Task: Production Monitoring Dashboard and Ecosystem Map - Coffee Beans Company

Overview: This project focuses on the development of a **Production Monitoring Dashboard** and an accompanying **Ecosystem Map** to visualize the integration of various systems and actors within the company's operations. These tools were created to support real-time monitoring of production and streamline the communication between different departments involved in inventory management, sales, and production.

Key Components:

1. **Production Monitoring Dashboard (Power BI):**
    - **Metrics Tracked:** Month-to-month production comparison, daily production rates, real-time sales against targets, and inventory levels.
    - **Locations:** Production and sales performance tracked for multiple sites (California, Florida, Illinois, New York, Texas).
    - **KPI Metrics:** Real-time indicators such as sales averages ($183.77K) and operational expenditure (OPEX).
    - **Inventory Analysis:** Tracking the sales rate vs inventory levels for various products including *Geisha*, *Arabica*, *Bourbon*, *Robusta*, and *Catimor*.
2. **Ecosystem Map (Visio):**
    - **Actors and Roles:** Visual representation of how key stakeholders interact with the system, including production employees, sales employees, backend developers, UI/UX developers, and managers.
    - **System Components:** Tools such as **Excel**, **SQL Databases**, **SharePoint**, **Azure Sentinel**, **Power BI**, **Microsoft Teams**, and **Office 365** are integrated into the map to showcase data sharing, communication, and security features.
    - **Central Systems:** The **CARE** (Centralized Access and Resource Environment) system acts as the core data-sharing hub for the company, ensuring secure communication and data flow between teams.
    - **Data Security:** Use of extended security updates, key vaults, and database management to protect company data across different platforms.

Skills Utilized:

- Power BI (Data Visualization)
- Microsoft Visio (Ecosystem Mapping)
- SQL Database Management
- Data Integration and Security
- Cross-Team Communication and System Integration