Clean Energy Capabilities

Tetra Tech specializes in delivering clean energy consulting to bilateral and multilateral agencies, developers, governments, and industries. At Tetra Tech, we provide actionable advisory, project development and design, construction, and implementation strategies that allow our clients to achieve their goals.

Energy Efficiency and Demand Response

Tetra Tech designs, implements, and evaluates energy efficiency and demand response programs, including innovative pricing, demand-side management, and integrated energy planning.

Renewable Energy

Tetra Tech provides a full range of services from technical and economic feasibility, to transactional support, to design engineering, operation and maintenance, environmental management, and construction services. These services are provided across a range of technologies including solar photovoltaic (PV) and concentrated solar power (CSP), onshore and offshore windpower, hydropower, geothermal, waste-to-energy, and biogas, including both on and off-grid resources.

Climate Change Mitigation and Adaptation

Tetra Tech’s work in support of climate change ranges from the development of greenhouse gas inventories to baseline assessments in support of the clean development mechanism (CDM), to the design and implementation of mitigation and adaption strategies to respond to the challenges of climate change.
Cost-effective expertise and innovation for today’s demanding market

Our offering is driven by increasing energy demand and rising costs, as well as the need to reduce carbon emissions at both national and corporate levels. Tetra Tech provides strategic advisory, design, and project implementation support services to companies and institutions worldwide.

Our Clients

We help our clients address issues from definition of national policy and strategic objectives to market assessments, resource confirmation, project identification, and energy and environmental engineering support.

Electric Utility Advisory Services

Tetra Tech advances the electricity sector by improving the energy sector’s performance, including comprehensive utility performance improvement, capability development, organizational design and restructuring, integration of new clean energy resources, and the promotion of public-private partnerships. Tetra Tech has supported energy sector performance improvement in over 125 countries and more than 200 electric utilities globally.

Energy Sector Reforms and Restructuring

As new market structures and business models emerge, Tetra Tech supports government reform by improving efficiency, performance, and commercial sustainability.

Policy and Regulatory Advocacy

Tetra Tech strengthens government institutions by supporting the development of the policy, legal, and regulatory framework that allows the efficient delivery of energy services to both businesses and citizens.

Transactional Support and Due Diligence

Tetra Tech provides pivotal transaction advisory services. We serve as advisors to governments and investors in the full transaction life cycle.

Institutional Capacity Building

Tetra Tech develops and delivers key power sector training and capacity building to governments, businesses, and civil society organizations worldwide.

Conventional Generation, Transmission, and Distribution Engineering

Tetra Tech provides engineering, environmental, and construction services for conventional thermal generation, new high voltage transmission lines and substations, as well as supporting systems and distribution networks.

Utility Performance Improvement

Tetra Tech improves electric utilities’ technical and financial performance through managerial and commercial interventions, focusing on loss reduction, power supply improvement, business planning and investment attraction, as well as enhanced customer services.

Smart Grids

Tetra Tech uses modern technology to help utilities reduce costs, improve operational efficiency, and transform the way electricity is produced, transported, and used.
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