

## Lightweight Megawatt Generator Comes Through in Demonstration

The Air Force Research Laboratory and Small Business Innovation Research (SBIR) Phase III industry partner ElectroDynamics Associates, Inc. demonstrated a multi-megawatt, high speed (15,000 rpm) generator to 25 members of industry and the Department of Defense.

The demonstration showed 10X power improvement for its weight/package (under 500 lbs) over existing state-of-the-art generators. The generator is intended to supply power through a compact package for directed energy applications and for supplying megawatt power to aircraft with increasing load and mission requirements. The generator's rated peak power is 2.5MW.



*Representatives from the Department of Defense and members of industry were witness to a successful demonstration of this multi-megawatt, high-speed generator by AFRL and a SBIR Phase II partner ElectroDynamics Associates Inc. (AFRL Image)*

For additional information on this technology contact AFRL/RZ [afrl.rz.techinfo@wpafb.af.mil](mailto:afrl.rz.techinfo@wpafb.af.mil), (937) 255-3428.  
To receive more information about AFRL, visit the Homepage at [www.wpafb.af.mil/afrl](http://www.wpafb.af.mil/afrl). (RZ-11-11\_09-13) **Propulsion/Discovery**

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