



Partner Success Stories

Industry: Manufacturing

Customer: COATS



Coats: Intelligent Dashboard Solution

Challenge:

Coats, the world's leading textile and industrial thread manufacturer, trusted KiZAN to develop intelligent dashboards that deliver real-time and historical KPI's for manufacturing and supply chain. The dashboards were needed to provide a consolidated view into manufacturing data from ERP and line of business systems and IoT-enabled equipment. The solution needed to support both high-level and granular visualizations, analysis of current statuses, and historical trends for key manufacturing processes. The solution needed to leverage cloud-based data repositories and data pipelines, including Azure SQL Data Warehouse, Azure Data Lake Store, Azure Cosmos DB, Azure Stream Analytics, Azure Data Factory, and SAP HANA.

Approach:

KiZAN proactively built a set of reports based on sample data to demonstrate the capabilities of Power BI, validate KiZAN's understanding of the desired outcomes, and refine the requirements. Then, KiZAN developed Power BI datasets and reports, while performing the necessary data transformations in the underlying data repositories.

Tactics:

KiZAN developed reports with an emphasis on aesthetics and ease of use for computer screens, large-screen TVs, and touch-enabled tablets. Reports provide a streamlined navigational experience, enabling users to start with a global overview and navigate to each plant, department, plant section, work center, and even individual machine. The datasets and reports were optimized to support nearly instantaneous, interactive experiences. The reports support natural language processing for answering questions in plain English and generate automated insights via pattern analysis. KiZAN deployed the solution to a Power BI Premium capacity for broad user base distribution with predictable, high levels of performance.

Results:

The intelligent analytics solution provides insights on dozens of operational metrics to business users ranging from the C-Suite (who can see summaries of global operations), to shop floor managers (who can monitor and optimize the performance of each individual machine). The reports provide Coats with unprecedented ability to monitor current statuses and trends throughout the enterprise, leading to improved outcomes in efficiency, quality, customer satisfaction, and compliance.



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