

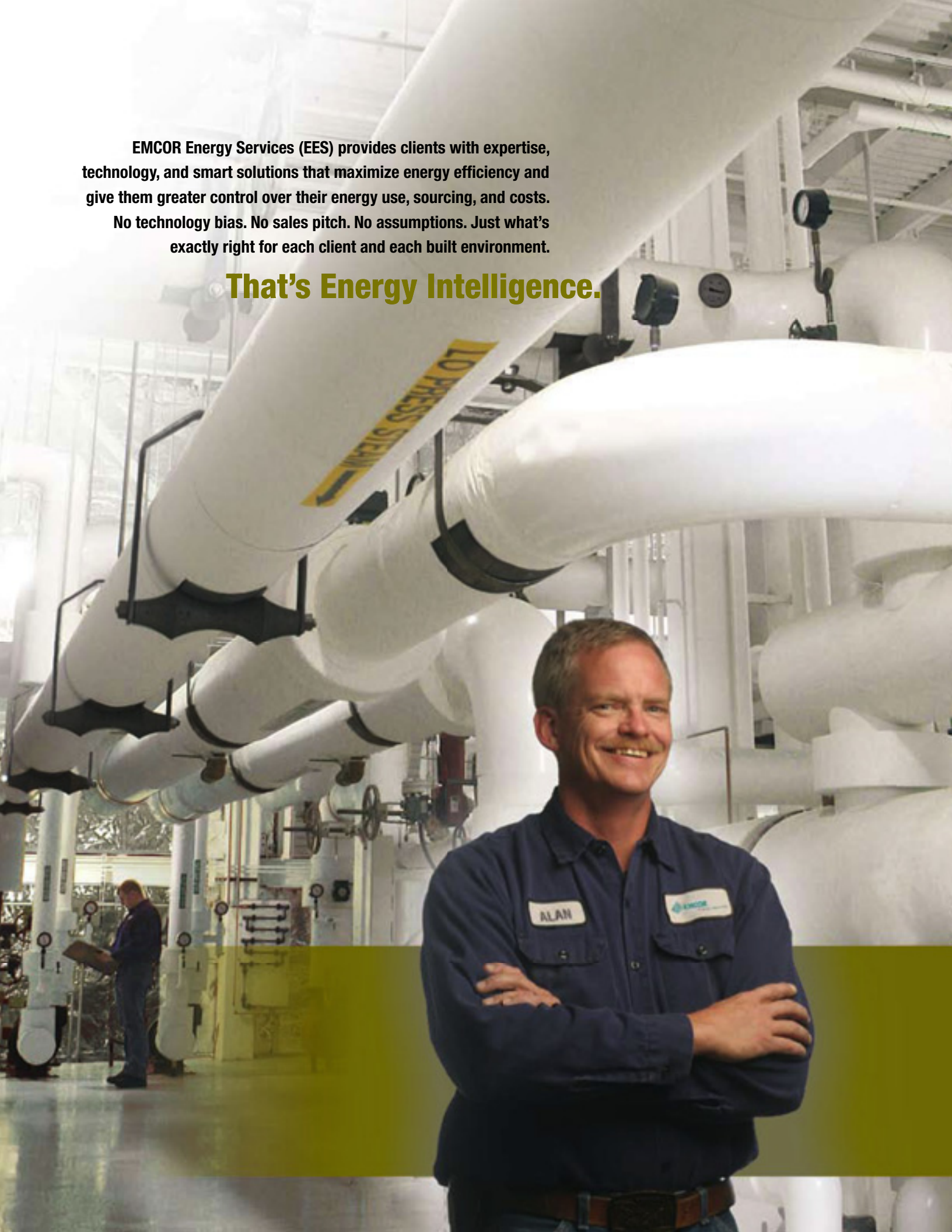


EMCOR ENERGY SERVICES

Energy Intelligence.

BUILD
P O W E R
SERVICE
PROTECT





EMCOR Energy Services (EES) provides clients with expertise, technology, and smart solutions that maximize energy efficiency and give them greater control over their energy use, sourcing, and costs.

No technology bias. No sales pitch. No assumptions. Just what's exactly right for each client and each built environment.

That's Energy Intelligence.

EMCOR Energy Services

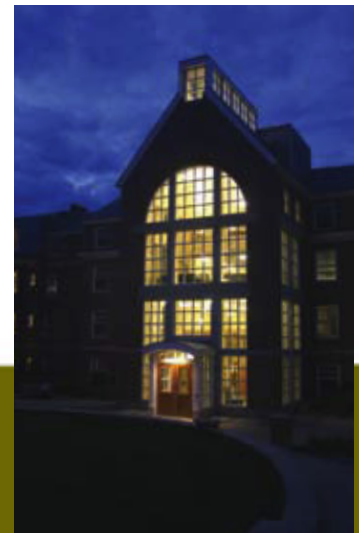
Power to move forward.

EES delivers a broad range of energy expertise and services. We fully participate at every phase of a project, from consultation and design/build to commissioning, recommissioning, operation, and maintenance. And our extensive network of operating companies throughout the United States and Canada enables us to assemble the right team of skilled professionals to meet the particular needs of each client and each facility.

A Customer Case Study

The power of knowledge.

In 2004, the University of New Hampshire (UNH) tapped EES to build, install, start up, and operate a new, 8-megawatt cogeneration plant and regional chilled water plant at UNH's Durham campus. In 2008, UNH once again selected EES to expand the cogeneration plant by adding a 4.5-megawatt gas turbine and to modify existing plant equipment to operate on processed landfill gas. The new turbine will entitle UNH to receive renewable energy credits and gives it reliable power and the flexibility and independence to meet its growing energy needs. What's more, the investment netted a payback of less than one year.



Our Energy Solutions.

At EES, we build, power, service, and protect sophisticated power facilities and energy systems that bring our clients greater efficiency and control over cost and sourcing. We employ our deep knowledge of energy systems and infrastructure, and of each client's business, to bring together the right technologies and products to meet each client's needs.

Green Buildings

EMCOR's accredited experts provide environmentally sound approaches to construction, site planning, materials, building upgrades, and energy management. Among the accreditations our professionals hold are Certified Energy Manager (*CEM*), Professional Engineering (*PE*), and Leadership in Energy and Environmental Design (*LEED*).

Green Generation

Our expertise encompasses a broad range of environmentally sound alternatives for power generation, including photovoltaic, wind, fuel-cell, biomass, landfill gas, tidal, and biofuel-fired generation. In addition, EES is a leader in the design and construction of landfill-methane blending and transport plants. We have designed and built, and provide ongoing maintenance services for, alternative-energy installations across North America.

A Customer Case Study

Clean power for all.

EMCOR designed and built one of the country's largest facilities to convert landfill gas into pipeline-quality natural gas, which is then used to generate electricity. The facility, located in Kersey, Pennsylvania, can produce 4,000 standard cubic feet of natural gas per minute—enough to heat 13,000 homes per year—and yields an environmental benefit equivalent to removing 9,100 passenger vehicles from the road. The project received a "project of the year" award from the US Environmental Protection Agency's Landfill Methane Outreach Program.



Industrial/District and Central Utility Plants

EES provides turnkey development, design, construction, and rehabilitation of boilers and related equipment, chillers, cooling towers, pumping systems, and distribution networks for Central Utility Plants.

Combined Heat and Power/ Central Utility Plant and Utility Infrastructure Operations and Maintenance

EES provides comprehensive, around-the-clock operational and maintenance services for integrated, stand-alone facilities such as high-pressure boilers, chillers, power plants, and cogeneration systems. We also manage daily operating routines such as equipment startup and shutdown, water treatment, operating-limit testing, administration duties, normal plant housekeeping, and other services.

Cogeneration

We are experts at cogeneration—the use of efficient generating and waste-heat recovery technologies to produce electricity and heat from a single fuel source. These technologies allow for a smaller footprint by producing more energy with less fuel and lower emissions. Our expertise encompasses a range of technologies, including the engineering, procurement, and construction of simple-cycle shaping generation and peaking-generation systems. We offer full life-cycle services for these systems, including financing, operations, maintenance, and specialty support services.

Waste to Energy

EES has extensive experience in developing waste-to-energy systems, which separate and burn municipal, agricultural, and industrial waste to provide a clean fuel source for steam heat and power generation. In addition, EES has developed a number of systems for extracting, cleaning, and concentrating methane gas to serve the transportation and wholesale natural-gas markets. The landfill-gas facility that EMCOR designed and built in Kersey, Pennsylvania, is a perfect example of our capabilities in this market.

Energy Efficiency Program Management and Consulting

EES provides a broad range of evaluation, consultative, program management, and feasibility services designed to save energy and reduce costs. Efficiency services include technical and economic evaluations of concepts and existing systems, site investigations, energy audits to evaluate energy use and cost, preconstruction services, program management, and turnkey services for alternative applications.

For example, our recommissioning services fine-tune the mechanical systems of a built environment to maximize efficiency and comfort and ensure optimal performance for its particular use. And EMCOR360™ Energy Solutions provides continuous oversight of the major systems of any built environment in order to optimize performance in real time. This ongoing process translates into smooth, uninterrupted operations and greater energy efficiency and cost savings.



Our Energy Expertise.

Our expertise covers nearly every type of facility and system. Our team of energy professionals comprises experts accredited to LEED, CEM, CEPP (*Certified Energy Procurement Professional*), and CEP (*Certified Environmental Professional*) standards and includes multidisciplinary professional engineers, efficiency and conservation experts, estimators, operators, and other energy specialists.

The Power of Partnership

Businesses today have many reasons for wanting greater control over their energy use, sourcing, and costs. And smart businesses know they can rely on EES to employ the right mix of technologies and products to address their particular needs—be they comprehensive energy services or a single solution to a single issue. *That's energy intelligence.*



A Customer Case Study

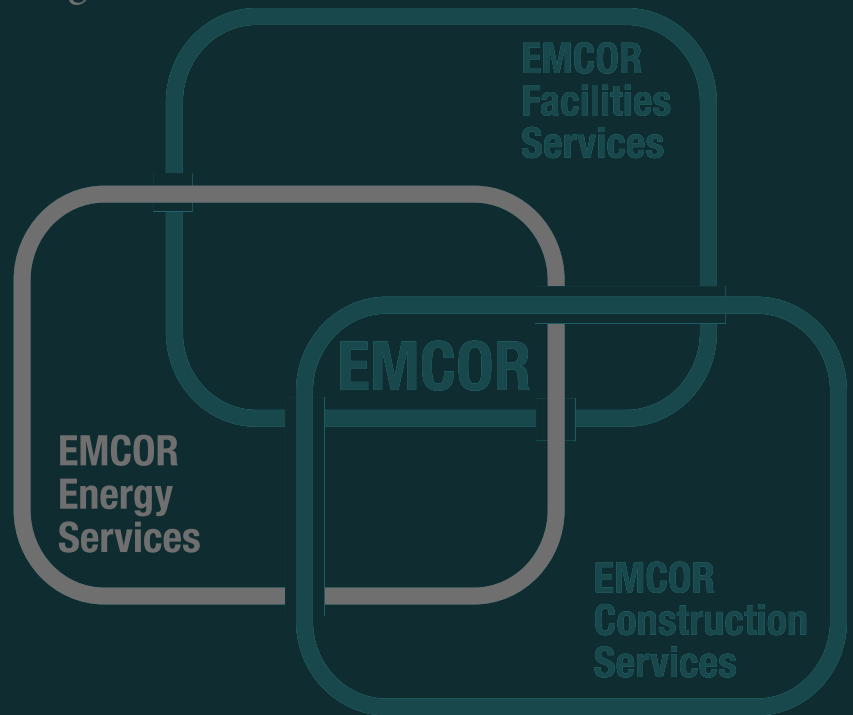
Energy to grow.

Knowing that it could achieve considerable savings through energy efficiency, Pitney Bowes engaged EMCOR to perform comprehensive energy audits for 20 facilities in the United States. Through these assessments, EMCOR identified initiatives such as retrofitting lights, reconfiguring compressed-air systems, optimizing boilers, and cogenerating electricity, all of which yield greater energy efficiency and conservation, not to mention cost savings.



BUILD. POWER. SERVICE. PROTECT.

That's the EMCOR Advantage.



EMCOR is a leader in building, powering, servicing, and protecting environmentally sound, sustainable systems for clients that seek greater energy efficiency and control over energy use, sourcing, and costs.

Services

- > Life-cycle Management
- > Green Solutions
- > Consultation
- > Program Management
- > Design/Build
- > Commissioning/ Re-commissioning
- > Infrastructure
- > Operation and Maintenance

Applications Expertise

- > Lighting Systems and Controls
- > Building HVAC Systems
- > Energy Management Systems
- > Central Plants
- > District Heating and Cooling
- > Alternate and Conventional Power Generation
- > Industrial Process Loads
- > Water Supply/Distribution
- > Wastewater Treatment

Benefits

- > Energy Predictability
- > No Product Bias
- > Access to Emerging Technologies
- > Maximum Uptime
- > Optimum Efficiency
- > Flexible, Expandable System Designs
- > Higher Return on Investment
- > Sustainability



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For many of the world's most successful organizations, EMCOR turns competitive pressure into a competitive edge. We build, power, service, and protect the sophisticated facilities and systems that help our clients increase productivity and optimize their businesses.

For more information about EMCOR Energy Services, or any of our other services, please contact us:

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