



### Secure & Clean Energy Advisory Services

#### Core Competencies

##### ENERGY SOURCES + DIVERSITY

- Feasibility Studies
- Techno-economic risk reviews
- Analysis of alternatives
- Asset utilization
- Source longevity and scalability assessments
- Energy mix diversification

##### PLANNING + ADVISING

- Infrastructure capacity + adequacy reviews
- Site use optimization
- Interconnection
- Power quality and stability
- Contingency response reviews
- Systems modeling and visual AI
- Pathways + Journeys to Net-Zero

##### CYBER-PHYSICAL SECURITY OF ENERGY SYSTEMS

- Cybersecurity posture assessment
- Vulnerability and Risk Intelligence
- Operational Technology
- IEC 62443, NERC CIP and CISA/DHS reviews
- Wireless, IoT, Edge connected, Remote Access

#### Energy Domains/Areas

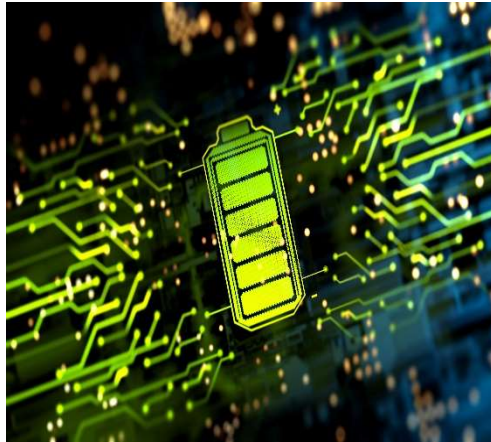
- Solar PV, Wind, Hydropower, Geothermal
- Non-traditional clean energy options:
  - o Green Hydrogen
  - o Energy Storage Alternatives (BESS, PHP)
  - o Biofuels (e.g. e-Methanol)
  - o Waste-to-Energy
- Smart energy metering infrastructure
- Smart Grids
- EV and H2 charging infrastructure
- Energy conservation measures & metrics
- Efficiency enhancements
- Bi-gen, tri-gen, CHP
- Carbon-free energy



# Pioneer IIc

## Energy Advisory Services

### Pioneer's Services and Capabilities



- ❖ Pioneer IIc's core personnel bring current and relevant energy engineering knowhow across electrical, civil, mechanical and fire protection disciplines
- ❖ The applicable skills include:
  - shaping energy systems-specific strategy, planning and design methodologies
  - reviews of industry codes, building codes & standards, energy regulations, and facility design best practices including sustainability aspects
- ❖ Cyber security skills specific to assessment, evaluations and identifying risk management approaches for energy infrastructure systems (such as substations, generation facilities, power dispatch networks, etc).

Pioneer IIc works with select teaming partners that complement our ability to provide hard-to-find subject matter experts/personnel, deep experience from past performances and shared services support for delivering to large or parallel mission requirements - allowing Pioneer IIc to scale up rapidly.

#### TECHNICAL ADVISORY

- Strategic advisors who have energy industry experience and insights
- Industry and rising thought leaders to deliver innovation to address energy challenges
- Subject Matter Experts to guide with energy transition planning

#### EXPERT STAFFING SUPPORT

- Project & Program management staff
- Energy Resilience Consulting
- Strategic Communications services
- Training and development

#### VALUE-ADDED SERVICES

- Power & environmental management systems
- Facility renovation, retrofits and maintenance
- Enterprise resource planning
- Audit assistance and remediation support
- Reporting, analytics and visual dashboards

### Firm certifications & Awards

- Small Business Administration (SBA) **8(a)** Business Development program participant
- Veteran Affairs-certified Service-Disabled Veteran-Owned Small Business (**SDVOSB**).
- SBA Certified Woman-Owned Small Business (WOSB)
- All prime contracts (delivery completed) for National Guard Bureaus (Mississippi, Minnesota, Maryland, New Mexico); Dept of Navy (NAVSEA)  
Ongoing prime contracts awardee for:
- Veterans Administration sites (Hawaii, Alaska, Tennessee, West Virginia, Kansas)

#### Points of Contact

##### Commercial:

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##### Application/Technical:

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