Power Project Solutions

Full lifecycle support for power projects worldwide
Integrated power solutions to improve operations and maximize value

Tetra Tech is a global leader in delivering safe, reliable electricity. Our energy experts provide the comprehensive technical, advisory, and financial support clients need to quickly and cost-effectively bring conventional and renewable energy projects to market.

Tetra Tech is recognized for its success in designing, engineering, and improving transmission and distribution facilities and operations worldwide. Our strengths include loss-reduction programs, commercial turnaround strategies, and seconded management services.

Representative Projects

- Transaction advisory support and negotiation assistance for energy transactions
- Loss-reduction, efficiency enhancement, and utility turnaround management support
- Feasibility studies and preliminary engineering for grid-connected solar photovoltaic projects
- Renewable energy opportunity sourcing for developers, governments, and financiers
- Electrical design for collection substations, switching stations, and transmission lines
- Environmental and social impact assessment for new energy projects
Tetra Tech delivers a full spectrum of services for power projects around the world—from concept development to project structuring, transaction support, capital raise, engineering, and asset management. Our expertise includes greenfield developments, retrofits, transmission and distribution, and improved operation and management of facilities and utilities.

**Development**
- Project identification and facilitation
  - New project sourcing
  - Feasibility analysis
- Financial advisory
  - Risk assessment
  - Capital structuring and financial modeling
  - Capital raise
  - Credit analysis and negotiations
- Transactional support
  - End-to-end transaction management
  - Bidding and tendering support
  - Negotiation support
- Environmental services
  - Due diligence
  - Environmental and social impact assessment

**Engineering**
- Engineering
  - Engineering studies
  - Conceptual and detailed design
  - Designing for construction
  - Field services
- Construction management
  - Owner’s engineering services
  - Subcontractor and vendor selection
- Environmental services
  - Environmental compliance management and inspection
  - Rehabilitation, replacement, and upgrade
  - Major component repair and replacement

**Operations and Maintenance**
- Asset management
- Distressed utility performance improvement
- Environmental services
  - Monitoring and compliance
- Engineering
  - Electrical system studies
Tetra Tech’s innovative, sustainable solutions help our clients address their water, environment, infrastructure, resource management, energy, and international development challenges. We are proud to be home to leading technical experts in every sector and to use that expertise throughout the project life cycle. Our commitment to safety is ingrained in our culture and at the forefront of every project. We combine the resources of a global, multibillion dollar company with local, client-focused delivery. tetratech.com