

e-Mission™

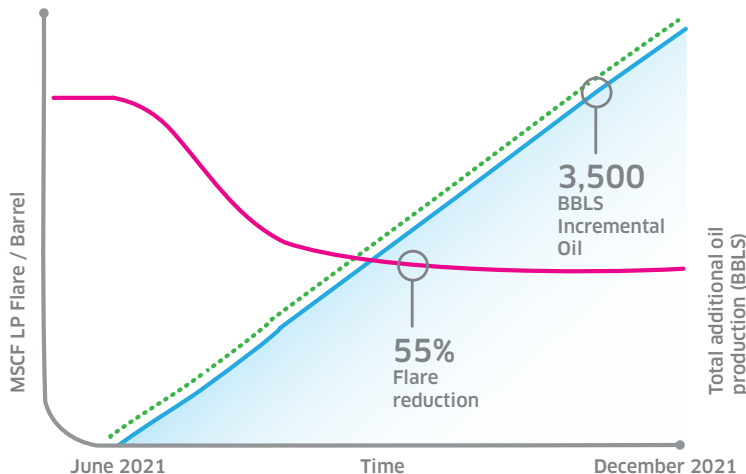
Intelligence in action for reducing greenhouse gas emissions and flaring

E-Mission™ is the next level of optimization for your production facilities. This technology drives your facilities to maximize value by utilizing first-principles based algorithm to calculate the Reid Vapor Pressure (RVP) values on location and significantly reduces greenhouse gas emissions.

E-Mission™ can be used in greenfield and brownfield applications regardless of facility design. It is the only system that uses process automation to decrease flaring and is proven to also increase production. It's easily deployed, calibrates automatically, and does not require shut down of production or physical intervention. Additional applications can be added to this digital platform to give operators greater transparency into their emissions footprint, system efficiency and productivity in real time.

Case study

During a recent case study, we adjusted these key parameters which yielded more on-spec oil delivered and sold per day.



In this case study in the Bakken Field in North Dakota, E-Mission™ reduced flaring by 160 MSCFD and increase oil production by 25 bpd (for a 5,000 bpd facility). The graph demonstrates the reduction in flaring intensity as was measured during the trial. Flaring intensity around 0.07 MSCF/BBL represents the baseline data. The RVP control setpoint was gradually stepped down to demonstrate the capability of the system to control at different temperatures and predict results over a range of process and ambient conditions. These results were obtained while digitally recording real time RVP and not exceeding regulatory maximum 13.7 psia oil RVP.



System features



Out of the box solution

- ▶ No calibration required
- ▶ Safe and secure Edge service



Easy to deploy

- ▶ Deployable across all facilities
- ▶ No shut down of production



Quick results

- ▶ Real time optimization loop
- ▶ Immediate impact

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