

BOSCH REXROTH – INDUSTRIAL PRODUCT PERFORMANCE & COST ANALYTICS DASHBOARD



✓ **Tool Used**

Microsoft Power BI

✓ **Domain**

Production Analytics

Presented By

Oviya Priya R



Introduction

- Bosch Rexroth is an industrial automation and manufacturing solutions company.
- Manufacturing companies need real-time monitoring of production cost & efficiency.
- This dashboard helps analyze product performance and cost trends.

Problem Statement

- Difficult to track production cost manually
- Hard to identify cost variance
- No clear visibility on department-wise efficiency
- Time-consuming monthly report preparation



Project Objective

- Analyze total production cost
- Compare planned vs actual cost
- Measure production efficiency
- Department-wise performance analysis
- Identify cost variance

Tools & Technologies Used

- ✓ Power BI
- ✓ Excel (Data Source)
- ✓ DAX (for calculations)

Technologies

- Calculated **Columns** and **DAX measures** for KPIs
- Visuals like **cards**, **charts**
- Applied **slicers** for Day, Product



Dashboard Overview

KPI Cards:

- ✓ Total Production Cost – 70M
- ✓ Planned Cost – 354K
- ✓ Actual Cost – 362K
- ✓ Efficiency – 128.75
- ✓ Production Variance – 7K

Key Visualizations:

- ✓ Production Cost by Month (Line Chart)
- ✓ Cost by Department (Column Chart)
- ✓ Cost by Year (Donut Chart)
- ✓ Cost by Shift (Waterfall Chart)
- ✓ Table by YTD & MTD
- ✓ Slicer for (Day, Department)



Business Features

- Real-time production cost and performance monitoring
- Planned vs Actual cost comparison for financial control
- Department-wise and shift-wise efficiency analysis
- Cost variance identification to reduce excess expenses
- Interactive dashboard with filters for better decision-making



Conclusion

- Provides a clear and interactive view of production performance and cost analysis.
- Helps compare planned vs actual costs to improve operational efficiency.
- Supports data-driven decision-making for better cost control and productivity.

Dashboard Overview

