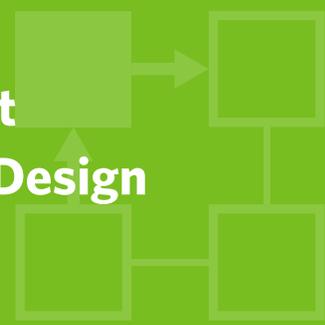




PEMEX Accelerates Project Execution with Optimized Design and Cost Estimation



“PEMEX is committed to optimal collaboration across our teams throughout the entire lifecycle of a project. We envision a continued partnership with AspenTech to deploy the most advanced technology in pursuit of our goals.”

Olga Marta Monterrubio Chavollam
PEMEX’s Manager – Engineering
and Costs

Overview

PEMEX, or Petroleos Mexicanos, is a National Oil Company and the largest company in Mexico, operating across the entire value chain of the industry—from exploration and production (upstream) to industrial transformation, logistics and marketing (downstream).

Recently, PEMEX was challenged with building a new state-of-the-art refinery while maximizing the production capacity of its existing refineries. The company realized it needed to leverage a technology solution that was not just proven and robust, but flexible and agile to mitigate significant operational and financial risks. It was critical to accelerate time to value and maximize operational performance throughout the entire process design and asset lifecycle.



Technology and Expertise that Fit

As part of its vendor evaluation process, PEMEX performed an in-depth analysis of technology products and solutions available on the market. It wasn't long before the company concluded that AspenTech's aspenONE® portfolio was the only software solution capable to provide the accuracy, ease of use and end-to-end coverage required for PEMEX to reach its operational and financial goals.

"AspenTech is fully committed to helping PEMEX secure the expertise and technology needed to push the boundaries of what is possible and build a Center of Excellence to drive operational performance," said Max Mascarenhas, AspenTech's Vice President for LATAM. "Our teams work in close collaboration to ensure PEMEX adopts the latest and greatest best-practices to make better informed process design decisions."

Driving Improvements in Output and Cost Savings

Large Oil & Gas companies like PEMEX manage complex operations with a broad set of operational challenges and must be efficient and agile to remain safe, competitive and profitable. Operating inefficiencies can account for as much as 25% loss in production output and up to a 40% increase in energy and operational costs.

AspenTech enables customers to achieve operational intelligence to ultimately drive operational excellence by:

- Enhancing design workflows while pushing the boundaries of what is possible
- Optimizing operations by running the assets to their performance limits
- Maintaining asset integrity while driving uptime via actionable insights driven by predictive analytics

aspenONE enables PEMEX to create conceptual and detailed process designs, produce accurate cost estimations and establish the baseline for cost control so they can make more informed choices early in the project. PEMEX experiences a significant reduction in the man hours required to build cost estimates, by upwards of 50%.

“PEMEX is committed to excellence in execution and to the optimal collaboration across our teams throughout the entire lifecycle of a project,” explained PEMEX’s Manager of Engineering & Costs, Olga Marta Monterrubio Chavolla. “As our new Government starts to invest in new projects, we should be able to accurately and effectively support these investments to ensure maximum returns and minimum project execution times. One of the key elements to achieve this is to leverage AspenTech. As a result, we envision a continued partnership with them so we can deploy, in association with other tools, the most advanced technology in the pursuit of our goals”.



AspenTech is a leading software supplier for optimizing asset performance. Our products thrive in complex, industrial environments where it is critical to optimize the asset design, operation and maintenance lifecycle. AspenTech uniquely combines decades of process modeling expertise with machine learning. Our purpose-built software platform automates knowledge work and builds sustainable competitive advantage by delivering high returns over the entire asset lifecycle. As a result, companies in capital-intensive industries can maximize uptime and push the limits of performance, running their assets faster, safer, longer and greener.

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