CANA Energy Logistics Infrastructure (ELI)

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At a glance

The CANA Energy Logistics & Infrastructure Market focuses on research, modeling, simulation, data analytics, and program/project management, providing solutions to Federal, State, Municipal, Defense and Commercial clients in the energy logistics and infrastructure market spaces.

Return on Value

CANA's value in the energy industry is data informed decision making. In uncertain/unstable industry conditions CANA's value increases by enabling intelligent investments and decisions that enhance operational efficiency, optimize resource allocation, predict future trends, and effectively navigate complex systems integration.

CANA ENERGY
LOGISTICS & INFRASTRUCTURE

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PRODUCTS & OFFERINGS ⌄

Advanced Energy Research Toolkit (AERT)
A collection of constantly evolving tools, research techniques, analytical processes, talent, and expertise that CANA applies across the energy question space. This toolkit helps organizations both inside and outside of the DoD serve as energy thought leaders within their respective communities.

NEXUS
An Artificial Intelligence based solution that enables defense planning for unmanned systems against manned or unmanned multi-domain threats.

Synthetic Energy Insights Platform (SIP)
SIP is a cloud-based or native software solution that can intelligently manage power consumption for a single system, system of systems or network of systems.

SERVICES & CAPABILITIES ⌄

Energy Research, Analysis, and Synthetic Experimentation (RA&E)

- Emergent Technologies Research
- Energy Innovation Reports
- System of Systems (SoS) Analysis
- Energy Optimization Analysis
- Energy Simulation Packages

Energy Projects and Productization

- System Integration
- Software Development
- Design Build
- AI/ML
- Basic and Applied Research
- Applied Analytics
- Program and Project Management

APPLICATIONS & RESULTS ⌄

1 **eTHOR**
Agile, rapid deployment of a tactical 5G AWS network deploying and extending 5G's low latency, high bandwidth capabilities to the expeditionary force enabling unmanned systems, artificial intelligence, and all domain command and control.

2 **OECIF AER**
Development of a vehicle range model and a vehicle-to-grid-battery bank model. CANA wrapped both in a user-friendly dashboard, enabling forward base EV planners to quickly identify mission ranges and endurance limits for EVs under a wide array of planning factors. Separately, the dashboard informs users of the availability of EV battery power to back feed microgrids, thereby enabling more efficient use of generators.

3 **BOSEC Analysis**
Greater understanding of the energy needs of the system and what factors have significant impact on the demand. Insights into the required energy availability at the edge of the battlefield.

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CANA is a business technology solutions company *"**Powered by CANA Analytics**®."* Our expertise provides logistics systems integration, applied analytics services & software solutions. CANA LLC strives to create an environment that allows our Team and Clients more time to focus on the things that matter most.

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