

**1) Rotec Design Ltd**

2) Field demonstration of low cost mechanical system for power increases (torque) and emission reductions for use on current in-service diesel engines in both mobile and / or stationary applications. Independently audited prototype test results confirm that Rotec's patented FreedomAir™ system with Pulse™ technology can provide Torque output increases of up to 85% -- or -- the simultaneous "At Source" emission reductions of NOx and PM (soot) up to 80% -- or -- a variable combination of emissions reduction and power increase -- adjustable "on-the-fly". Power increases of up to 85% will allow smaller sized power units to be employed in both mobile and stationary applications resulting in vehicle weight reductions and substantial fuel savings. Adaptable to Legacy, Interim, and Future vehicle programs.

The U.S. Army International Technology Center -- Southern Hemisphere has written that: .... "I have been impressed with ... this promising technology." "Beyond the obvious military applications, I am certain that commercial systems based on this technology could have significant potential both nationally and internationally."

3) Website: <http://www.rotecdsgn.com>

4) Street address: PO Box 100

5) City, state, zip code : Northville, MI 48167

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9) Email: [rotucus@aol.com](mailto:rotucus@aol.com)

**1) Hunter Manufacturing Company**

2) Hunter manufactures personnel heating and cooling systems for both tactical and combat vehicles. These include independent fuel fired heaters and those using the engine's hot water. Cabs and van bodies are kept at more comfortable temperatures with these systems. Standard and customized systems are on contract with the US Army and OEMs.

NBC filters and overpressure systems are manufactured to military specifications under long term US Army contracts. These filter both biological and chemical warfare agents from the air stream, while capturing radioactive particles. Systems are sized for use with vehicle cabs through expansible shelters and buildings. The M48 and M48A1 combination Gas and Particulate filters have been used extensively in vehicle applications, along with the Model M93 GPFU, which includes the blower and control module. Other models are shown on the website.

Hunter's Applied Research Center, near Aberdeen Proving Grounds, works on advanced concepts in the NBC defensive/protection product area. Independent and contract R&D are both conducted at this facility

3) [www.huntermfgco.com](http://www.huntermfgco.com)

4) 30525 Aurora Road

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**1) American Tank & Fabricating**

2) Fabrication and testing of metal and composites – cutting, bending, welding. Long length cutting and forming to precise tolerances. High-hard and high-strength materials. Specialty frame, structural and armor components. Rapid-turnaround prototype experience in specialty frame rails and bolt-on armor.

- 3) [www.amtank.com](http://www.amtank.com)
- 4) 12314 Elmwood Avenue
- 5) Cleveland, OH 44111
- 6) POC: Amy Roddey
- 7) Phone: 800-778-1108
- 8) Fax: 216-252-1500
- 9) Email: amy@amtank.com

**1) Chenoweth Racing Products, Inc.**

2) Chenoweth is a 30 year old company that designs & manufactures high performance vehicles for off-road applications. Chenoweth Light Strike Vehicles were used in Operations Desert Storm, Enduring freedom, and Iraqi Freedom.

- 3) Website : [www.chenoweth.com](http://www.chenoweth.com)
- 4) Street address: 943 Vernon way
- 5) El Cajon, CA 92020
- 6) POC: Michael O. Thomas, President
- 7) Phone: 619-449-7100
- 8) Fax: 619-449-7103
- 9) Email: motco@aol.com

**1) Solectria Corporation**

2) Since Solectria's incorporation in 1989, the company has focused on the design and fabrication of tightly packaged, sophisticated power generation and energy management systems, and their integration into vehicles. Solectria develops and manufactures complete electric and hybrid drive systems and individual vehicle components, and auxiliary (on-board) power systems -- AC induction drive motors with regenerative braking, high efficiency motor controllers, gearboxes, DC-DC converters, battery chargers, and various accessories and monitoring systems. Solectria's electric and hybrid-electric drive systems are found in cars, buses, trucks, and military vehicles worldwide. Solectria's power electronics are rugged enough for transportation applications in all types of operational environments and conditions, including for the military. Over 2,000 vehicles worldwide use Solectria components, from lightweight solar racing cars to full-size transit buses.

- 3) [www.solectria.com](http://www.solectria.com)

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1) **Berkshire PowerTech, Inc.**

2) Design, development, and production of advanced power transmission systems for commercial and military vehicles. Past experience includes US Army Bradley and Crusader hydromechanical infinitely variable transmissions; and more recently, commercial high speed planetary drive for series hybrid transit buses (currently in production), and multi-range parallel hybrid class 5 truck transmissions. Currently under contract for design study for series/parallel crossdrive steering transmission for US Army FCS MGV program. Also designed wheeldrive system for FCS MULE and prior FTTS drive system. Fully ACE and ProE capable. Also do hydraulic systems design and electromechanical control systems.

3) [Berkshire PowerTech.com](http://BerkshirePowerTech.com)

4) Columbia St. R&D Facility  
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5) Lee, MA 01238

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