Sandia National Laboratories

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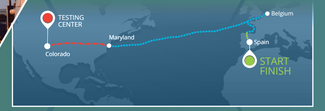
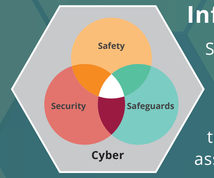
World-class scientific, engineering, and cyber solutions for safer, more secure nuclear technologies

Material Transportation Safety

Sandia researchers, with Pacific Northwest and Argonne national laboratories, ENSA, ENUSA, KAERI and KORAD completed an eight-month, 14,500-mile test to quantify the accelerations and strains surrogate spent fuel experiences when being transported in specially designed and certified casks.



Information Assurance - Cyber for 3SC



Sandia is moving toward providing a more centralized approach to support the necessary nuclear energy safeguards, safety, security and cyber dimension (3SC) technology, expertise, and capabilities needed to effectively address national security challenges associated with global nuclear expansion.

International Nuclear Security Engineering

Sandia conducts the IAEA/NNSA-sponsored International Training Course, which teaches security professionals from around the world best practices in the design of physical protection systems for nuclear material and nuclear facilities.

International Nuclear Safeguards

Sandia engages with partners and sponsors to ensure comprehensive solutions for complex safeguards applications. To that end, Sandia performs exploratory research, engineering design and development, systems engineering, simulation and modeling, test and evaluation, implementation, assessments, training and outreach, and program coordination and management.

U.S. DEPARTMENT OF ENERGY NNSA National Nuclear Security Administration

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