

# RADICAL COMBUSTION TECHNOLOGIES AND MACHINERY MONITORING SYSTEMS ANNOUNCE STRATEGIC PARTNERSHIP

RCT's unique algorithms and parameters to be incorporated into MMS engine health systems improving performance of legacy reciprocating engines using RCT technologies.

## NEWS PROVIDED BY

Radical Combustion Technologies, LLC and Machinery Monitoring Systems, LLC

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**VIENNA, VA and KNOXVILLE, TN, July 15, 2022** -- Radical Combustion Technologies, LLC (RCT) and Machinery Monitoring Systems, LLC (MMS) are pleased to announce they are entering a partnership to improve engine health, reduce engine emissions and improve operating performance for natural gas pipeline compressor engines.

RCT, a clean-technology company, is applying its intellectual capital to reduce emissions and improve the performance of natural gas-fueled internal combustion engines. **RCTClean™**, is a novel, patented, field-installable retrofit ignition system that cuts engine emissions and improves combustion efficiencies. RCT's initial focus is on large-bore, slow-speed, lean-burn engines used to move natural gas through gathering systems, processing plants and transmission pipelines.

MMS designs and manufactures machinery health monitoring and tuning products for industrial machinery commonly used in the gas transmission, midstream, gas processing, and petrochemical industries.

Recognizing a natural synergy between **RCTClean** technologies and the MMS ProBalance engine balance monitoring systems, RCT and MMS entered a Strategic Partnership to leverage their technologies' performance, creating a tuned system using both RCT and MMS technologies.

Currently, MMS **ProBalance®** systems are installed on natural gas-fueled legacy engines throughout the United States. The MMS ProBalance continuously monitors the peak firing pressure (PFP) for up to 20 cylinders while adjusting balance values.

RCT's unique proprietary algorithms define and analyze engine performance beyond those currently used in MMS **ProBalance**. These algorithms will be coded into the MMS ProBalance engine balancing



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systems to reduce emissions while improving engine operating performance.

RCT is conducting field acceptance tests with multiple pipeline companies to demonstrate **RCTClean**'s efficacy on Cooper-Bessemer and Worthington legacy engines. These ongoing tests confirm emissions reductions meet or exceed State and proposed Federal environmental regulations. Testing also shows dramatic improvements in combustion stability, reliability, and endurance.

The Enhanced ProBalance system will be offered as part of **RCTClean** installations starting in the second Quarter of 2023.