

## NEST 25-01 Request for White Papers

Requirement	Title	Anticipated Cost	Customer
AGA-25-01-001	5" Projectile Payload	\$5,000,000.00	Navy
AGA-25-01-002	Unmanned Aircraft Systems Prototyping	\$5,000,000.00	DEVCOM
ENR-25-01-001	Novel Explosive Material Development	\$3,000,000.00	NSWC IHD
ENR-25-01-002	Underwater Lethality Effects at Small Scale Prototype	\$2,000,000.00	NSWC IHD RDT&E
ENR-25-01-003	Nitrate Ester Premix Formulation Process Realization	\$2,000,000.00	NSWC IHD
ENR-25-01-004	Stick Propellant Blending and Packaging Capability	\$30,000,000.00	DEVCOM
ENR-25-01-005	Miniaturized continuous reactor for prototyping the nitration of cellulose and polyol feedstocks	\$500,000.00	NSWC IHD
ENRM-25-01-001	Energetic Liquid-Powder Mixing Simulation Tool	\$750,000.00	NSWC IHD
ENRM-25-01-002	Continuous Acoustic Mixing	\$6,000,000.00	NSWC IHD
ENRM-25-01-003	Machining Capability Modernization	\$4,000,000.00	NSWC IHD
ENRM-25-01-004	Large Rocket Motor Propellant Removal and Motor Case Reclamation Facility	\$20,000,000.00	NSWC IHD
ENRM-25-01-005	Ultrafine Ammonium Perchlorate Prototype Grinding System	\$500,000.00	NSWC IHD

ENRM-25-01-006	Modular Laboratory Research Milling and Classification prototype	\$2,000,000.00	NSWC IHD
ENRM-25-01-007	Modular Laboratory Pressing Prototype	\$2,000,000.00	NSWC IHD
ENRM-25-01-008	Solvent Recovery System and Jacketed Vessel System	\$777,000.00	NSWC IHD
ENRS-25-01-001	Detonation Science Instrumentation and Test Techniques	\$3,000,000.00	NSWC IHD
EOD-25-01-001	EOD Tool Development and Test Bed Support	\$3,000,000.00	NSWC IHD
FSA-25-01-001	Fuze, Electrical Component Obsolescence and Design	\$5,000,000.00	Navy
FSA-25-01-002	Dynamic Triggering Technology Demonstrator	\$3,000,000.00	JEMTP
FSA-25-01-003	Intelligent Fuze Sensor Technologies for for Dynamically Triggered Munitions	\$3,000,000.00	JEMTP
FSA-25-01-004	High energy reserve battery for munitions	TBD	NSWC IHD
FSA-25-01-005	Advanced Test Apparatus Prototypes for Evaluating Setback Generators	\$435,000.00	DEVCOM
FSA-25-01-006	Change in Reliability of Fuze and Explosives in Extreme Environments	\$1,500,000.00	JEMTP
MSC-25-01-001	Maritime Lethality & Vulnerability Improvements	\$5,000,000.00	NSWC IHD
OTH-25-01-002	Modular and Plug and Play Ordnance Architectures	\$2,750,000.00	JEMTP
OTH-25-01-003	Advanced Manufacturing Processes for Enhanced Thermal Reserve Batteries	\$3,371,000.00	DEVCOM
OTH-25-01-004	Advanced Thermal Batteries for DoD Applications	\$4,400,000.00	JPEO A&A

OTH-25-01-005	Mortar Ignition Cartridge Paper Tube Replacement	\$100,000.00	DEVCOM
PHST-25-01-001	Shipboard 4500 LBS. Cap. EE, Stand-up, Reach & Tier Forklift Truck	\$5,200,000.00	Navy
PHST-25-01-002	Shipboard 20,000 LBS. Cap. DS Rated Diesel Forklift Truck	\$5,200,000.00	Navy
PLS-25-01-001	Advanced Propellant Architecture for Combustion Control and Extended Range Technology	\$2,000,000.00	DEVCOM
PPS-25-01-001	Enhanced 81mm Mortar Cartridge Propulsion System	\$4,500,000.00	DEVCOM
PPS-25-01-003	Rocket Motor Design	\$13,300,000.00	Navy