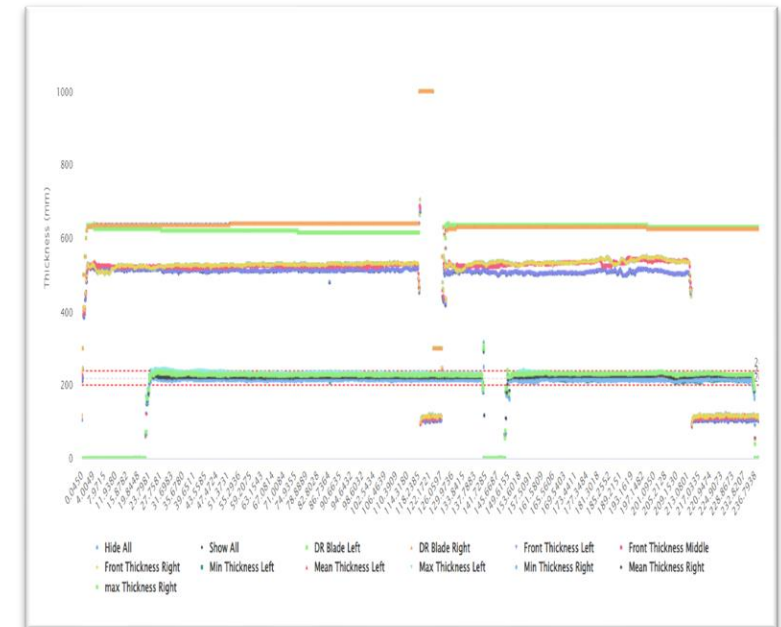
Legend:

- Data flow is one way

- Data flow is two way

# Hourly Output Dashboard
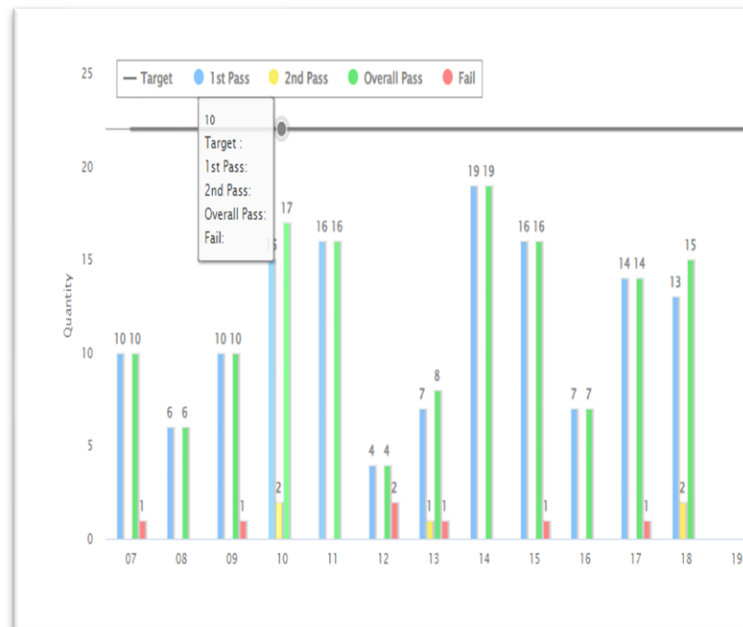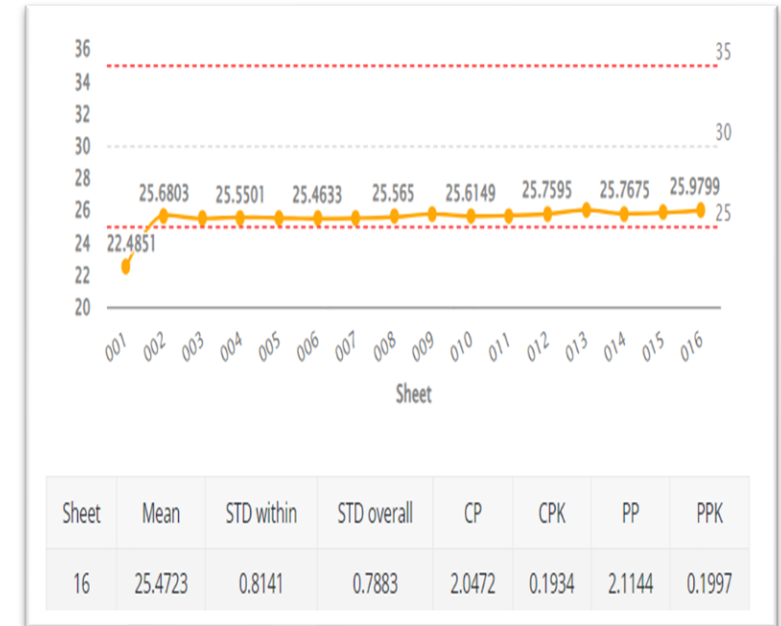
# Daily Output & Yield Dashboard



| Date | WW21 | 22-May | 23-May | 24-May | 25-May | 26-May | 27-May | 28-May |
|------|------|--------|--------|--------|--------|--------|--------|--------|
| Actual | 103321 | 16172 | 16370 | 10554 | 16352 | 11253 | 16240 | 16380 |
| Accum | | 16172 | 32542 | 43096 | 59448 | 70701 | 86941 | 103321 |



| WW_Date | WW18 | WW19 | WW20 | WW21 | 22-May | 23-May | 24-May | 25-May | 26-May | 27-May | 28-May |
|---------|------|------|------|------|--------|--------|--------|--------|--------|--------|--------|
| Pass | 111360 | 79745 | 70996 | 103321 | 16172 | 16370 | 10554 | 16352 | 11253 | 16240 | 16380 |
| Fail | 0 | 5913 | 4978 | 10777 | 0 | 0 | 5702 | 0 | 5075 | 0 | 0 |
| Yield (%) | 100 | 93.1 | 93.45 | 90.55 | 100.00 | 100.00 | 64.92 | 100.00 | 68.92 | 100.00 | 100.00 |

# Equipment/ Product Performance Monitoring

# Visual Inspection & Shipment Form

# Process Digitalization

# Design Finish Good Label



BatchIngBatch : TBH003212000
WorkOrder :       H003212000
Station :             TAPE BATCHING PREPARATION
Process:             WEIGHT OF TOTAL OUTPUT
Qty(kg):             16000

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