

Expro Excellence

# Expro provides industry-leading, portable flaring instrumentation unit for Lyondellbasell

Well Flow Management | Pipeline Integrity



## Objectives and background

- Expro contacted by Lyondellbasell's pipeline operations, to develop a portable system that would meet both state and federal environmental requirements regarding portable flaring on highly reactive volatile organic component (HRVOC) applications

## Expro Excellence

- Industry leader in portable flaring services
- Instrumentation to provide data such as calorimeters and metering systems are generally designed for permanent installation therefore Expro's priority was to develop a portable system for Lyondellbasell
- Designed a portable, self-contained instrumentation unit within an 8x16 enclosed trailer, to measure and record BTU (British thermal units) content of the waste gas stream
- Collaboration with Expro Meters specialists to incorporate a PassiveSONAR<sup>®</sup>,  $\phi$  flow meter to measure and record flow of the waste gas stream
- Also provided capabilities to inject assist gas as needed to meet BTU content requirements
- Maintained a small footprint and quick rig up time

## Value to the client

- Without this solution, the client could have potentially released non-combusted hydrocarbons to the atmosphere, resulting in harm to the environment, increased emissions reporting and potential government fines
- Provided with recordable data to comply with state and federal requirements
- Reduction of harmful emissions released into the atmosphere
- Avoidance of costly fines
- Enhanced operational data