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Nevada National Security Site

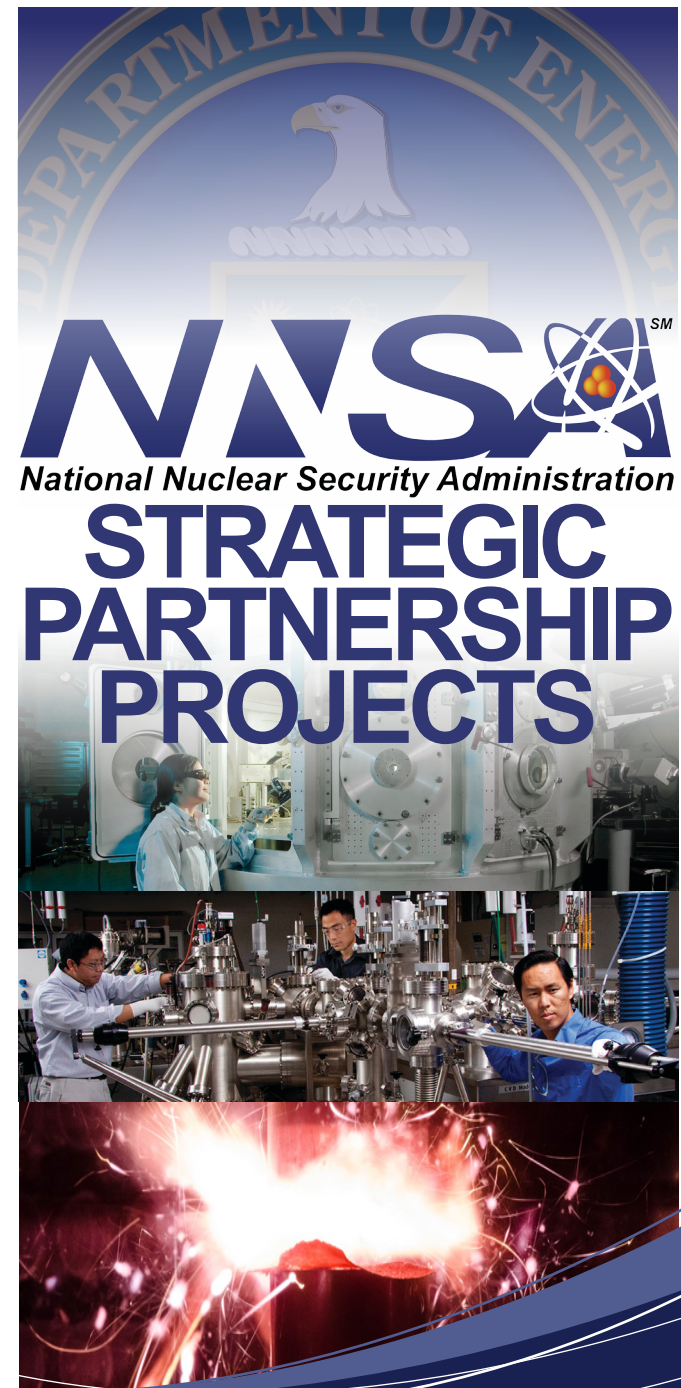
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Highlights



The DOE/NNSA national laboratories, plants, and sites have unique capabilities in many areas including: high performance computing, combustion and explosives technology, modeling of complex dynamic systems, innovative sensor and imaging technologies, long range wireless networks, ability to recreate designs for an exact duplicate or replacement with current technologies, emergency response and explosive ordinance disposal training, fabrication of complex designs, safety and security technologies and processes, and development of new materials.

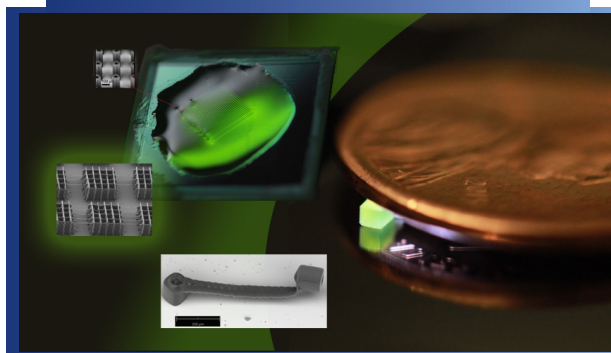
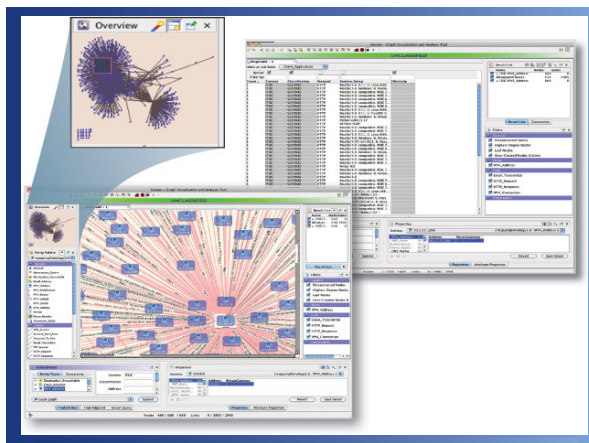
There are many examples of the work performed by the available facilities. One project involved creating novel power systems such as the Kilopower Reactor Using Stirling Technology (KRUSTY) system (shown above) for the National Aeronautics and Space Administration. Another project (displayed upper right) utilized innovative computing technologies to take large integrate disparate data sets; identify relationships, commonalities, anomalies, and nodes; and identify areas of interest. Specialized material coatings (middle right image) have been created to enable creation and fabrication of toughened and corrosion- and wear-resistant composite structures important in items such as aircraft propeller blades and cutting tools. The available high-resolution nanoscale 3-dimensional printing (lower right image) has applications too numerous to mention.

If you are interested in partnering, contact information is provided on the other side of this brochure.

Overview

The Department of Energy/National Nuclear Security Administration (DOE/NNSA) national laboratories, plants, and sites are available to conduct work for other Federal agencies and non-Federal customers on a 100% reimbursable basis.

This work uses personnel and/or facilities; pertains to the mission of the laboratory; does not conflict or interfere with the achievement of DOE/NNSA program objectives; does not place the laboratory in direct competition with the domestic private sector; and does not create a potential future burden on DOE resources.



Things to Know

The proposed work must:

- ❖ Be complementary to missions of DOE/NNSA and the facility to which the work is to be assigned.
- ❖ Not place the facility in direct competition with the domestic private sector.
- ❖ Comply with the requirements of the Economy Act of 1932, as amended (31 U.S.C. 1535), or other applicable authorizations [e.g., Executive Order (E.O.) 12333].
- ❖ Provide advance funding if the sponsor is a non-Federal entity.

Collaborative Value of Strategic Partnership Projects

- ❖ Provide assistance to Federal agencies and non-Federal entities in accomplishing goals that may otherwise be unattainable.
- ❖ Provide access to DOE/NNSA highly specialized or unique facilities, services, equipment, or technical expertise that are not available elsewhere.
- ❖ Increase research and development interactions between DOE/NNSA facilities and industry to provide opportunities for transferring technology originating at DOE/NNSA facilities to industry for further development or commercialization.
- ❖ Assist U.S. industry and universities to strengthen their technology base and improve their international competitiveness.