



Comprehensive Energy Management Solutions

Empowering organizations to reduce
energy costs and achieve sustainability.

In Collaboration with EnSmart Solutions

Why Energy Management Matters

Achieve Cost Efficiency & Sustainability

At ECCAN, we partner with EnSmart Solutions to provide a full suite of Energy Management services tailored to help clients reduce utility costs, enhance operational efficiency and achieve sustainability goals. With years of industry expertise, EnSmart's energy engineers and our cutting-edge energy monitoring technology ensure that your operations and utility costs are optimized for peak performance and long-term cost savings.

The Need for Optimized Energy Solutions

Energy costs are among the largest expenses for commercial and industrial operations. Rising utility prices, increasing environmental regulations and the need for climate change action make it critical to optimize energy use. Our holistic approach to energy management focuses on reducing consumption through higher efficiency, monitoring and tracking. We work with clients to lower operating costs while mitigating greenhouse gas emissions to enhance your organization's environmental performance. By optimizing energy use, businesses can play a vital role in reducing their carbon footprint and demonstrate their commitment to sustainability.



Our Core Services

End-to-end, white glove energy management consulting services

At ECCAN, we provide a comprehensive suite of energy management solutions tailored to meet the unique needs of commercial and industrial businesses. Our goal is to help you reduce utility costs, optimize energy usage, and achieve long-term sustainability through advanced analytics, expert engineering, and seamless integration of energy-saving technologies. Whether you need detailed energy audits, real-time monitoring, or project management support, ECCAN's innovative services are designed to drive measurable efficiency and cost savings.



Energy Audit Services

Detailed technical and financial analysis, identifying inefficiencies.



Energy Monitoring & Tracking

Ongoing monitoring to detect inefficiencies early.



Engineering & Project Management

Full lifecycle support for energy-saving projects.



Energy Modelling & Simulations

Simulations to predict and optimize energy use.



Energy Audit Services

Energy audits are the first step to uncovering opportunities for energy savings and operational improvements. Rising utility costs create the need for expertise to help identify inefficiencies in your facilities and guide you in prioritizing upgrades.

What We Offer:

- Comprehensive on-site energy evaluations using industry-standard methodologies such as ASHRAE Level 1, 2, or 3 audits.
- Tailored audits for commercial and industrial facilities, addressing systems like HVAC, lighting, building envelope, specialized manufacturing equipment and processes.
- Detailed audit reports, including electricity, gas and water usage, which offer technical recommendations and financial insights, such as payback periods, return on investment (ROI) and emissions reductions.

Benefits:

- Reduce utility costs by as much as 10-30% through recommended upgrades.
- Maximize your return by leveraging provincial and federal energy efficiency incentives.
- Gain actionable insights to help prioritize energy efficiency measures based on your specific operational needs. Reduced need for repair and replacements through optimized processes and duty cycles.



Energy Use Monitoring & Tracking Services

Many organizations fail to track utility consumption, leading to inefficiencies and undetected performance issues. Our monitoring and targeting services provide real-time insights into energy consumption, enabling you to make data-driven decisions and achieve continuous operational improvements.

What We Offer:

- Statistical analysis for tracking historical and ongoing energy consumption, ensuring early detection of inefficiencies.
- Ongoing utility performance monitoring, tracking energy use patterns over time to identify anomalies and optimize operations.
- Training programs to equip your team with the knowledge to independently track and optimize energy consumption while implementing proactive maintenance practices.

Benefits:

- Early identification of performance issues, allowing for timely interventions that reduce costly repairs or equipment failures.
- Quantify cost savings through continuous monitoring to track energy savings achieved through retrofits and efficiency upgrades.
- Improve operational efficiency and reliability while minimizing unnecessary energy use.



Engineering & Project Management Services

Our commitment goes beyond auditing and monitoring. We provide full project lifecycle support from planning and design to implementation and performance validation. Whether you need technical expertise for an upgrade or complete project management services, we're here to ensure success.

What We Offer:

- Full engineering support for commercial buildings and industrial plants, including HVAC design, automation systems, equipment retrofits and upgrades.
- Capital planning and project management expertise, ensuring that projects are completed on time, within budget and aligned with your energy saving and operational goals.
- Vendor-neutral approach, allowing us to recommend the best-fit technology and equipment without bias.
- Align energy efficiency projects with future upgrade plans to reduce capital costs associated to retrofits.

Benefits:

- Smooth project execution from start to finish, with a focus on minimizing downtime and maximizing return on investment.
- Seamless integration of new systems with existing operations to avoid disruptions.
- Lower operational costs through smart, efficient design solutions that reduce energy consumption and improve facility performance.



Building & Equipment Energy Modeling & Simulations

For businesses involved in new construction or detailed energy efficiency audits, our advanced energy modeling services are essential. By simulating the performance of buildings, systems and equipment we can simulate future energy use and analyze the impact of various energy efficiency measures.

What We Offer:

- Detailed energy modeling and simulations for new construction, retrofits and large-scale energy efficiency projects.
- Comprehensive financial, technical and emissions analysis, providing clear insights into the cost-effectiveness of different energy-saving measures.
- An integrative system wide approach to ensure that modifications to one system do not negatively impact others.

Benefits:

- Optimize energy use across your entire facility, identifying the most impactful and cost-effective upgrades.
- Reduce greenhouse gas emissions and comply with regulations while boosting your sustainability profile.
- Gain confidence in the accuracy and effectiveness of energy-saving measures before committing to investments.



Innovative Solutions, Proven Results

Leverage ECCAN's Experience for Your Success

Our energy management services go beyond simply identifying inefficiencies, we provide the technical and financial roadmap that empowers your organization to take meaningful action. With the combined expertise of ECCAN and EnSmart Solutions, you benefit from:



Proven Results

Our track record of success in helping clients reduce energy costs by up to 30% is backed by data and measurable outcomes.



Innovative Technology

Our award-winning energy monitoring and tracking software enables you to stay ahead of energy challenges.



Sustainability Leadership

We help businesses align their energy goals with broader sustainability targets, reducing carbon footprints and enhancing corporate responsibility.

Get in Touch

Ready to take control of your energy costs and boost your facility's performance? Contact us today for a tailored energy management solution.

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