

Case Story



Eliminated Venting on Pipeline Blowdowns

Client:

The client is a major North American energy infrastructure company with headquarters in Calgary, Canada. They operate a vast network of pipelines that transports natural gas, crude oil, and other energy products across Canada, the United States, and Mexico. The company plays a crucial role in facilitating the reliable and efficient transportation of energy resources while maintaining a commitment to safety, environmental responsibility, and sustainable energy solutions.

Challenge:

In anticipation of forthcoming regulatory changes by the Canadian Federal Government to minimize venting, the client took proactive measures to explore alternative technologies. While evaluating flare stacks as an option, the company identified concerns regarding radiation levels, potential risks of ignition from crosswinds affecting nearby vegetation, and the visibility of large flames close to roadways. Additionally, they acknowledged that relying solely on portable compression would be time-consuming and significantly impact construction and maintenance teams.

TCI Solution:

In 2021, the energy infrastructure company partnered with TCI to investigate the viability of incineration as a solution for reducing venting and complying with the anticipated federal regulation. The collaboration focused on a pipeline blowdown near Grande Prairie, Alberta, where time was of the essence due to a narrow construction window. TCI provided three reliable, trailer-mounted dual stack incinerators for the project, enabling an impressive completion time of just two days instead of the originally estimated five. Notably, the operation was carried out without any safety incidents, near misses, or disturbances to the surrounding community.



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