

Seed Grant Awardees

March 2011 - 50 Word Non Confidential Project Summaries

All awardees will be contacted by MTI within 3 business days.

All non-awardees will receive written feedback via mail within 10 business days.

SG4630 - Shell-based Switch and Outlet Covers

EcoSeaTile LLC - Mount Desert

EcoSeaTile LLC manufactures tiles for kitchens and baths made from lobster, mussel, clam, scallop and oyster shells set in an epoxy resin. EcoSeaTile is seeking to expand its business and widen its market by creating decorative switch and outlet covers from the same materials.

Sector: Aquaculture and Marine Technology

Award: \$12,500

Match: \$19,820

SG4637 - Phase 1 Tradeshow Application

i-helpuexhibit LLC – Naples

This project is to develop a “Proof of Concept” demonstration, highlighting the key functionality of a web-based application which provides user-friendly tools that deliver real-time data and logistical information. This product will minimize the amount of time and experience required in managing and executing a trade show.

Sector: Information Technology

Award: \$12,500

Match: \$38,000

SG4638 - Rapid System to Make Genetically Engineered Mice

The Jackson Laboratory - Bar Harbor

This project will create a novel mouse strain allowing embryonic stem cells (ESC) introduced into host embryos to completely colonize the germ cell compartment, i.e. all sperm from these mice will be derived from the ESCs. This significantly speeds the generation of disease models, generating new products and services.

Sector: Biotechnology

Award: \$12,500

Match: \$13,385

SG4642 - Lobster Waste Management for Campbell Compost

Campbell Compost – Litchfield

Campbell Compost in their tenth year of operation is going to supply a new product, Maine lobster compost in re-usable containers. Containers allow customers access to quality compost that are not able to manage bulk compost. Our services provide benefits for local meat and fish markets cutting costs.

Sector: Advanced Technologies for Forestry and Agriculture

Award: \$12,500

Match: \$16,412

SG4647 - Commercial Heat Pump Water Heater Development

Nyle Systems LLC – Brewer

This seed grant application is for the development of a Commercial Heat Pump Water Heater. The product would be used to heat potable water for hotels, apartment buildings, etc. It would save 40% to 60% in energy. The grant is for prototype development.

Sector: Environmental Technology

Award: \$12,500

Match: \$49,740

SG4648 - Commercial Facility Energy Performance Monitoring

Baseline US LLC – Waterville

The Smart Energy Remote Monitoring System will collect and analyze the continuous, real-time performance of key building energy consuming systems for commercial clients. Energy performance monitoring – particularly when combined with energy improvement projects and upgrades – has proven to significantly help customers reduce energy costs and optimize facility efficiencies.

Sector: Environmental Technologies

Award: \$12,500

Match: \$25,000

SG4650 - An Augmented Reality For Our National Parks

Chimani LLC – Yarmouth

Chimani, LLC proposes to develop and augment a reality feature within its lines of mobile apps that serve as travel guides to national parks. The grant will provide the resources to design, develop and implement an “augmented” experience for visitors to the national parks.

Sector: Information Technology

Award: \$5,000

Match: \$5,000

SG4653 - Yeti Skis Testing and Market Research

Yeti Skis LLC – Veazie

Yeti Skis, a startup ski manufacturing company founded by recent UMaine graduate Christopher Bagley, requests MTI assistance for the further development, laboratory, field testing, and market research of their innovative new bamboo/composite freestyle skis.

Sector: Composite Materials Technology

Award: \$12,500

Match: \$19,900

SG4659 - Market Research for Green Marine Fuels

SeaChange Group LLC - Cape Elizabeth

SeaChange Group is developing a low emissions marine fuel that meets the upcoming MARPOL-IV emission standards with minimal increases in ship operational costs. This project expands our market knowledge of the supply chain and better prepares us for product introduction.

Sector: Environmental Technology

Award: \$7,510

Match: \$7,900

SG4663 - Marine Engine Testing and Evaluation Laboratory

Maine Maritime Academy – Castine

This MTI Seed Grant supports the initial development of a Marine Engine Testing and Evaluation Laboratory (METEL) at Maine Maritime Academy, servicing the fledgling marine biofuel industry. The laboratory may be unique in the US and is in direct response to the strict emissions regulations faced by the maritime industry.

Sector: Environmental Technology

Award: \$12,500

Match: \$14,748

SG4664 - Lights, Camera, Success!

Woodfords Family Services - Westbrook.

“Lights, Camera, Success!” provides high-tech, low-barrier teaching solutions for children with autism and other developmental disabilities. This innovative computer software simplified the process of using video self-modeling, an effective but highly sophisticated clinical intervention, and allows it to become an everyday tool for children with special needs.

Sector: Information Technology

Award: \$12,500

Match: \$13,000

SG4667 - Plasmid DNA Application in Filter Technology

Micro Technologies Inc – Richmond

A novel approach to large-scale commercial DNA production for industry use will be developed and deployed. The technology will provide one established Maine company a promising manufacturing opportunity and supply a second Maine company with DNA of very specific parameters needed to complete scale-up prototype testing of their innovative technology.

Sector: Biotechnology

Award: 12,500

Match: \$12,710