




Our Markets



A photograph of two men on a construction site. The man on the left is wearing a bright yellow safety vest over a dark shirt, with large red and black headphones around his neck. He is pointing at a set of blueprints. The man on the right is wearing a blue hard hat, a brown jacket, and a plaid shirt. He is also looking at the blueprints. The background is a blurred construction site with some structures and trees.

SEA's team of professional engineers and certified energy managers will help building owners and representatives generate energy efficiencies that translate into cost savings while enhancing occupant comfort.



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Our Services

- ✓ Facility Engineering Services
- ✓ Commercial Energy Assessments and Audits
- ✓ Commissioning and Building Optimization
- ✓ Resource Efficiency Management (REM) Programs
- ✓ On-Site Energy Management as a Service
- ✓ Resilience and Sustainability
- ✓ Alternative and Renewable Energy Assessment Services



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OUR MARKETS

Government



Commercial



Healthcare



Laboratory &
Research



Education



Manufacturing



GOVERNMENT

SEA provides comprehensive energy solutions and on-site energy services through facility engineering, commissioning and building optimization to Federal, State and Local Governments.

Our work reduces energy consumption, increases utility savings and enhances occupant comfort for the buildings we serve.

Our foundation is built on the energy consulting services we provide to federal programs and agencies. From working with the U.S. Army and Air Force worldwide to NASA and the General Services Administration, SEA has established itself as a premium industry thought leader in energy consulting for federal, state, and local governments.


Whether you're a military base planning for resilience and sustainability or a city hall upgrading its HVAC infrastructure, SEA will work within provided guidelines to update energy efficiency standards as required under the Energy Conservation and Production Act for your state and local energy programs.

SEA's team delivers energy consulting services to federal organizations worldwide by supplying resource efficiency management and commissioning services solutions. Our certified engineers and architects provide the expertise needed to help facility owners holistically evaluate energy systems and develop energy master plan strategies that mitigate risk while enhancing resilience and sustainability.



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A photograph of the United States flag waving on a tall pole, with the dome of the United States Capitol building visible in the background under a blue sky with light clouds.

Our team has unique expertise in supporting the Army's energy and water resilience goals. We are trusted energy experts across the DoD and other federal agencies due to our technical proficiency. SEA can help your team prioritize the safety of your facilities, especially those with older infrastructure and aging HVAC systems. We also support the design and construction of new facilities.

Contracting Vehicles

SEA offers several contracting vehicles for government agencies to access our expertise in achieving energy program goals. We provide GSA and BPA contracts.

Below are some of the federal agencies we have served within the Department of Defense:



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LAB AND RESEARCH

SEA provides comprehensive energy solutions to laboratory and research industry manufacturers. These solutions translate into reduced energy consumption and increased cost savings while enhancing occupant comfort for scientists and technicians. By implementing advanced technologies and tailored strategies, SEA ensures that each facility operates at peak efficiency, ultimately contributing to a more sustainable and productive environment for groundbreaking research.



Innovative Energy Solutions

SEA can assess and optimize energy investments for laboratory and research facility infrastructures, regardless of size. In an economy where scientific discoveries and medical breakthroughs play a prominent role, research laboratory facilities are evolving rapidly. Core laboratories are increasingly important to institutions' research enterprises, especially in biomolecular science and engineering disciplines.

Laboratory and research facilities face challenges in hosting complex and expensive instruments and technologies that individual investors cannot easily own, operate, and maintain. The proliferation of these facilities calls for a careful assessment of best operational principles.

SEA provides a framework to address these challenges and opportunities by offering energy guidance and consulting services, ensuring researchers and lab technicians remain comfortable and safe.



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COMMERCIAL

SEA represents commercial property owners, helping them optimize their buildings through energy conservation measures. These measures reduce energy consumption, increase cost savings, and enhance occupant comfort. Our comprehensive approach ensures that buildings are not only more efficient but also more sustainable, contributing to long-term environmental goals and resilience against rising energy costs. By leveraging advanced technologies and innovative solutions, SEA supports property owners in achieving their energy management objectives while promoting a greener future.



SEA will help you research and develop best practices to achieve cleaner, more sustainable, and cost-effective building initiatives. Developing efficient office buildings and commercial spaces ensures a steady supply of affordable power and significantly lowers operating costs for businesses.

Commercial buildings have high energy needs, often straining the nation's power grids during peak periods. Property owners need to leverage expert engineering services to develop best practices for cleaner, more sustainable, and cost-effective operations.

Energy efficiency isn't limited to new construction. Many existing buildings are being upgraded to use less energy—even iconic structures like the Empire State Building have been retrofitted to save energy.



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Advocating for Commercial Property Owners with Comprehensive Energy Solutions:

The Department of Energy develops and deploys cost-effective solutions to enhance efficiency and lower the costs of powering commercial buildings. SEA implements these solutions with our expert engineers and certified energy managers.

Whether you own an office building or lease space, it is crucial to understand that older buildings can and should operate efficiently. Implementing energy efficiency measures can provide a fresh look and a comfortable environment for occupants, regardless of the property's age.

SEA helps building owners achieve significant advantages through energy efficiency measures such as lighting upgrades, building automation systems, and plug control. These measures ensure occupants remain comfortable and safe. Additionally, we support the design and construction of new buildings, incorporating the latest energy-efficient technologies and practices.



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EDUCATION

SEA optimizes energy consumption in schools and on campuses, resulting in significant cost savings. This approach not only reallocates funds back into the classroom but also enhances occupant comfort for students, faculty, and staff. By implementing efficient energy solutions tailored to educational environments, SEA contributes to sustainable operations that benefit both the institution and its community stakeholders.

By improving energy efficiency in your school or on your campus, you can save money, reduce your campus' carbon footprint, and demonstrate environmental leadership. Partnering with SEA allows you to benchmark and enhance energy performance, committing to significant savings that can be reinvested in the classroom.

Our team of licensed engineers specializes in delivering comprehensive energy solutions, including building optimization through commissioning and building automation services. Installing building-level energy meters enables pinpointing energy waste sources for targeted elimination, enhancing efficiency across energy-intensive spaces.

SEA offers affordable solutions to ensure comfort for students and staff, particularly in older buildings with aging HVAC systems, and supports the design and construction of new schools.



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A photograph of a healthcare professional, likely a doctor, wearing a white lab coat and a stethoscope. They are holding a clipboard and looking towards the camera. The image is partially obscured by a dark blue semi-transparent rectangular overlay that contains white text. The background is a bright, clinical setting.

HEALTHCARE

SEA provides comprehensive energy solutions tailored specifically for hospitals and medical office buildings. Our approach not only optimizes energy consumption to deliver substantial cost savings but also prioritizes enhancing occupant comfort for both patients and staff. This commitment ensures that healthcare environments are not only efficient but also conducive to healing and productivity.

Focus on Patient Comfort with Minimal Disruption from Maintenance

Facility managers face significant challenges in maintaining older hospitals and medical buildings while ensuring compliance and safety for patients and staff. Managing aging infrastructures involves maintaining critical systems and implementing preventative maintenance schedules. Additionally, integrating new technologies must be done thoughtfully to uphold safety standards and regulatory compliance.

At SEA, we understand these complexities. We offer a dedicated approach that goes beyond mere repairs, prioritizing the safety and operational efficiency of your facilities. Whether it's enhancing existing systems or supporting the design and construction of new medical office facilities, SEA is committed to helping your team navigate these challenges effectively.



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The background image is an aerial photograph of an industrial facility, likely a refinery or chemical plant, taken during the "blue hour" of sunset. The sky is a mix of orange, yellow, and deep blue. In the foreground and middle ground, several large, white, cylindrical storage tanks are visible, along with a complex network of pipes, walkways, and structural steel. The lighting is soft, with some artificial lights from the facility beginning to glow, creating a high-contrast scene between the dark structures and the bright sky.

MANUFACTURING

SEA specializes in optimizing energy consumption for conditioned manufacturing spaces, ensuring significant cost savings and a more comfortable environment for your hardworking teams. By implementing tailored energy efficiency solutions, we not only enhance occupant comfort but also support sustainable operations and increased productivity at your facility.



Customized Energy Solutions

Manufacturers are confronted with the dual challenge of boosting profits while simultaneously reducing energy costs and enhancing efficiency within their intricate building systems. Achieving sustainability hinges on their ability to harness advanced technologies effectively.

Manufacturing remains a cornerstone of our economy, fostering growth and innovation through overcoming challenges collaboratively. However, the industry currently contributes nearly 30% of U.S. greenhouse gas emissions and spends approximately \$100 billion annually on energy.

At SEA, we specialize in partnering with manufacturing sites to enhance energy efficiency and reduce costs. We can assist your team in achieving ENERGY STAR challenge goals by establishing baseline energy intensity and implementing projects that aim for a 10% reduction, all while tracking energy usage to ensure savings are verified.



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Let's Work Together!

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