

ClearSign Texas Refinery Project Successfully Concludes Operational Testing

Company's Duplex Plug and Play™ Product Attains Performance Goals

SEATTLE, Sept. 19, 2017 /PRNewswire/ -- [ClearSign Combustion Corporation](#) (NASDAQ: CLIR), a leading provider of industrial combustion technologies that deliver unmatched reduction of pollutant emissions while improving operational costs, today announced that it had successfully completed the first installation of its revolutionary product, The Duplex Plug and Play, for industrial process heaters at a refinery in Texas. Unlike traditional burners, Plug and Play uses patented Duplex™ technology to enhance the combustion process ensuring best available, ultra-low emissions while enhancing operational efficiency by increasing the mean time between heater maintenance cycles that require furnace shutdowns.

The Plug and Play product improves heat transfer while eliminating flame impingement on process tubes. Flame impingement avoidance greatly reduces maintenance related shut downs and is a feature unique to ClearSign.

The six burner test heater was chosen by the Texas refinery to demonstrate the Plug & Play's ability to control flame impingement and improve emission performance. Starting with one burner, and incrementally adding subsequent burners as the customer's maintenance schedule allows, the first installation of Plug & Play has achieved the project goals. ClearSign is coordinating the subsequent roll out of the follow-on order to conform with the refinery's maintenance schedule and expects to finish the project by years' end.

"Needless to say, this is a very significant milestone in our evolution of Duplex Technology into a fully integrated product for industrial process heaters and boilers," said Steve Pirnat, Chairman and CEO of ClearSign. "We view the global market potential of Duplex Plug and Play as significant due to the fact that it solves unmet needs on both the environmental and operational level in a cost-effective manner that no other burner or environmental control can offer. The interest from domestic and foreign companies continues to grow, especially in China and we expect additional orders in the short to mid-term."

About ClearSign Combustion Corporation

ClearSign Combustion Corporation designs and develops products and technologies for the purpose of improving key performance characteristics of combustion systems, including emissions and operational performance, energy efficiency and overall cost-effectiveness. Our patented Duplex™ and Electrodynamic Combustion Control™ platform technologies enhance the performance of combustion systems in a broad range of markets, including the energy (upstream oil production and down-stream refining), commercial/industrial boiler, chemical, petrochemical, and power industries. For more information, please visit www.clearsign.com.

Cautionary note on forward-looking statements

All statements in this press release that are not based on historical fact are "forward-looking statements." While management has based any forward-looking statements included in this press release on its current expectations, the information on which such expectations were based may change. These forward-looking statements rely on a number of assumptions concerning future events and are subject to a number of risks, uncertainties and other factors, many of which are outside of our control, which could cause actual results to materially differ from such statements. Such risks, uncertainties and other factors include, but are not limited to, general business and economic conditions, the performance of management and our employees, our ability to obtain financing, competition, whether our technology will be accepted and other factors that are to be detailed in our periodic and current reports available for review at www.sec.gov. Furthermore, we operate in a competitive environment where new and unanticipated risks may arise. Accordingly, investors should not place any reliance on forward-looking statements as a prediction of actual results. We disclaim any intention to, and undertake no obligation to, update or revise forward-looking statements to reflect events or circumstances that subsequently occur or of which we hereafter become aware.

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For further information: Investor Relations: Matthew Selinger, Three Part Advisors, LLC for ClearSign, +1 817-310-8776, mselinger@threepa.com; Media: Brittney Garneau, Pierpont Communications for ClearSign, +1 713-627-2223, bgarneau@piercom.com