Concurrent Technologies Corporation’s (CTC’s) Power and Energy Programs encompass all aspects of research, development, integration, test, and evaluation relative to advanced technologies. CTC leverages an extensive background to provide a fast-track process for engineering development, demonstration, and validation of selected high-impact technologies. The goal is to transition innovative technological solutions for our client’s needs.

Who We Are
An integrated team of diverse disciplines developing the precise power and energy solution to meet our clients’ needs. Our core focus spans: Energy Efficiency, Energy Surety, Energy Sustainability, and Strategies, Assessments and Audits. Our staff includes licensed, certified and accredited professionals that are ready to provide relevant solutions to meet your needs in a timely manner.

Capabilities and Competencies

Customized Energy Assessments
- Energy Security/Surety
- Facility Condition Assessment
- Energy Conservation
- Infrastructure Assessment
- Life Cycle
- Vulnerability Assessment
- Renewable Energy Siting
- Baseline Energy Usage
- Leadership in Energy and Environmental Design (LEED®)
- Technology Assessment

Strategic Planning/Guidance/Roadmapping
- Energy Planning
- Energy Security Implementation
- Energy Dashboard metric Tracking
- Green Energy Management Plan
- Conference/Workshop Support
- Energy Policy Analysis/Development

Technology Selection, Design, Integration, Test, Demonstration and Sustainment
- Renewables
  - Photovoltaic
  - Wind Turbine
  - Waste to Energy
  - Energy Derived from Sustainable Resources
    - Characterize waste stream
    - Conversion technology assessments
    - Waste to power generation solution
  - Vehicle Hybridization/Electrification
  - Smart Grids/Microgrids
  - Zero Energy Housing
  - Energy Efficient Technology Implementation
  - Energy Storage
  - Fuel Cells / Hydrogen
  - Alternative Fuels
  - Modeling and Simulation

Tools
CTC utilizes a wide range of engineering packages to develop innovative solutions.
- LEED
- MATLAB/Simulink
- LabVIEW
- PSCAD
- EASY5
- Energy-10
- TRANE TRACE
- eQUEST
- IES-VE

Experience
CTC’s Power and Energy experience includes a broad spectrum of government and commercial applications including, but not limited to:

Vehicle Applications
- Hybrid Electric HMMWV
- Air Force MB-4 Aircraft Tow Vehicle
- Flightline Maintenance Vehicle
- Several Towbarless Aircraft Tow Vehicles
What We Can Do For You

CTC’s Power and Energy Team, using a diverse set of disciplines, solves problems from different perspectives to produce an efficient, effective solution. Our team can engage anywhere in the project life cycle and provide expertise to develop the right solution for you.

Daniel R. Markiewicz, Senior Director, Power and Energy
(814) 269-2786 or markiewi@ctc.com

www.ctc.com