

SRNL, Hadron Technologies Signs Exclusive License Agreement for Hybrid Microwave System

AIKEN, S.C. (March 19, 2013) – Hadron Technologies, Inc., a microwave technology and systems development and manufacturing company with offices in Tennessee and Colorado, has signed a license for a Hybrid Microwave and Off-Gas Treatment System developed by the Savannah River National Laboratory, the Department of Energy’s applied science laboratory located at the Savannah River Site.

The agreement gives Hadron the exclusive rights to manufacture and sell the SRNL-developed system. The microwave system is used to support gas sample analysis as part of the SRS national defense mission. Laboratory experimentation has shown that the new form of hybrid microwave is capable of performing functions that traditional microwave systems could not achieve. The system achieves extremely high temperatures by enabling materials that usually do not react to absorb microwave energy and rapidly heat up. Metals, which normally cannot be introduced into a microwave system, can not only be treated in the system, but are actually used to help increase the temperature of the lower chamber, enabling faster degradation of waste materials.

Equipment using these technologies could be used to destroy a wide variety of substances ranging from medical wastes to harmful viruses and drugs such as methamphetamine, while still allowing for DNA analysis of the destroyed material.

“This is another good example of how laboratory innovation has changed our approach to problems,” said Dr. Terry Michalske, Director of SRNL. “Public-private collaborations such as this one are important to the mission of a National Laboratory, and this one has the potential to bring a significant technology to a number of different commercial and government markets.”

“Hadron Technologies is very excited about our exclusive licensing of the Hybrid Microwave and Off-Gas Treatment System developed by SRNL,” said Stan Morrow, Chief Technology Officer of Hadron Technologies, Inc. “This innovative microwave technology affords solutions to a number of obstacles within the commercial and government markets. We look forward to commercially implementing this technology and providing solutions to these markets.”

News from Savannah River National Laboratory

Sponsored by DOE's Office of Environmental Management, SRNL is DOE's applied research and development national laboratory at the Savannah River Site. SRNL puts science to work to support DOE and the nation in the areas of environmental stewardship, national security, and clean energy. The management and operating contractor for SRS and SRNL is Savannah River Nuclear Solutions, LLC.

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