# Flare Be Gone: Cleaner, Leaner Operations

Application Sheet #68

## REAL TIME BENEFIT

85% reduction in flaring, improving both emissions and operational efficiency

## SITUATION

- A customer operating in the Permian Basin was experiencing hydrate formation in their operational area, leading to compressor-related flaring events.
- The flaring resulted in process instability and contributed to increased emissions.
- In addition to hydrate formation, the operation faced issues with fluid cleanliness and system integrity.
- Temperature fluctuations throughout the day and across seasons also made it difficult to maintain consistent system performance.

## SOLUTION

- Sirius installed 47 methanol injection systems, each equipped with 8 injection points with the patented Sirius STACK™ Multipoint technology. This equates to a total of 376 injection points in 47 Fusion2™ pumps.
- The Sirius advance filtration system with increased capacity and contact area was integrated into the system for improved protection.
- The Sirius Fusion2™ controller with temperature zone control functionality enabled specific zones to cycle on and off automatically based on changing temperature.

## RESULTS

- The customer achieved an estimated 85% flare reduction caused by compressor shutdowns, reflecting significant gains in operational efficiency and emissions reduction.
- Advanced filtration improved fluid cleanliness by removing particulates and contaminants, while controlled methanol injection enhanced system reliability and reduced hydrate-related production disruptions.
- The zone-based temperature control maintained consistent injection performance by adjusting to daily and seasonal temperature variations effectively preventing hydrate formation.