



Delivering Technical Expertise and Innovative Solutions

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CAPITAL CONSTRUCTION PROJECT OVERSIGHT

Leveraging its more than 25 years of experience as a trusted provider of nuclear professional services to the U.S. Department of Energy (DOE), Sigma Science has been providing support to DOE and the National Nuclear Security Administration (NNSA) for major capital construction projects since 2018. This includes support in the areas of project management and controls, engineering design reviews at DOE O 413.3B Critical Decision Points, quality assurance, risk management, performance review, construction management/oversight, operational readiness, safety and safeguards and security oversight/assessment.

Sigma Science provides capital construction project solutions through:

- ◆ Performance under direct prime contracts to DOE and NNSA as the site Acquisition and Project Management Office (APMO) Technical Support Services contractor providing oversight support.
- ◆ Provision of targeted nuclear technical and professional resources in support of DOE, NNSA, and/or prime contractors for added depth in capital construction project execution and oversight.
- ◆ Performance of discrete tasks, program or procedure development, studies, and reviews in support of capital construction projects.

Capabilities

Founded in 1996, Sigma is a small disadvantaged business with 80-plus full-time employees and access to more than 1,000 nuclear subject matter experts, engineers, scientists, and professional staff.

Project Management and Controls. Sigma has the proven ability to agilely provide high quality project management and controls resources including project managers, project controls professionals, cost estimators, and schedules in support of major capital construction projects.

Engineering Design Reviews. Sigma deploys multi-discipline engineering teams to conduct design reviews at each phase of the DOE O 413.3B Critical Decision Process.

Safeguards and Security (S&S) Oversight. Sigma brings significant S&S expertise for development of safeguards and security plans and support S&S oversight and assessments.

Risk Management. Sigma risk management professionals can develop and/or review project-specific risk management plans, procedures, risk registers, including evaluation of mitigations for efficacy.

Quality Assurance. Sigma quality assurance experts conduct quality and quality management support tasks, evaluate approved suppliers, perform assessments, and investigate quality assurance/quality control concerns.



Sigma Science is providing capital construction project oversight support to the NNSA at Savannah River Site, Y-12, and Los Alamos National Laboratory. This includes oversight support to the Savannah River Plutonium Processing Facility.

Sigma Contract Vehicles

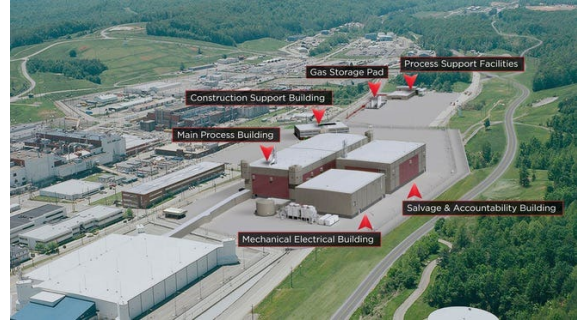
- **Technical, Engineering and Programmatic Support (TEPS) Services Blanket Purchase Agreement (BPA) III, \$400M, IDIQ, January 2023 to December 2027**
- **Honeywell Supply Chain Management Center (SCMC) Strategic Sourcing Agreement, WS190223, \$225M, October 2020 to September 2025**

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RELEVANT EXPERIENCE

NNSA Y-12 APMO Technical and Administrative Support Services

Sigma Science provides technical support services to the NNSA Office of Acquisition and Project Management (APM) Y-12 Acquisition Project Management Office (Y-12 APMO) under a five-year \$69.4 million contract (November 2022 to November 2027). The scope of work is focused on providing oversight support to NNSA for major capital construction projects at the Y-12 National Security Site, including the \$6.5 billion Y-12 Uranium Processing Facility, Lithium Processing Facility, and portfolio of other capital acquisition projects at Y-12. Sigma Science is the prime contractor for this contract which was awarded as a task under the TEPS II contracting vehicle. Sigma's team includes subcontractors Strata-G and Pro2Serve. Under this contract, Sigma is providing more than 30 staff resources including project controls engineering, construction management/engineering, quality assurance engineering, mechanical and fire protection engineering, risk managers, contracts specialists, nuclear facility operations SMEs, safeguards and security SMEs, readiness SMEs, training specialists, and administrative support staff.



NNSA Savannah River PMO Technical Support Services

Sigma Science provides technical support services to the NNSA Office of Acquisition and Project Management (APM) Savannah River Project Management Office (SRPMO) under a five-year \$60.7 million contract (May-2021 to April 2026). The scope of work is focused on providing oversight support to NNSA for major capital construction projects at the Savannah River Site, including the Savannah River Plutonium Processing Facility. Sigma Science is the prime contractor for this contract which was awarded as a task under the TEPS II contracting vehicle. Sigma's team includes subcontractor Pro2Serve. Under this contract, Sigma is providing 30 staff resources including construction engineering, discipline engineering including nuclear safety and glove box design, information technology, project controls, nuclear quality assurance, and safeguards and security.



LANL PMO ES&H and Engineering Services

Sigma provides support to LANL capital construction and major facility upgrades under a variety of contracts. Scope of services include nuclear safety support activities for the recategorization of the Radioactive Laboratory Utility Office Building to Hazard Category 3 (HC-3) nuclear facility; support to the Chemistry and Metallurgy Research Replacement project including fire protection, nuclear safety support for HC-3 recategorization; and support to NNSA for oversight of the Los Alamos Plutonium Pit Production Project involving significant facility upgrades. In addition, Sigma staff prepare and support project-specific National Environmental Policy Act documents (including Environmental Assessments and the LANL Sitewide Environmental Impact Statement for proposed infrastructure and capital projects), provides review and approval of safety basis documents and participates in nuclear safety basis Integrated Project Teams.



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Delivering technical expertise and innovative solutions.