

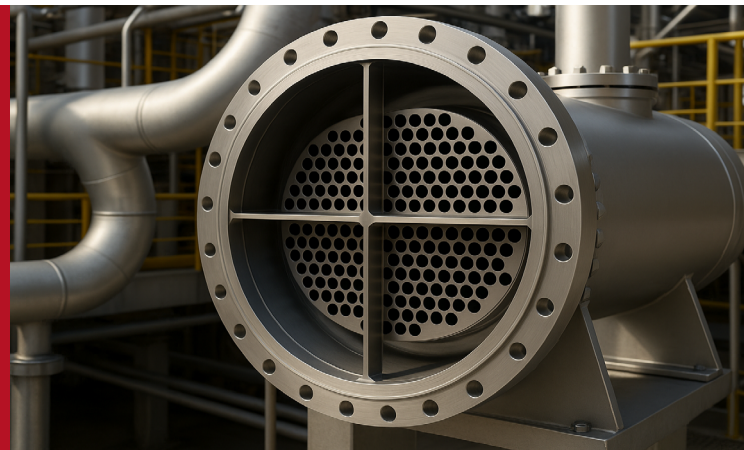
Maximizing Heat Efficiency: How CTP's Internal Chemical Cleaning Restored a Refinery's Pre-Heat Trains

A major refinery in Ontario, Canada, was experiencing decreasing heat efficiency in two of its pre-heat trains, a critical component in the refining process. With efficiency losses impacting operations, the client turned to CTP Environment for a fast, effective and safe solution to remove fouling and restore optimal heat transfer.

The Challenge

The refinery's pre-heat train exchangers accumulated fouling over time, gradually losing heat efficiency and reducing overall system performance.

To minimize downtime and ensure a thorough and efficient cleaning, the client sought an online cleaning treatment with an appropriate chemical solution to clean the equipment without disassembly. This would allow for completion within a tight schedule while meeting strict safety and environmental standards regulations.



Before

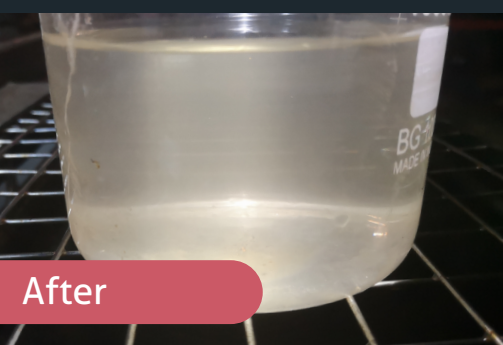


The Solution

CTP delivered a comprehensive internal chemical cleaning treatment, ensuring a fast and effective restoration of the heat exchanger's performance. From selecting the optimal chemical solution for the client's needs to demobilization, CTP's team worked closely with the client throughout the process.

The project followed a coordinated five-day schedule and was executed efficiently during day shifts, allowing the refinery to minimize downtime while achieving a deep and thorough clean.

After



The Results

After working exclusively on day shifts for less than a week, the refinery resumed operations with the desired performance and no unnecessary downtime.

The project was completed on schedule and the refinery restarted its pre-heat train exchangers at full efficiency, avoiding extended operational disruptions. CTP followed all safety protocols and completed the project with zero accidents or incidents.

By choosing CTP's internal chemical cleaning solution, the client eliminated the need for mechanical disassembly, reduced cleaning time and achieved a fast, effective and environmentally responsible cleaning process.

If you are facing similar challenges, [contact us](https://www.ctpenvironment.com) today to explore how CTP can help you restore optimal performance while minimizing production impact and maintaining the highest safety standards.