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Press Release

SUSTAINABILITY ANNOUNCEMENT: ESR Int'l Partners with BioSystems Designs to Manage Food Waste in Colombia

The first application of our bioconversion units in the developing world will be to help with the ecological management of food waste using the larvae of the native Black Soldier Fly, *Hermetia illucens* as the primary decomposer

Bogotá, Colombia

After 8 years of research and development on 4 different continents, the first Commercial ProtaPods® in the Americas will be used to digest and recycle food scraps from open air markets in and around Bogotá, Colombia. "We have an enormous trash problem here in the capital – if we can create an economic incentive to collect and harvest food scraps like we do with bottles, we can help reduce the burden, costs, and environmental damage associated with landfilling organics" says Grant Canary, Director of BioSystems Designs, as he discusses the technology with government officials. The patented design takes advantage of the natural digestion process of a beneficial composting grub, which can devour food scraps in only 24-36 hours. The unique feature of this bioconversion system is its ability to quickly *recycle* the valuable proteins and fats in the food scraps and repackage them as a nutritious biomass, which can be utilized in the livestock, poultry or aquaculture industries. With an impressive bioconversion rate of 20%, recycling becomes competitive with disposal.

KEY FEATURES

- 95% reduction of food waste – for every 100 lbs of scraps, only a small portion remains as compost
- Aerobic systems maintained properly will not generate foul odors AND deters filth flies
- BioGrubs instinctually self-clean and auto-separate – allowing for cost effective collection
- Advanced drainage system (with standard US fixtures) allows for scalability

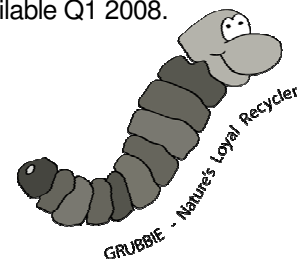
The BioPod® and ProtaPod® are the future of food scrap diversion and recycling. Available Q1 2008.

For more information, samples, video clips or high resolution images, please contact:

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Stop the non-renewable practice of sending food scraps to the landfill