

Fortune 500 Petrochemical Major Case Study

Problem Statement

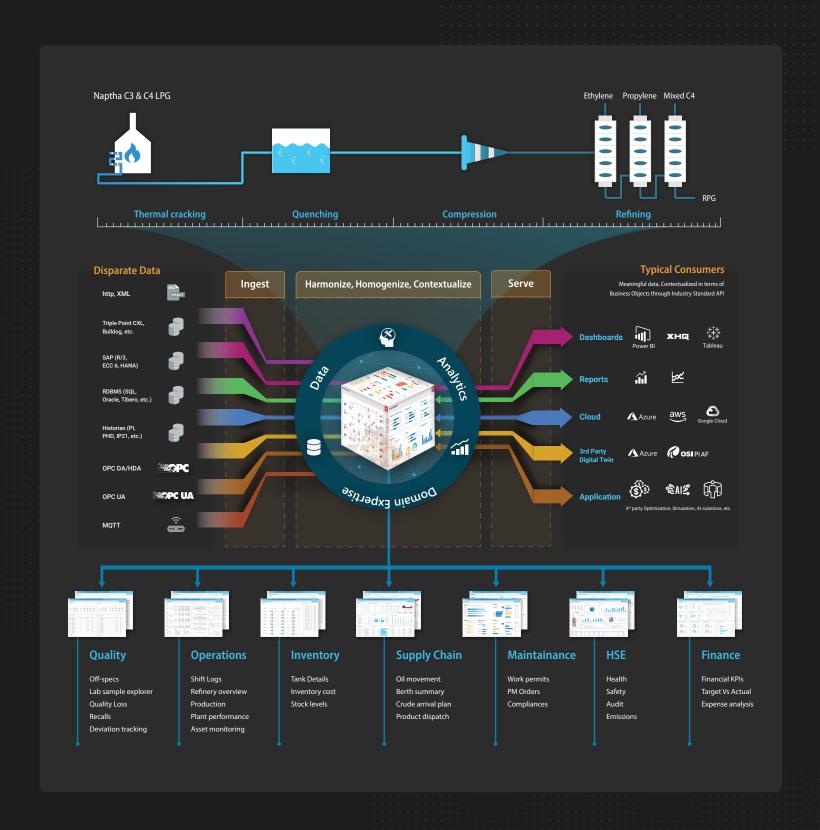
While being their biggest asset, data was the customer's biggest bane when it came to performance oversight and analytical insight.

A confluence of 25+ IT/OT data streams, such as 141,000 time-series tags and numerous applications such as SAP, ASPEN APS, LIMS, etc., supported their day to day operations. The manual & fragmented process of extracting performance oversight and insight within the opportunity window was a huge bottleneck.

They had minimal cross-functional visibility across plant and business operations that resulted in production losses, operational inefficiencies, higher energy cost, downtime, idle inventory, accidents, and near-misses.

Solution

UNLSH addressed this critical issue by cohesively blending all of the IT & OT data, and the analytics into real-time Operations Digital Twins (ODTs). The ODTs, which are contextualized cyber replicas of the customer's entire manufacturing operations, now delivered cross-functional intelligence through their visualization layer. With UNLSH's no-code workbenches, this major data leveraging, analyzing, and contextualizing endeavor was completed within 14 weeks.



Impact

Unprecedented data-driven oversight, insight, and foresight leading to reduced production loss, downtime, accidents, near-misses, non-compliances, and elimination of delayed manual reporting, non-harmonized Excel-based performance metrics, functional miscoordination, etc.

1%

Estimated Impact of Improvement in Operations Cost

USD 50M-75M

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