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## **INFINIA CORPORATION AND EMERGENCE BIOENERGY PARTNER TO DEVELOP BIOMASS POWER SYSTEM FOR DEVELOPING NATIONS**

**Kennewick, WA, June 21, 2007** – Infinia Corporation announced today that it has partnered with Lexington, Massachusetts-based Emergence BioEnergy Inc. (EBI) to develop a product that will serve developing nations, including their rural communities. EBI will first focus on Bangladesh and has developed a strategy for serving low-income countries around the world. EBI's novel approach involves cogeneration of electricity and heat, with the heat being used in various thermal applications (such as food dehydration) to enable new economic activities. The initial product will package together Infinia's 1 kW free-piston Stirling generator with a thermal appliance and will operate on methane gas produced by an anaerobic digester that converts livestock manure and agricultural wastes into combustible biogas. The product is highly versatile and can be adapted to other fuel sources, depending on the circumstances.

The EBI strategy, conceptualized by GrameenPhone founder and EBI CEO Iqbal Quadir, provides a platform that simultaneously generates electricity on a sustainable basis from locally available fuel sources and provides clean, high quality heat to support additional income-generating opportunities for local entrepreneurs. The digester produces fuel for the Stirling engine and produces waste solids which can be used as fertilizers and fish feed. The Stirling engine will consume biogas from the digester and generate electricity and heat. And the heat can be used to dry crops which will enable farmers to produce, preserve, transport and market higher value crops such as herbs and medicinal plants.

"We are very pleased to be working with Iqbal Quadir and his colleagues at EBI," said J.D. Sitton, Infinia CEO. Sitton continued, "Iqbal is an innovator and has an established track record of using new technologies to help improve lives in areas that otherwise lack economic opportunity. The EBI product is a model of sustainability, simplicity and efficiency and will provide real value to people in developing countries – this is an ideal application for our unique engines and a great fit with Infinia's values."

EBI CEO Iqbal Qadir added, “Infinia’s unique Stirling engine technology will enable us to provide an efficient and reliable energy system that the farmers and villagers can operate and maintain themselves. We expect to create significant local income-generating opportunities in rural areas by providing these products to entrepreneurs and by working with them to develop and sell products and services enabled by these systems. This opportunity has the potential to positively impact more people in more ways than virtually anything I’ve seen.”

Infinia’s highly reliable and maintenance-free 1 kW Stirling engine is being used in residential combined heat and power appliances expected to be commercialized in Asia and Europe over the next 18 months. Mass production of the 1 kW engine will help to ensure that the EBI product is affordable for Bangladeshi entrepreneurs and villages.

**About Infinia Corporation:**

Infinia Corporation is a developer and marketer of energy conversion products and systems using its proprietary, reliable free-piston Stirling engines. Infinia is actively developing products for the solar power, residential combined heat and power and generator set markets.

**About Emergence BioEnergy, Inc.:**

EBI’s mission is to promote energy-related economic advancement in developing countries by providing the means, financing and products for job creation. EBI was founded by Iqbal Qadir, who conceived and organized GrameenPhone by developing successful economic and distribution concepts and by forming partnerships with Bangladeshi micro-credit organization Grameen Bank and the Norwegian telephone company Telenor. Nicholas Sullivan’s recently published book, [You Can Hear Me Now](#), chronicles Iqbal’s work with Grameen Bank. The Bank and its founder and managing director Muhammad Yunus shared the Nobel Peace Prize in 2006 for their pioneering roles in micro-credit in Bangladesh. Using similar economic models as in GrameenPhone, Infinia and EBI intend to deploy EBI systems first in Bangladesh, then across a number of developing countries.

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