Electrical Consumption

**Problem Statement:**

The organization lacked real-time visibility into department-wise electricity usage, leading to inefficient energy consumption, undetected spikes, and high utility costs.

**Solution:**

A Power BI dashboard was developed to monitor, analyze, and report on electrical consumption across all departments. It helps identify high-usage areas, peak consumption hours, and trends to support strategic energy-saving initiatives.

**Dashboard**

“I created an interactive Power BI dashboard that provides a comprehensive overview of electrical consumption across the organization. The key components include:

* **Line/Area Chart**: Shows energy consumption trends over time, helping spot peak usage periods.
* **Bar Chart by Department**: Highlights which departments consume the most electricity.
* **Slicers**: Enable filtering by time period, department, or location for dynamic analysis.
* **KPI Tiles**: Show total consumption, cost, and percentage change from the previous period.
* **Heat Map or Table**: Displays detailed readings per hour/day to identify abnormal spikes.

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