

LNG Plant Enhances Fin Fan Cleaning with Decamex®

In summer 2023, a liquefied natural gas (LNG) plant in the Gulf Coast faced a critical challenge: cleaning 820 fin fans for the first time after five years of operation without using or producing any effluent (water or foam). Recognizing the importance of maintaining efficiency, preventing equipment damage and ensuring safety, the customer started a rigorous selection process of a reliable solution provider. CTP Environment was the one chosen for the job.

The Challenge

CTP Environment stood out from eight competitors because of its expertise in process efficiency and adherence to strict environmental standards. With more than 3,500 fin fans cleaned annually, CTP's Decamex® proved to be the safest, most efficient, and cost-effective solution. Studies with major universities in Canada validated its effectiveness, confirming no abrasion, corrosion or stress corrosion cracking.



The Solution

The proposed solution was a fin fan Decamex® cleaning package, including backup equipment to mitigate potential disruptions and delays.

For 3.5 months, two teams worked in parallel to maximize speed. They were supervised by a CTP project manager, who was responsible for ensuring seamless operations and safety audits. Daily and weekly reports, which provided key insights into cleaning progress and material usage, ensured operational transparency.

The Results

"Our production team has noticed increased cleaning efficiency since CTP took over, which has led to substantial performance gains with our fans. Decamex® is a more effective cleaning solution over other methods like CO₂ blasting. CTP is fairly self-sufficient compared to past vendors we've used."

CTP Environment demonstrated the efficiency of Decamex® by completing the cleaning in three months, despite facing challenging summer weather conditions in the southern U.S. CTP's teams achieved an impressive rate of four-to-six fans cleaned per shift — outperforming liquid-based competitors.

Notably, there were no incidents or accidents during the project, resulting in exceptional feedback from the client. Pleased with the results, they engaged CTP again for additional fin fan cleaning work.

This case illustrates how Decamex® addresses critical cleaning challenges, resulting in improved efficiency, safety and environmental compliance. CTP's commitment to innovation and excellence ensures continued success in delivering value to its customers.

Explore how [Decamex®](#) can optimize your industrial facility's cleaning strategy, and operational performance, today.