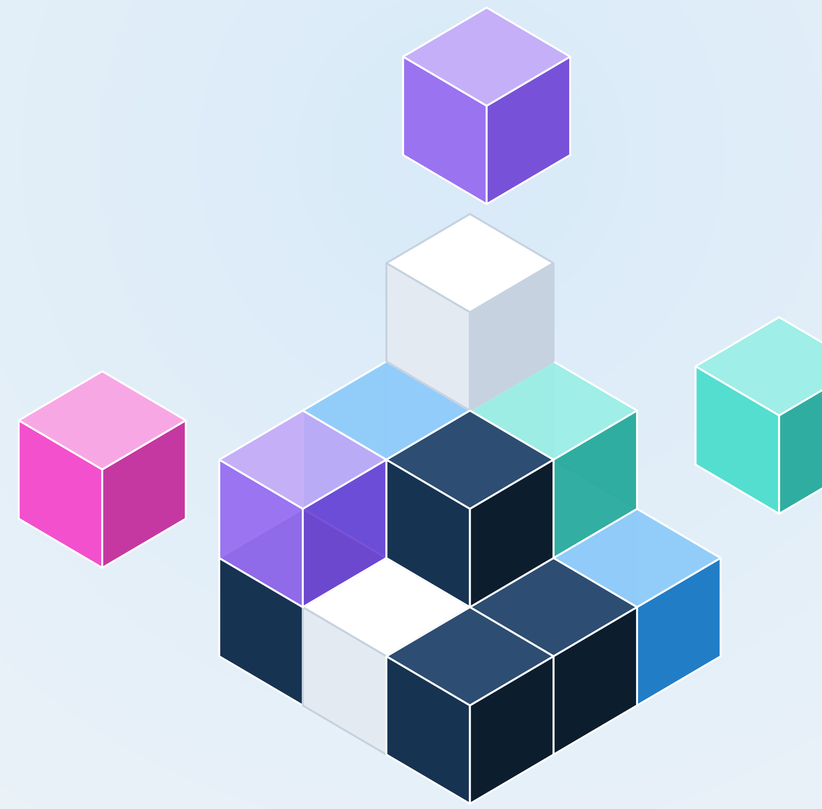
DIGITAL OPERATIONS

Power BI Operations Dashboard



An operations dashboard in Power BI guides users from a few headline KPIs down through area views and loss analysis to the raw events behind a problem.

01 THE CORE MODEL

DASHBOARD HIERARCHY · KPI TO ROOT CAUSE

01 LEVEL 1
Executive KPIs
OEE, on-time delivery, scrap, cost per unit: one page, with trend and target.

→

02 LEVEL 2
Area view
The same KPIs by plant, line and shift.

→

03 LEVEL 3
Loss analysis
Loss reasons as a Pareto, events per machine.

→

04 LEVEL 4
Root cause data
Raw events and comments for problem solving.

KPI page
A few headline measures with target, trend and status.

Drill-through
A click on a KPI opens the detail behind it, filtered to its context.

Data model
One shared model and definitions behind every page.

02 DESIGNING IT

Every chart should lead to a question, and every question to an action.

DATA DUMP — DECISION TOOL

DASHBOARD AS A DATA DUMP

- − Dozens of charts on one page
- − Different KPI definitions per report
- − No path from symptom to cause

DASHBOARD AS A DECISION TOOL

- + Few KPIs, clear targets
- + One definition per KPI
- + Two or three clicks to root cause data

03 WORKED EXAMPLE

OEE DROP ON LINE 3 · THREE CLICKS TO THE CAUSE

KPI PAGE
OEE below target
plant overview

→

AREA VIEW
Line 3, night shift
via drill-through

→

LOSSES
Small stops
Pareto by reason

→

EVENTS
Infeed sensor
raw event log

04 MANAGEMENT TAKEAWAYS

01
Start from user questions
Design pages around the decisions each role makes.

02
Fix definitions centrally
Agree how each KPI is calculated before building visuals.

03
Test with real users
Watch a supervisor use it, then remove what they skip.

05 COMMON MISTAKE

LIMITATION
A report for every request
Many one-off reports with slightly different numbers erode trust in all of them.