

Hydro Dynamics, Inc.

Harnessing the Power of Cavitation



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Contact: Doug Mancosky

dmancosky@hydrodynamics.com

706-234-4111 x116

www.hydrodynamics.com

SPR Wins Award for Innovation for New Biogas Cavitation Technology

Hydro Dynamics, Inc. (HDI) of Rome, Georgia (www.hydrodynamics.com) would like to announce on Saturday, March 2, 2013, its ShockWave Power Reactor (SPR) technology won the “Targa Beltrami 2013”, a prestigious prize for the innovation in technical equipment for energy production from renewable sources. The award was presented to Three-Es (www.biospr.it), HDI’s Italian based European partner, for its efforts related to biogas as part of the FIERA BioEnergy exhibition in Cremona, Italy. In biogas our extensive lab/pilot work have shown gas yield increases over 20%, decreased retention time and better feedstock flexibility. A commercial trial is currently ongoing at a 1 MW biogas plant in Italy showing excellent initial results. Marco Soldo, proprietor of Three-Es, commented on the interest in the technology at the exhibition saying, “We are very satisfied because all our work and efforts has been paid with a great success and we had a huge influx. We collected more than 150 potential new contacts.”

The SPR is especially well suited for biogas and other biofuels. The company is already an industry leader in biodiesel reactors, commercializing its first biodiesel reactor in 2005 and has since sold over 450 million gallons/year in capacity. In ethanol the SPR provides substantial yield increase with single reactors capable of handling 2,000 gpm, handling most plants in a single SPR. To learn more about our biofuel efforts please see our alternative energy page (<http://hydrodynamics.com/markets/alternative-energy/>).

Marco Soldo of Three-Es (left) accepting the “Targa Beltrami” 2013 Award:



8 Redmond Court, Rome, Georgia 30165 · 706-234-4111
info-hdi@hydrodynamics.com · www.hydrodynamics.com