

Texas United Management: Driving Operational Efficiency and Sustainability Through Data Modernisation

Texas United Management (TUM), a leader in the mining and refining industry, faced complex challenges in inventory management, sales forecasting, and sustainability tracking. Seasonal demand fluctuations and the need for accurate financial reporting added further pressure on operational efficiency. To overcome these issues, TUM partnered with Cloud Formations to implement a CF.Cumulus-enabled Azure Data Platform that consolidated SAP data into a unified environment. This transformation delivered near real-time financial reporting, advanced sales trend analysis, and inventory optimisation, enabling TUM to make data-driven decisions, improve profitability, and enhance sustainability practices across its operations.

Challenge

Texas United Management (TUM) faced significant challenges in managing inventory across its operations. The complexity of tracking stock levels, asset values, and regional distribution made it difficult to maintain accurate reporting and operational efficiency. Additionally, the company needed better insight into sales trends and forecasting to predict demand and optimise production. Sustainability was another priority, requiring visibility into the distance products travelled from extraction to delivery to assess environmental impact.



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About Texas United Management



Texas United Management (TUM) operates in the mining and refining industry, producing salt and chlorine for applications such as swimming pools and hot tubs. Their business experiences strong seasonality, with sales surging in summer months. Products are extracted from multiple locations, refined, and sold in various formats, by the tonne or bag, depending on customer needs.



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Solution Overview

To address these challenges, Cloud Formations implemented a CF.Cumulus-enabled Azure Data Platform that ingests data from SAP and consolidates it into a unified environment. This solution was designed after a thorough analysis of TUM's system landscape and ideation of use cases around inventory, sales, and sustainability. The platform supports advanced reporting capabilities, enabling the Financial Director and operational teams to make informed decisions. It also incorporates sustainability tracking, analysing product movement from extraction to sale.



Outcome

The outcomes of this transformation were significant. Financial reporting moved to near real-time, with data processed and available within one hour, allowing accurate predictions and dynamic pricing strategies that improved profitability and margin management. Sales history and trend analysis provided visibility into seasonal demand patterns, enhancing forecasting, stakeholder communication, and strategic planning. Inventory optimisation became possible through real-time alerts on low stock versus expected requirements, helping maintain production efficiency and reducing unnecessary refining, supporting a just-in-time approach.

Next Steps

Find out how Cloud Formations can help you with your data journey.

Contact us on contactus@cloudformations.org or scan the QR code to book a meeting with us



Cloud Formations

Powered by products.

Delivered with expertise.

Cloud Formations helps enterprises unlock data value faster and at lower cost by combining outcome-led consulting with open-source product accelerators.

Our Services

- Data Platform Design
- CF.Cumulus Deployment
- Technical Oversight
- Architecture Review
- End to End Training



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