

InSensus™

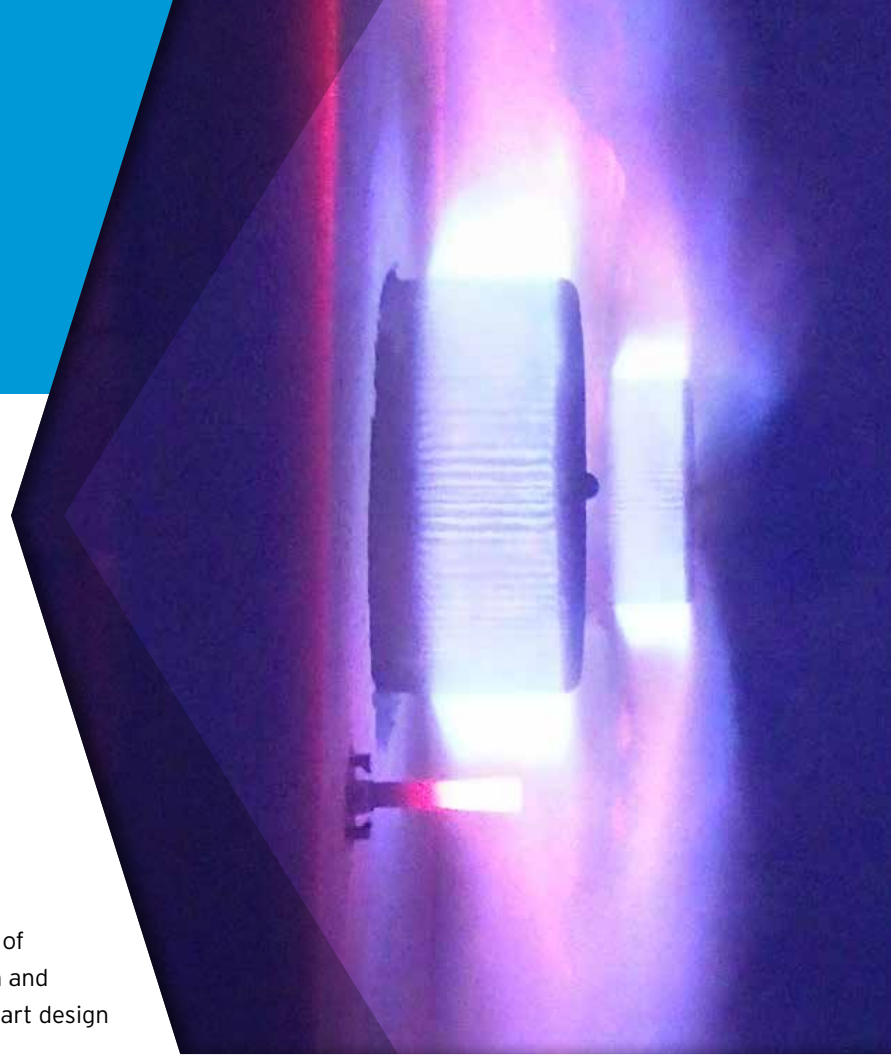
Ignition And Flame Detection

Due to increasing safety standards, petrochemical sites have been driven to implement safety upgrades. Unfortunately, a lack of manpower makes it difficult for many sites to comply with the new standards. That's why we've developed a remote burner ignition and flame-on feedback system with an optimal design for retrofitting existing or new radiant wall burners, top- and side-fired reformers, EDC and ethylene crackers.

Compact, All-In-One Single Rod System

Traditional designs will not survive the harsh environment of reforming and cracking applications. The InSensus ignition and flame detection system is the industry's most state-of-the-art design specifically for these applications.

- + Parts made from materials with non-ferrous components for longer life compared to alloys
- + No programming required as the electrode is in direct contact with the burner flame
- + Distinct burner detection without the need of complicated setup or tuning
- + Thicker rod for greater longevity - long service life even in ethylene cracker applications
- + Covered ignition channel and flame rod channel to keep out debris
- + Small outer diameter to allow retrofit in existing light and sight ports
- + Can be removed for maintenance with burner in operation
- + No fuel gas lines required
- + No external ceramic insulators



The ideal solution for retrofitting existing or new radiant wall burners, top- and side-fired reformers, EDC and ethylene crackers.



The Optimal Solution

The InSensus ignition and flame detection system was developed in response to a number of critical issues and customer needs for side- and top-fired reformers, EDC and ethylene crackers. Pilot burners require a gas supply, high-grade material selection able to withstand the extreme conditions, and reliable flame pilot supervision. UV scanners aren't ideal for all situations, because they can be costly and often find it a challenge to ignore neighboring flames in confined spaces.

The InSensus ignition and flame detection system provides dependable remote ignition, ensuring successful light-off without the need for complicated setup or tuning. Made with durable materials, it extends the service life of the system even in harsh environments. In addition, its compact, single-rod design makes it ideal for retrofits and confined spaces.



SIDE VIEW - INSENSUS IN OPERATION



FRONT VIEW - INSENSUS IN OPERATION

Pushing Innovation

Continuous innovation like our InSensus ignition and flame detection system is a vital part of our ongoing success. We invest heavily in facilities and experts. Our research and development test center is the largest and most advanced testing complex of its kind. This exclusive resource allows us to push innovation, gain expertise and measure performance in an industrial-scale setting to better simulate real-world conditions.



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