

STRATEGIC ENERGY MANAGEMENT

Energy Efficiency Taken to the Next Level



Many companies have built successful, ongoing improvement programs for safety and quality – so, why not treat energy the same way?

After you've tackled a few one-off energy efficiency projects you're going to be faced with the question of what's next? The answer is Strategic Energy Management (SEM).

SEM is a structured program for driving year-over-year improvement in energy efficiency by building critical infrastructure, transforming management practices, and increasing employee engagement and skills – so you can manage energy just like you do other key aspects of your business.

Scalable programs, quick payback

Through education, assessment, action, and with the right tools in place, SEM not only benefits your bottom line, but also improves processes, product quality, and employee engagement.

For companies with the desire and commitment to take their energy efficiency to the next level, a Cascade SEM program will:

- Turn your “fixed” energy expense into a cost you can manage. Our tools and strategies for process improvements follow the principles of Six Sigma® and lean manufacturing.
- Encourage company-wide participation by giving everyone involved a clear stake in the program's success.
- Standardize energy best practices and customize a formal energy management plan that can be integrated throughout your entire organization..

SEM principles can be applied to virtually any system in any industry, whether you're in cold storage, food processing, manufacturing, pulp and paper, water and wastewater, oil and gas, etc.

RAVE REVIEW

“ Based on my experience evaluating strategic energy management programs, I know of only a handful of companies in the country that can deliver a strategic energy management effectively, and Cascade is one of them. ”

Hossein Haeri, Ph.D., Executive Director, The Cadmus Group*

* This quote references the Strategic Energy Management component of the Energy Smart Industrial program, which Cascade Energy delivers on behalf of the Bonneville Power Administration.

10-15 %

Expect strong ROI within three years

Companies that implement a SEM program and remain engaged can expect savings of 10% to 15% within the first three years. Building on early ROI, SEM pays dividends into the future by increasing your competitive edge and providing an opportunity to invest the money saved from lowering your energy spend, back into the business.

How SEM Works



TOOLS

Implement hardware and software systems that will establish a baseline for true performance, gauge the real-time effectiveness of your energy efficiency efforts, and help staff identify, track, and assign actions connected to energy performance.

ORGANIZATION

SEM enhances and works within your existing operations management structures and programs. Commitments from employees and company leadership are essential for SEM success. Managers communicate direction. Employees engage and see that their actions have a positive impact.

SAVING ENERGY

Identify and execute on your best opportunities from O&M of existing system components, to potential capital upgrades to more efficient equipment.

Our SEM programs are tailored to meet your unique needs

Most Cascade engagements involve:

- Implementing Cascade's Energy Management Assessment to help create a plan for your specific requirements. We'll work with you to establish goals, set up an energy team, and identify training needs.
- Deploying SENSEI®, our cloud-based, energy efficiency software that tracks performance and significantly reduces the analytical and organizational hurdles to running a successful SEM program.
- Conducting "quick start" tune-ups that generate early energy savings, ROI, and increase employee enthusiasm for the program.
- Working side-by-side with your operators as they discover challenges and drive solutions. Our goal in this process is for everyone involved to feel a sense of ownership and commitment.
- Providing a foundation for pursuing ISO 50001, or other certifications.

Call for your free assessment

Contact the SEM experts at Cascade Energy to learn more. We can schedule a free, energy management assessment that will help you identify your company's strengths and opportunities for improvement.

TALK TO A CASCADE ENERGY SEM EXPERT TODAY

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We Help Industry Save Energy

Since 1993, the engineers at Cascade Energy have brought considerable industrial strength expertise to bear on energy efficiency projects for corporations and utilities. With over 50 SEM facilities on board and 6500 projects completed for a wide range of clients, Cascade has a proven track record of reducing industrial energy consumption and costs.



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