

Case Story



Eliminated Flaring at a Wellsite in The Middle East

Client:

The client is an International Energy Company operating across four continents. Having previously encountered TCI's technology during work conducted in Canada for one of its subsidiaries, the company sought out TCI's expertise when confronted with operational issues in the United Arab Emirates.

Challenge:

Situated within the UAE, the client's site involved an oil well that produced approximately 12,000 cubic meters of associated gas daily. The absence of adequate gas infrastructure rendered the conservation of this associated gas impossible. Furthermore, the site's proximity to local communities, located within a 1–2-kilometer radius, had led to numerous past complaints regarding the environmental impact of conventional flare stacks. The concerns primarily revolved around the visible and open flame, odors, and smoke generated by the existing technology. Consequently, mounting pressure from the government urged the client to seek an alternative solution that would ensure safe and environmentally responsible operations, while also satisfying public pressure

TCI Solution:

After engaging in extensive discussions with the client's operations team in the UAE, TCI determined that deploying a rental TCI trailer-mounted unit represented the most viable approach. Given the limited experience of the operational teams in Abu Dhabi with incinerators, they were inclined to explore the option of a rental unit as a trial rather than committing to a long-term purchase. In the spring of 2023, the rental unit was delivered and promptly installed at the site. Remarkably, this unit demonstrated the capability to efficiently combust the associated gas, achieving an impressive 99.9% efficiency while completely eliminating any visible flames, black smoke, and odors. This innovative solution garnered high praise from the operations teams and significantly reduced the adverse impact on the local population.



**ELIMINATE IMPACT
TO COMMUNITIES**



REDUCED EMISSIONS






Total Combustion Inc.



Discrete Combustion

- No smoke, odor, or visible flame for discreet combustion.
- Minimize impact to local communities and residents.
- No radiant heat concerns.
- Enhanced safety.

57 Belich Crescent,
Red Deer County,
Alberta, Canada T4S 2K5

 www.tciburners.com
 (403) 309-7731 main office
 info@tciburners.com