Concurrent Technologies Corporation (CTC) offers an integrated team from diverse disciplines and highly experienced analysts and engineers, all dedicated to improving policy, programming, planning, and implementation. We develop innovative and realistic approaches to complex issues in a timely manner. Our core focus spans:

- Policy Analysis
- Strategic Planning
- Metrics Development
- Decision Support
- Comprehensive Energy and Sustainability Implementation
- Strategic Communications
- Program Development
- Energy and Water Security Analysis
- Technology Transition Planning
- Critical Infrastructure
- Risk Analysis

CTC’s quality management system is certified to the ISO 9001:2015 and AS9100D:2016; CTC’s environmental management system is certified to 14001:2015.
Comprehensive Energy and Sustainability Implementation

Setting Strategic Goals to Achieve Realistic Results

CTC has the full spectrum of technical and advisory skills needed to implement energy and sustainability initiatives. Our experienced professionals have supported Army headquarters, commands, installations, and contingency bases in the collection and analysis of sustainability, operational, and cost metrics to identify opportunity areas, research courses of action, and complete initial execution steps. CTC understands that energy and sustainability initiatives must enable the organization’s mission, requiring an integrated and cross-functional perspective of activities within the fenceline and how these interact with those outside the fence. CTC continues to document, analyze, and deliver solutions that support the military mission while reducing the environmental footprint.

Energy and Water Security Analysis

Improving the Security Posture for Critical Infrastructure

Energy Security Assessments (ESAs) provide ensured continuity of critical operations by enhancing mission capability. CTC applied its technical expertise to develop a classified ESA methodology that identifies critical facilities/systems, the energy demand/infrastructure needs of each, and plausible threats/energy security risks. The ESA results in a list of actionable and prioritized vulnerabilities. CTC has demonstrated and validated the ESA at 12 Army installations. CTC also developed an unclassified Water Security Assessment (WSA) methodology to ensure water concerns are part of critical infrastructure planning. CTC worked with the Office of the Secretary of Defense to pilot the assessment tool at 25 DoD installations, resulting in a comparison and prioritization of installation water needs by mission, supporting water management efforts and water scarcity planning.

Technology Transition Planning

Enhancing Mission Effectiveness Through Technology Innovation

CTC subject-matter experts partner with clients to evaluate technology solutions that balance mission and performance requirements with life-cycle cost considerations. CTC employs a multidisciplinary team to understand the technical and programmatic barriers to deploying innovative solutions. Working with the Department of Defense, CTC’s engineers and analysts have supported deploying 11 renewable energy systems for a total of 336 megawatts (MW) — 166MW solar, 50MW wind, 60MW biomass, and 50MW biofuel capable.

Contact

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