INSIGHTS ABOUT GASTECHNO®

ISSUE 42 DECEMBER 13, 2014

GasTechno Engages DNV GL for Technology Qualification Study

Walloon Lake, MI., December 12, 2014 (BUSINESS WIRE) – Gas Technologies LLC, the global leader in small-scale, affordable gas-to-liquids ("GTL") conversion technology, says it has engaged DNV GL to complete a Technology Qualification study of its patented GasTechno® Mini-GTL® process. The small-scale GasTechno® Mini-GTL® unit is ideal for capturing and converting stranded or associated gas from upstream oil and gas fields to high value liquids including methanol. Our Methanol In A Box® Mini-GTL® unit fits within an industry standard 40 foot shipping container which is ideal for remote field applications.

"When we shared our plans with DNV GL on developing a single step methanol process to reduce gas flaring, they recommended the Technology Qualification study as the first step in a potential long-term relationship of utilizing their services. We got excited and committed." says Walter Breidenstein, Gas Technologies CEO.

"We welcome the opportunity to work together with Gas Technologies, whose technology aligns with our own vision to have a global impact for a safe and sustainable future," said Per Sollie, Project Manager for DNV GL. "The industry is wasting vast amounts of natural gas by flaring or directly venting it into the atmosphere every year. We believe that the Gas Technologies Mini-GTL® conversion technology may be one way to implement small scale gas-to-liquids processing in a feasible, safe and cost-efficient manner, ensuring long term efficiency in hydrocarbon utilization and reducing environmental impact and risk."

Gas Technologies engaged DNV GL on October 7, 2014 to complete the "Technology Qualification of GasTechno Mini-GTL Process for Onshore & Offshore Applications" study over a six to eight-week period following their recommended practice (DNV-RP-A203). DNV GL has been evaluating various mini- and small-scale GTL and methanol technologies during 2014 and reached out to Gas Technologies to include the technology in a study that is underway by their Loughborough office.

"After we started our first pilot plant in my garage in October 2010, I realized the incredible potential that an elegant, single-step methanol process had to reduce gas flaring worldwide," Gas Technologies CEO Breidenstein said. "The second demo plant we built was in 2013 and we operated it on an actual flared gas location in Michigan that gave us the field operational data needed to design for commercialization in 2015." says Walter Breidenstein, Gas Technologies CEO.

In 2013, Gas Technologies successfully financed, designed, built, installed and operated a 4 barrel per day GasTechno® Mini-GTL® unit in the field that successfully converted 1,400 Btu associated gas at a flow rate of up to 40,000 cubic feet per day. Additionally, in July of 2013, Ocean Tomo published a **No. 1 ranking for the company's intellectual property portfolio. Ocean Tomo, an industry analyst and IP investment firm, ranked Gas Technologies 2012 patent portfolio** as No. 1 in Michigan compared with the top 100 companies and universities who also received US approved patents, a group that included the University of Michigan, Michigan State University, Dow Chemical, GE Aviation, General Motors, Ford Motor Co. and ninety-four (94) other institutions and companies.

Qualified commercial partners, licensee applicants or those interested in viewing our Mini-GTL® plant can get more information directly by contacting Walter Breidenstein at walterb@gastechno.com or calling (231) 535-2914.

About Gas Technologies LLC

Gas Technologies LLC, or GasTechno® as it is known, has developed advanced, proprietary technologies for turning stranded flare gas, landfill gas, and other sources of gas that currently aren't economical to use commercially, into valuable liquid fuels and other chemicals – quickly and inexpensively. The company is headquartered in northern Michigan with operations worldwide. For more information, visit www.gastechno.com. Micro-GTL, Mini-GTL, Methanol In A Box, GTL In A Box and GasTechno are a registered trademarks of Gas Technologies LLC.