Defense

Recipient: Fidelity Technologies Corporation

Amount Requested: $6,000,000

Recipient's Address: 2501 Kutztown Rd
Reading, PA 19605

Project Description: Power Distribution Illumination System, Electrical (PDISE) provides reliable, quick to assemble, modular designed power distribution equipment that is critical to deploying power networks. The PDISE family consists of five different end items, including, two feeder systems, two power distribution systems and a utility system. PDISE is simple, reliable, and compatible with DOD generator sets from 5kW to 200kW. It is used to subdivide and distribute electricity from single power sources to multiple equipment users within shelters and various unit complexes, and thus is a critical element of the DOD power structure. PDISE is also critical to Army's transformation by reducing the logistics footprint thru the use of centralized power configurations.

Recipient: Hart Metals Inc.

Amount Requested: $3,250,000

Recipient's Address: 1415 E Broad Street
Tamaqua, PA 18252

Project Description: The program objective is to develop high-performance magnesium alloy and composite powders and magnesium casting alloys for the manufacture of lightweight components for Manned Ground Vehicles for the military. Such new materials would replace the much heavier components currently utilized in military vehicles. Funds are needed to design and construct a small atomizer to produce experimental magnesium alloy powders; to evaluate properties and performance of components made from magnesium alloy powders and magnesium casting alloys; and to develop the technologies needed to commercialize these applications

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Recipient: Heyco Metals

Amount Requested: $6,000,000

Recipient's Address: 1069 Stinson Drive
Reading, PA 19605

Project Description: The project involves the establishment of a formal structure to facilitate communication of materiel, research & development needs between industry and

the Department of Defense while accelerating the development and deployment of copper-related technologies for military readiness, energy efficiency, health and environmental protection, and manufacturing sustainability. This will leverage existing private funding to create and manage copper-related RDT&E programs through integrated partnerships among Dept. of Defense (ARL, TATRC, DLA and others), academia, and federal, state and private R&D institutions.

Recipient: MPRI

Amount Requested: $5,000,000

Recipient's Address: 525 9th St., NW
Suite 800
Washington, DC 20004

Project Description: Funding will assist PA Army National Guard units in the procurement of marksmanship training equipment that fits their tactical and training requirements based on unit-specific missions. The MGTS provides multiple suites of choices to satisfy varying needs from basic marksmanship applicable to every soldier to more advanced needs for tactical and judgmental training. The MGTS is completely portable to support unit deployment needs making MGTS a versatile addition to any unit's deployable training tools. MGTS results in faster assimilation of basic marksmanship techniques with greater effective transfer of those principles into actual shooting success on qualification exercises. MGTS can be used to accomplish sustainment training whenever time allows and eliminates the need to travel any distance to a standard firing range because it is versatile and adaptable to fit the training requirement. MGTS supports training conditions that are most conducive to learning transferable marksmanship skills which will be transitioned to actual shooting situations.

Recipient: Penn State Milton S. Hershey Medical Center, Penn State Cancer Institute

Amount Requested: $7,500,000

Recipient's Address: Penn State College of Medicine
500 University Drive
P.O. Box 850
Hershey, PA 17033-0850

Project Description: Establish the Penn State Center for Pharmacogenetics that will create a repository of samples from every cancer patient that visits Penn State. These specimens will be used to determine individual responses to therapeutic drugs and environmental toxins with the aim of identifying gene variations, or polymorphisms that predict drug response or toxicity. The emphasis will be to identify germ-line genetic profiles that predispose individuals for optimal response to chemotherapy and/or radiation-based therapies for cancer treatment or prevention.

Recipient: Valley Technologies

Amount Requested: $2,250,000

Recipient's Address: 724 Claremont Avenue
Tamaqua, PA 18252

Project Description: This project seeks to provide an operational confirmation of the capabilities of a wide field of view sensory and a reconfigurable space based processing system. This combination has been long sought after by DoD and other agency users and would provide a unique sensing capability that could be reconfigured for defense, homeland security, weather prediction, and agricultural analysis. Such a reconfigurable WFOV system would provide a life saving resource for both the war fighter and citizens involved in domestic crises and national disasters. Congress should provide funding to ensure early deployment of this system which will be of immediate benefit to the Navy and other DOD groups.