



Energy experts leading the market on climate solutions for utilities and facilities since 1994.

Engineering

Programs

Technology

Software

Visit our website: aesC-inc.com

Core Services

Engineering

We provide energy engineering, consulting, and program implementation services to utilities and facilities.

Energy Efficiency Engineering

Our team of engineers have degrees, credentials, and experience in mechanical, energy systems, chemical, electrical, and civil engineering.

Energy Modeling, Portfolio Benchmarking and Analysis, and Audit Services

In addition to using common industry tools, AESC engineers leverage our in-house software platform to benchmark sites, assess opportunities, perform whole-building models, and measure normalized meter-based energy performance improvements over time.

Measurement and Verification (M&V)

We are experts in applying standards such as ASHRAE Guideline 14, International Performance Measurement and Verification Protocol (IPMVP), and Normalized Metered Energy Consumption (NMEC).

Water and Wastewater Optimization

We bring water sector expertise to help plants improve reliability and resiliency through optimizing pumping, collection, treatment, distribution and control systems, and considering on-site generation and load management strategies.

Programs

We help utilities and implementers achieve their goals through engineering services, trade ally coordination, M&V, and policy support.

DSM Program Implementation

We design demand side management programs that address energy efficiency, load management, demand response, and distributed generation.

Meter-Based Programs

We offer program design, implementation, and advanced M&V support for measured savings, pay-for-performance energy efficiency programs.

Energy Resiliency Services

AESC leverages our innovative software solutions to offer building portfolio managers, utilities, and local governments cost effective energy resiliency services.

Strategic Energy Management (SEM) Programs

Through training, coaching, engineering, energy modeling, and M&V support, we help commercial, industrial, and multifamily SEM participants improve energy performance.

Peak Load Management

Our services enable customers to predict peak hours, adjust loads, and avoid costly energy demand spikes.

Technology

AESC offers technology expertise and thought leadership across energy efficiency, load flexibility, energy resiliency, and transportation electrification.

Emerging Technology Studies

We execute emerging energy efficiency and decarbonization technology studies for the California investor-owned utilities, including HVAC, plug controls, lighting upgrades, pumping systems, wastewater treatment, grid-integrated building technologies, and smart meters.

Transportation Electrification

For more than a decade, AESC has been helping governments and utilities plan for and develop infrastructure for electric vehicles and implement EV programs.

Microgrid and Virtual Power Plant (VPP) Studies

AESC helps assess, plan, and recommend technology solutions for microgrids and VPPs, allowing power supply to shift to alternate energy sources.

Distributed Energy Resources (DERs)

We are DER system evaluators and researchers, experts in the interconnections, control, and the interaction with the distributed grid. These systems that enable load flexibility, resiliency, and transactive energy.

Software

AESC's dedicated software team develops software, tools, and calculators to support efficiency, renewables, and transportation programs and projects.

Praxis Platform

Praxis is a secure, cloud-based software platform that helps utilities, energy consultants, trade allies and customers navigate the complete lifecycle of energy projects for sites and portfolios, from opportunity scoping, measure modeling, and application development through meter-based performance measurement and verification.

Custom Software Development

AESC's software practice delivers custom tools for utility incentive programs and to fulfill the need for quick yet robust and defensible energy engineering calculations.



Founded in 1994, Alternative Energy Systems Consulting, Inc. (AESC) is an energy engineering and consulting firm that develops solutions in energy efficiency, renewable energy, distributed energy resources, and software for utilities, governments, and the private sector.

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Creative Problem Solvers • Industry Innovators • Trusted By Clients

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