



INNOVATION NETWORK

Call for Innovation (CFI)

Objective:

On behalf of the Maneuver Center Of Excellence (MCOE) and in support of their Defense Industry Day on 27 April 2010, the EDGE Network is requesting member collaboration to provide the following capability.

Requested Innovation:

Improved APU to provide power for non-propulsion functionality and to support silent watch. "Microturbines" have made significant progress in the last decade regarding reliability and overall performance. They can be attenuated as low as 55 dB at 10 meters and can vary power without "wet stacking". They require much less maintenance than combustion engine driven generators. Microturbines were evaluated many years ago and dismissed due to a variety of reason including reliability and fuel consumption. Re-reviewing a product like Capstone Microturbine may be warranted as a possibly APU.

Targeted Timelines:

- Confirmation of interest in CFI and request for Government supporting document by 17 May 2010*
- Quad chart (per MCOE format) due to MCOE 2 July 2010**

*The Government supporting documents include capability related information, quad chart requirements, MCOE process details, and government contacts. To request this document send an Email to edgeinnovation@gdc4s.com

**The EDGE staff recommends all quad charts be submitted via the EDGE to reinforce our collaborative processes. If you would like to support this please submit to the edgeinnovation@gdc4s.com by 28 June 2010, otherwise submit directly per the MCOE guidelines.

The following EDGE member proposed this CFI and may have additional information, please contact directly if interested.

- Steve Graves, Acumentrics, 781.461.8251 ext 350, sgraves@acumentrics.com

The EDGE can help identify members to collaborate with, provide subject matter expertise where appropriate, and/or peer review quad charts if desired. Contact information is:

- Rob Granau, EDGE, 480.441.5510, robert.granau@gdc4s.com