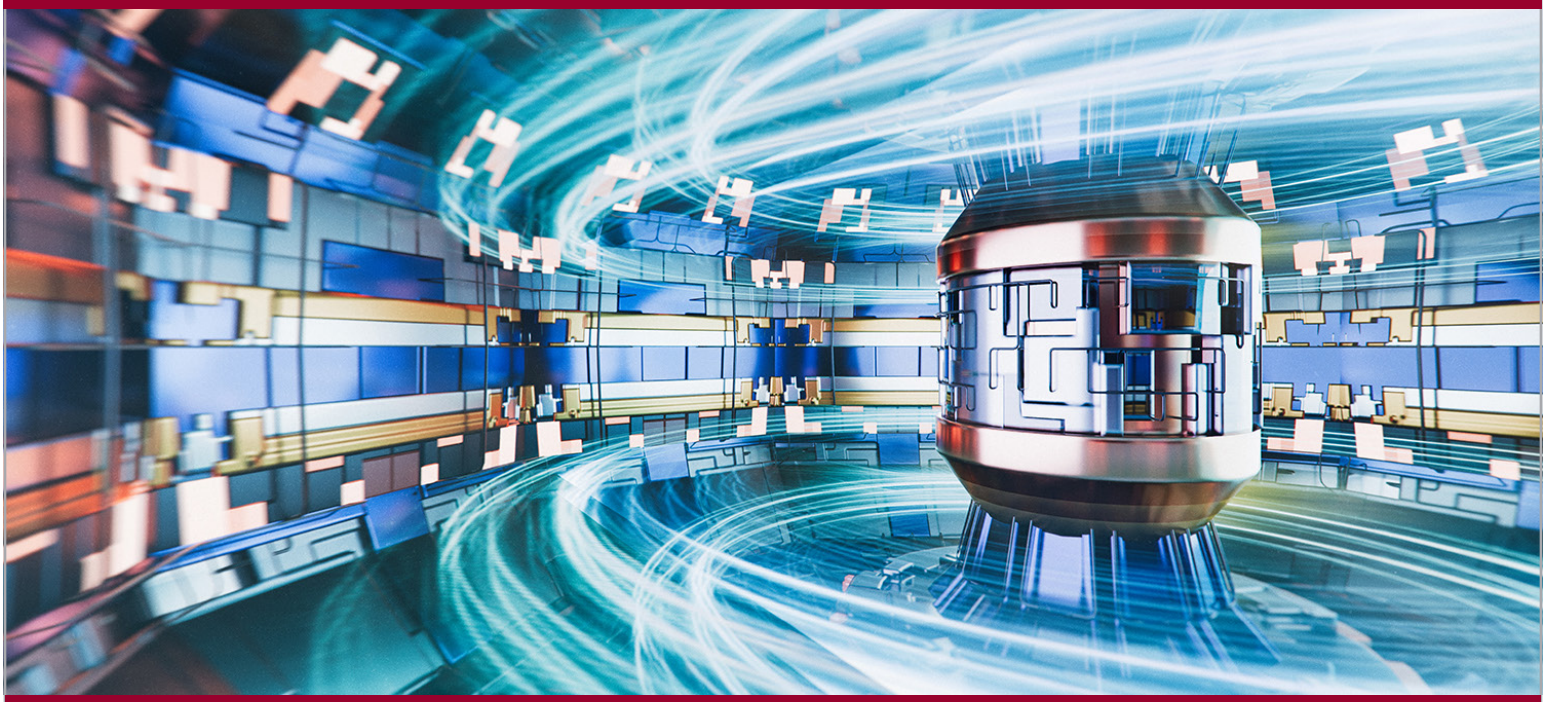
Capabilities Statement

Advanced Technology Management Services



Providing innovative energy dominance solutions for DoW missions

Advanced energy technologies are central to strengthening installation level resilience by delivering reliable, on site power generation, microgrid capabilities, and mission aligned energy solutions. Concurrent Technologies Corporation (CTC) provides technology agnostic support to identify, evaluate, and advance baseload and distributed energy options—including advanced nuclear, enhanced geothermal, and other emerging systems—that enhance installation independence and operational continuity. While our primary focus is enabling resilient energy generation and microgrid solutions for DoW installations, our approach also scales to support surrounding community energy investments where they reinforce mission assurance, shared infrastructure needs, and regional resilience objectives.

Core Competencies

- Portfolio Oversight, Program Development & Budget Planning
- Program & Project Risk Assessment
- Energy & Water Security Analysis & Planning
- Stakeholder Management & Facilitation
- Federal Partnership Management, Grants & Incentive Alignment
- Pilot Project Planning & Execution
- Decision Support & Data Analytics
- Critical Mission & Infrastructure Analysis
- Control Systems & Network Vulnerability Assessment
- Cybersecurity Compliance & Assessment
- Systems & Planning Gaps Analysis
- Utility Infrastructure Condition Assessment
- Acquisition & Real Estate Analysis
- National Environmental Policy Act (NEPA) Analysis & Documentation Development
- Incident Response & Emergency Management Planning

Differentiators

- Highly experienced program managers, analysts, attorneys, and engineers from diverse disciplines
- Experience with facilitating strong partnerships with federal, state, and local communities; tribal organizations; utilities; contracting agencies; laboratories; industry; and academia
- Leadership in process improvement and turning program best practices into the establishment of nascent metrics, programs, and offices
- Specialized planning and executing Research, Development, Test, and Evaluation (RDT&E) energy resilience, energy storage, and microgrid projects
- Objective, unbiased analyses, assessments, advice, and recommendations as an independent, non-profit partner
- Innovative and cross-functional scientific approaches applied to traditional and non-traditional acquisition processes under existing authorities and statues

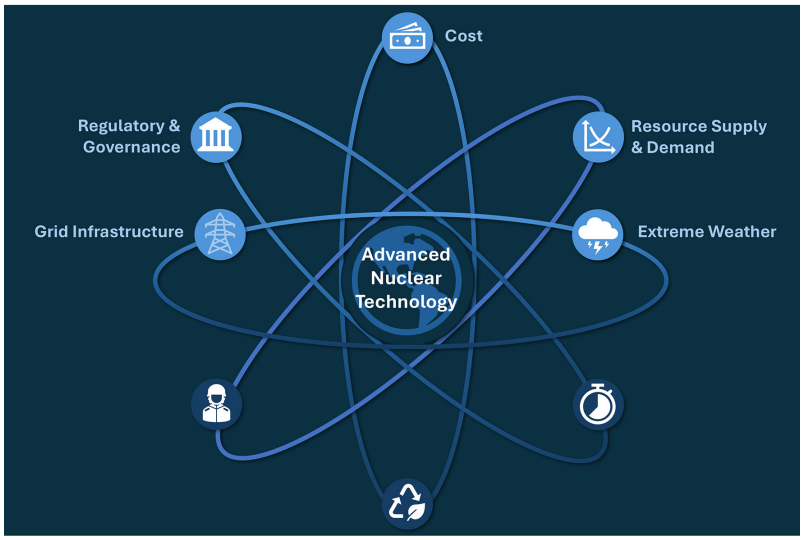
Continued

Section 327 of the John S. McCain National Defense Authorization Act (NDAA) for Fiscal Year 2019 required the Secretary of Energy to develop "a report describing the requirements for, and components of, a pilot program to provide resilience for critical national security infrastructure at Department of Defense facilities with high energy intensity and currently expensive utility rates and Department of Energy facilities by contracting with a commercial entity to site, construct, and operate at least one licensed micro-reactor at a facility identified under the report by December 31, 2027."

A key example of CTC's efforts in providing innovative energy solutions is our work on a high visibility nuclear pilot program. Since 2019, CTC has provided advisory services to the Deputy Assistant Secretary of the Air Force for Infrastructure, Energy, and Environment, in close coordination and partnership with the Defense Logistics Agency (DLA) Energy Office, the Defense Innovation Unit (DIU), Nuclear Regulatory Commission (NRC), and Department of Energy (DOE) Nuclear Energy Office to demonstrate commercial advanced nuclear reactor technology through multiple pilot initiatives such as the Eielson Air Force Base (AFB) Microreactor Project and the Advanced Nuclear Power for Installations (ANPI) initiative.

In support of the Eielson Microreactor Project, CTC documented critical acquisition, environmental, and safety requirements with DLA, DOE and NRC to better understand the energy flexibility, timeliness, and cost effectiveness of executing a Power Purchase Agreement for a third-party owned and operated, NRC-licensed advanced nuclear reactor for future application at Eielson AFB. Our findings determined that a standard approach for implementing advanced nuclear applications should consider more robust site-specific criteria, metrics, suitability analyses, and various regulatory and acquisition pathways to improve DoW's ability to scale nuclear energy options, in a data-driven way. CTC takes great pride in leading ongoing stakeholder engagement with federal, tribal, state, and local communities alongside experts across industry, utilities, and academia in Alaska to ensure the success of advanced nuclear investments and public health and safety.

Key Attributes:



- Acquisition planning & development
- Safety, shielding, cyber, physical, radiological, chemical and thermal hazards and risk assessments
- Environment, human health and safety and socio-economic analysis
- Assessment of transportation, emergency planning, international transportation agreement requirements
- Development of tailored energy resilience solutions, including microgrids
- Modeling and analysis of electrical distribution systems
- Engineering and cybersecurity integration support
- Evaluation of energy storage technologies
- Analysis of integrated energy systems with advanced reactors to diversity types of output & fuel availability
- Partnership advocacy, development, & management
- Engagement with industry and regulatory agencies to resolve unique issues associated with deployment at a specific site

Contact

Susan Van Scoyoc, Vice President, Energy, Resilience & Sustainability Division, 814-269-6892, energy@ctc.com

Concurrent Technologies Corporation (CTC) is an independent, nonprofit, applied scientific research and development professional services organization with facilities that meet DoW security requirements.

www.ctc.com

© 2026. Concurrent Technologies Corporation. All Rights Reserved.