

Case Study: Operations Insight – Maintenance Dashboard

Reducing Downtime by 22% and Saving \$2.1 Million in 30 Days



Challenge

42,000 minutes of unplanned downtime in one month (10.9% of available shift time)

- No unified view of which machines, shifts, or causes drove the losses
- Hard to translate minutes into cost impact for finance approvals

Solution

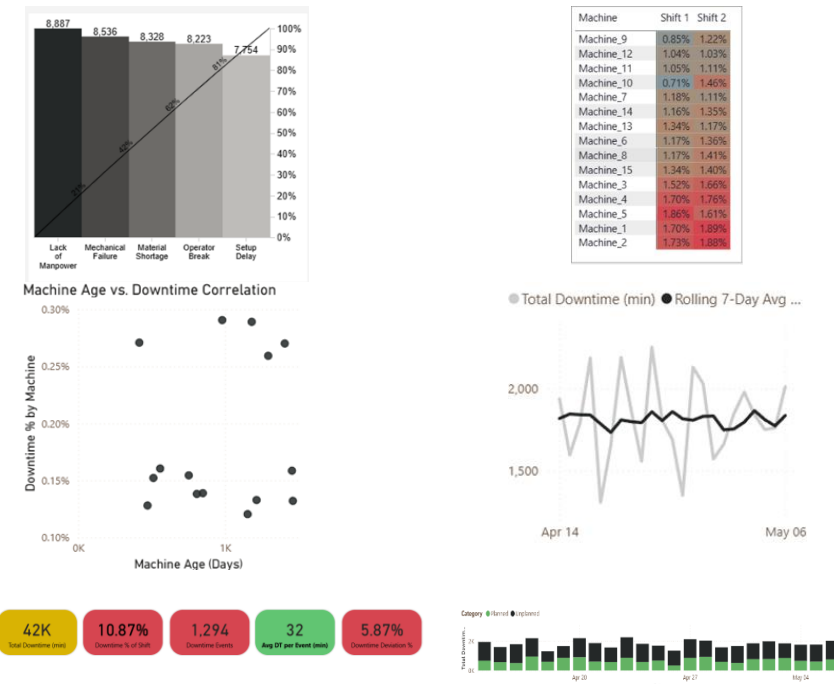
We built a star-schema Power BI model fed from simulated ERP event logs, plus:

- **Top-row KPIs:** Total downtime, downtime %, event count, avg DT/event, deviation vs 5% goal
- **7-day rolling average trend** to spot emerging spikes
- **Pareto analysis** that ranks root causes and shows cumulative impact
- **Heatmap** pinpointing machine × shift hotspots
- **Cost gauge** translating downtime minutes into \$50/min cost
- **Planned vs. Unplanned split** for proactive vs reactive maintenance
- **Asset health scatter** correlating machine age vs downtime %

Impact

By focusing on the top two Pareto causes—Lack of Manpower and Mechanical Failures—we can eliminate **42%** of downtime, recovering over **17,500 minutes** (≈ 12 days) per month. At \$50/min, that's **\$875,000** in immediate savings.

Visuals



Next Steps

1. **View the live demo** at: <https://hallpoint.co/live-demo-operations-insight-maintenance-dashboard/>
2. **Book a free walkthrough** to see this live on your own data.
3. **Contact us** to scope your custom Operations Insight engagement.