

# Eaton's Energy Solutions: Making buildings work. Better.®



Eaton is uniquely positioned to be your energy solutions partner. Our national footprint and holistic approach to meeting your energy and sustainability goals and objectives provides the right combination of capabilities and solutions.

We are partners in your energy future and can assist you through the life cycle of your buildings.

Energy engineering and consulting | High performance green building design | Facility optimization | Advanced project implementation

## Customized funding solutions

- Assist customers with self-funded performance based offerings, funding from capital reserves, third party financed projects, bonds, grants, ESPCs and UESCs

## Energy audits and assessments

- Perform DOE Certified Datacenter Energy Audit services to help reduce PUE
- Energy audits at all levels including Investment Grade Energy Audits for ESPCs and UESCs
- Building energy modeling

## Commissioning for new buildings (Cx)

- Provide building owners with assurance that facilities are established, tested and functionally verified to operate at optimum performance and help with LEED certification
- Reduce energy consumption 6-10% relative to similar non-commissioned buildings

## Retro-commissioning for existing buildings (RCx)

- Optimize the performance of building systems by improving their operation and maintenance
- Reduce energy consumption on average 5-20%

## Power quality, short circuit, coordination and arc flash studies

- Ensure the power distribution system is operating at optimum efficiency and is as safe as possible for the facility management team

## Water management and conservation

- Evaluate utilization trends, water performance goals, regulatory planning and permit impacts and design efficient pumping equipment and controls

## Mechanical, electrical and plumbing design

- Integrate cutting edge mechanical, electrical and building automation system technology into real world solutions and leverage energy modeling throughout to optimize the building design

## Operations and maintenance support

- Provide training to O&M staff and assist with maintenance program formulation and development of operation strategies to ensure that savings achieved during energy projects are maintained throughout the life cycle of the building

## Renewable system integration

- Design and incorporate renewable technologies to ensure sustainability, energy conservation and GHG objectives are met

## Energy management planning

- Develop energy and sustainability plans and objectives and assist through successful execution of initiatives

## Energy intelligence solutions

- Design and integrate energy optimization analytics and smart building technologies to include controls, software and hardware solutions, metering and custom energy dashboards

## LEED consulting

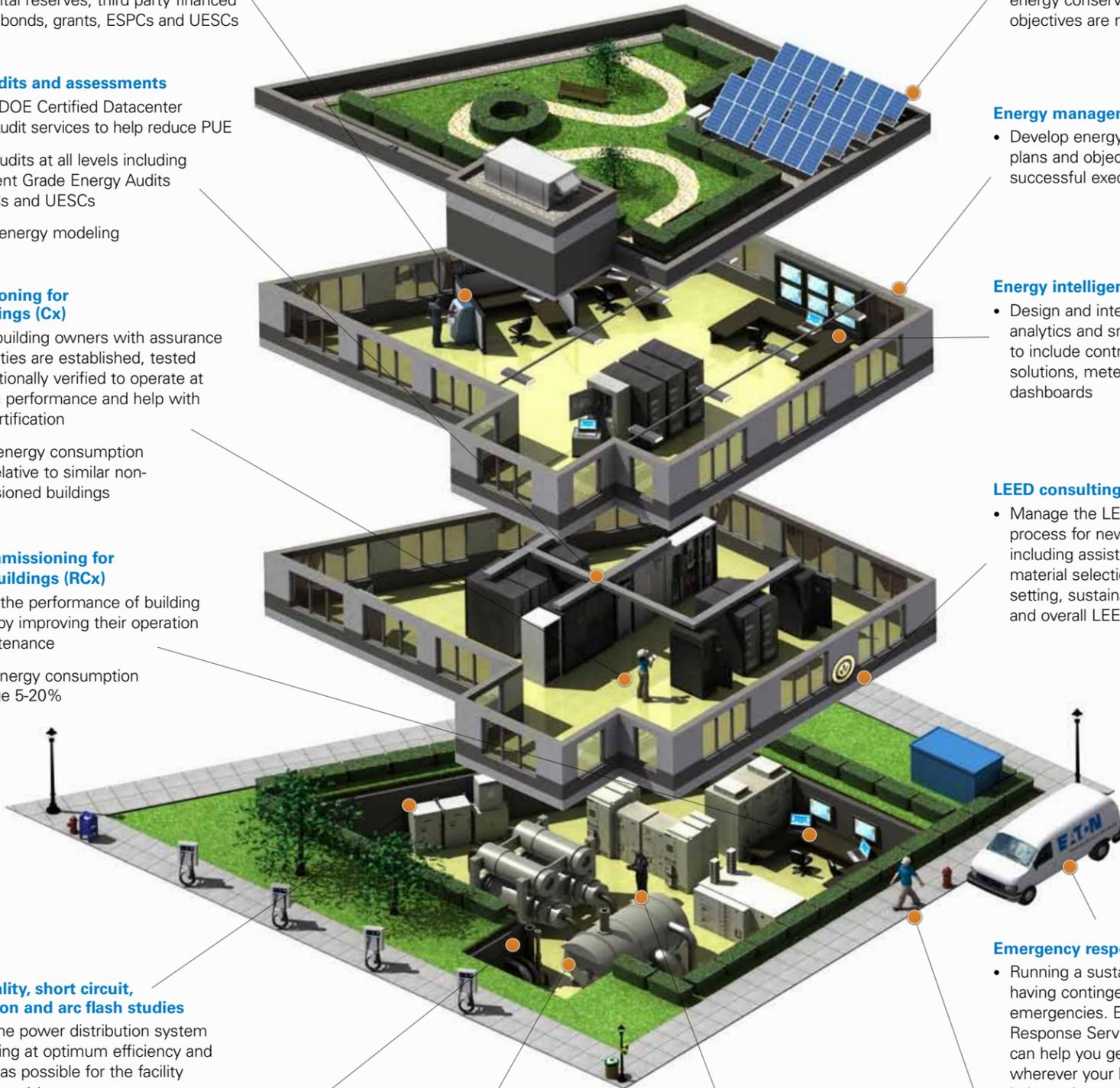
- Manage the LEED certification process for new and existing buildings including assistance with site and material selection, energy use goal setting, sustainable feature incorporation and overall LEED administration

## Emergency response services

- Running a sustainable facility means having contingency plans in case of emergencies. Eaton's Emergency Response Services and national footprint can help you get your systems back on wherever your building is resulting in lower impacts on your business

## Project implementation / design build

- Provide turnkey services that include RCx implementation, construction management, system integration and retrofits including building envelope, central plant, HVAC and lighting
- Provide ESPC services as a DOE qualified ESCO
- Provide customized funding solutions



## Eaton: A bigger impact on the marketplace, a smaller footprint on the world

### Eaton's Sustainability Initiatives

At Eaton, sustainability is not an autonomous program or initiative. It is how we do business—and it is an increasing part of our business success. We have been living it for years as "Doing Business Right," and it is central to our vision to become the most admired company in our markets.

Eaton is developing customer solutions that drive sustainable growth around the globe, including efficiently using and conserving global resources, developing energy-efficient products, providing energy services, reducing emissions, protecting the environment and volunteering time to help build stronger communities.

We are building a culture of responsibility and helping our company support a sustainable future.

Here are just a few examples of Eaton's commitment to sustainability:

- Eaton has at least one LEED Accredited Professional in every major North American city
- Because we believe financial performance and social responsibility go hand-in-hand, we have combined our annual and sustainability reports since 2006
- Eaton has joined the World Business Council for Sustainable Development (WBCSD), an invitation-only coalition of 200 leading global companies working to advance sustainable development
- Eaton was ranked as the #1 greenest company among general industrials and #16 among the 500 largest publicly traded companies in *Newsweek's* 2010 United States Green Rankings

### Eaton's Energy Solutions

- Eaton's Energy Solutions perform energy focused engineering, construction and consulting services for a wide range of market segments. Our work supports healthcare, government, municipalities, K-12 schools, higher education, utilities and private clients in commercial, industrial and institutional facilities. We have performed hundreds of projects in virtually every building type and environment.

Want to learn more? Please visit our website for further information, case studies, and more.

[www.eaton.com/energysolutions](http://www.eaton.com/energysolutions)

Customer benefits are:

- Reduced operating cost
- Reduced business risk
- Improved work environments and worker productivity
- Increased traction with environmental and corporate sustainability initiatives
- Compliance with energy legislation