



News Release

ECBC demonstrates novel Chemical Biological Regenerative Air Filtration system

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Aberdeen Proving Ground, Md. – A new air filtration system promising improved protection for warfighters and civilians alike was unveiled by the U.S. Army Edgewood Chemical Biological Center (ECBC) on July 28, 2003, at the Aberdeen Proving Ground Edgewood Area, Md. The system, the first of its kind designed to protect against biological and chemical agents as well as toxic industrial chemicals, uses regenerative filters that do not require renewal like conventional filters. Low-maintenance and adaptable to a wide range of environments, this technology is extremely promising and has many possible military and homeland defense applications.

Developed by ECBC under a Cooperative Research and Development Agreement (CRADA) with domnick hunter, Inc., the Chemical Biological Regenerative Air Filtration System can be installed in shelters, buildings, vehicles, ships or anywhere protection is needed against chemical or biological warfare agents.

Currently in the testing phase, the CB Regenerative Air Filtration System is completely modular, scalable and multi-purpose. Equipped with two filter beds, the self-cleaning system absorbs chemical and biological agents and toxic industrial chemicals with one filter bed while simultaneously cleaning the other filter bed with high-pressure, high-temperature air. The self-contained cleansing process and automatic rotation of filters eliminates the need for regular filter changes and associated system shutdown, and minimizes the logistical footprint for operators. The CB Regenerative Air Filtration system will be able to operate maintenance-free for extended periods.

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ECBC is the Army's principal research and development center for chemical and biological defense technology, engineering and services. ECBC has achieved major technological advances for national defense, civilian needs and industrial competitiveness, with a long and distinguished history of providing the Armed Forces with quality systems and outstanding customer service. ECBC is located at the Edgewood Area of Aberdeen Proving Ground, Md. For more information about the Edgewood Chemical Biological Center, please visit our Web site at <http://www.ecbc.army.mil> or call (410) 436-3610.