

**FOR IMMEDIATE RELEASE**

**April 3, 2007**

**Contact: Michael Sharer**

**610-939-0480**

**[msharer@ecycle.com](mailto:msharer@ecycle.com)**

**eCycle's brushless compressor drives serve aircraft, anti-idling markets and more**

**(Temple, PA April 3, 2007)** – eCycle, Incorporated's recently introduced compressor drives, based on its innovative SolidSlot™ brushless motor/generator, offer many industries and markets a competent solution that considerably improves system performance, efficiency and reliability.

eCycle achieves these improvements by close-coupling the SolidSlot™ brushless motor to a high efficiency scroll or piston compressor. Several components associated with inefficient DC compressor units have been eliminated, while ultimately delivering increased performance and efficiency at low voltages.

The SolidSlot™ brushless motor/generator is named for its design, which replaces traditional copper windings with solid bars of aluminum. Slot fill exceeds 90%, compared to less than 50% for traditional windings, resulting in machines with super low resistance, and thereby high current capacity.

"The benefits of the SolidSlot™ brushless motor/generator for mobile air conditioning systems are numerous," said Michael V. Sharer, eCycle's VP of Marketing, "Manufacturers and users will realize increased profitability with systems that are higher in power density and efficiency. Failure and maintenance associated with brushed DC motors are virtually eliminated", he added.

Other applications include 12 and 24 volt air-conditioning for reduction of idling for long haul truck and rail applications, aircraft and marine air-conditioning with up to five-ton cooling capacity, and high efficiency back-up capability for stationary applications.

**About eCycle ([www.ecycle.com](http://www.ecycle.com))**

Established in 1996 and located in Temple, PA, eCycle produces a line of advanced brushless motors and generators, which have a wide range of applications in commercial, industrial, and consumer markets worldwide, particularly for mobile applications.