

Continuous Energy Services Integration Process



MEC CONTINUOUS ENERGY SERVICES INTEGRATION (CESI) PROCESS



Millennium Energy Consultants, LLC (MEC) has developed a Continuous Energy Services Integration (CESI) Process, that was established purely with our customers energy management, sustainability, systems optimization and continuous real-time data availability requirements in mind. The CESI Process is designed to form an essential consultative, engineering, financing, energy efficiency upgrades installation services, and continuous real-time monitoring eco-structured services delivery loop around a customer's energy efficiency, sustainability, optimization, and real-time data availability requirements. The CESI Process is unique to other energy services processes, in that, "all energy savings achieved while a customer is inside the eco-structured CESI Process services delivery loop, goes directly to the customer". In addition, the CESI Process offers many benefits to customers, who take full advantage of the eco-structured services delivery loop, to meet and exceed their energy efficiency, sustainability, optimization, and data analytics availability requirements. Even further, the CESI Process is 100% backed by its own exclusive GREEN financing service that requires no up-front capital from the customer, is generally "cash flow positive from day #1", and all achieved energy savings goes directly to the customer while inside the CESI Process services delivery loop. The CESI Process GREEN financing service will even pay for your initial site ASHRAE level (I, II, or III) energy audit, existing building electrical, mechanical, or building envelope assets preliminary assessment report, or engineering and systems design development. The Millennium Energy Consultants (MEC) Continuous Energy Services Integration (CESI) Process, is designed to significantly reduce the administrative time and expense, budgeting, planning, and supervision associated with planning, financing, deploying and continuously monitoring energy conservation measures (ECM's), for any building, campus, or national chain organization.

The CESI Process Benefits

- Access to continuous upgrades and advanced energy efficiency technologies-No upfront cost required;
- Economies of scale from group equipment purchases;
- Scalability of deployed technology;
- 24x7 access to real-time energy, power and utility supply service data dashboard;
- 365 day/year access to energy efficiency, power quality, optimization, and Cybersecurity Subject Matter Experts and engineers;
- Continuous Monitoring services;
- Lower total cost of ownership (TCO);
- No upfront capital required;
- All energy savings go directly to customer;
- Cashflow positive from day #1;
- Reduced operations and maintenance cost
- Short simple payback

Getting Started

How It Works

Step-1 Arrange **Consultation** with key customer energy management and facilities stakeholders to define your needs and obtain preliminary site and organizational information.

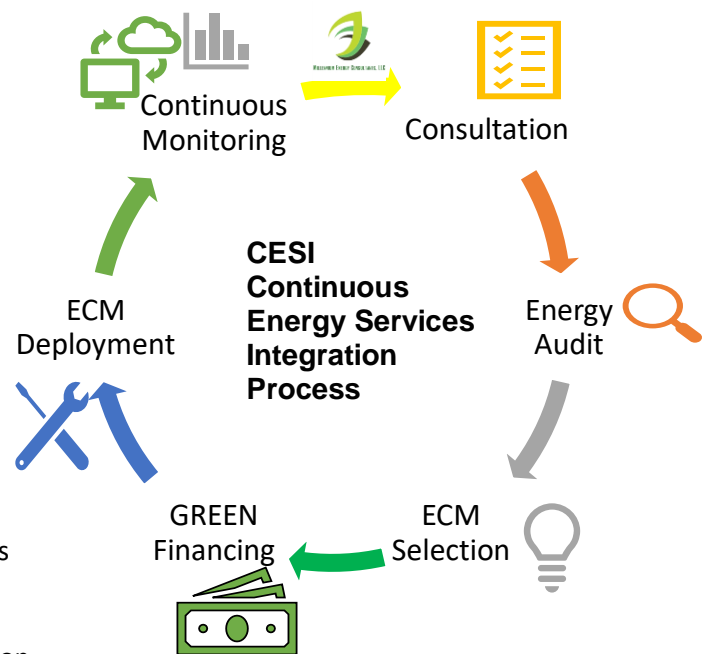
Step-2 Review the three levels of acceptable Industry **Energy Audit** methodologies, agree on one, enter into energy audit services agreement.

Step-3 Review energy audit final report and finalize **ECM(s) Selection** that best fits your energy efficiency, sustainability, and systems optimization needs.

Step-4 Introduce you to our Energy Efficiency **GREEN Financing** Services Representative, who works with customers accounting, finance and legal departments to prepare a financing solution where a single OpEx monthly payment covers your installation, repairs, monitoring, and ongoing service with no upfront cost to the you and is cash-flow positive from day #1.

Step-5 Install for example new: LED Lighting, Lighting Controls, HVAC, Building Automation Control System (BAS), HVAC-Optimization, VFD's, Boilers, Air Ducts Ionization, M&V metering, etc. as part of your required **ECM Deployment** phase.

Step-6 The **CESI Process** has **Continuous Monitoring** of all ECM deployments embedded as a critical uninterrupted 7x24 real-time virtual data analytics service, to ensure energy savings, operational savings, systems optimization tuning, Demand Response (DR) initiatives and lower-rate utility supply services are all sustained throughout the life-cycle of the installed energy conservation measure(s) (ECM) technologies at your facility.



Rapid Initial Start-Up and Systems Deployment

The **CESI Process** is designed to offer a rapid start-up (**Steps 1-2**) and systems deployment (**Steps 3-5**), so that you can gain access to and begin viewing your real-time energy, power, systems optimization, utilities data analytics dashboard and harvest the many benefits of the **CESI Process**. With no upfront capital requirement from you to initiate the full **CESI Process Steps (including your Energy Audit)**, a customer can immediately engage **MEC** to schedule your “NO COST” **Consultation** with our **CESI Process Team**, to define needs and gather facility existing information to setup your **Energy Audit**.

NOTE: Optional engineering assessments and technology implementation pilot projects can be used to define, deploy, and integrate additional non-traditional ECM opportunities and their data points into the **CESI Process** real-time data analytics dashboard, as customer desires.

Related Professional Consulting Services

Millennium Energy Consultants, LLC along with our alliances with industry leaders can service much of your energy management, sustainability, systems optimization and continuous real-time data availability requirements. With our **CESI Process Team** and alliance industry partners located throughout the United States, as well as, in Canada and the Caribbean, allows for expedited mobilization and lower costs to implement your desired ECM's.

Audit: ASHRAE Level Energy Audits and Engineering Assessments

Develop: Energy Conservation Measures (ECM) Project Development

Implement: Energy Conservation Measures (ECM) Project Implementation

Verify: Energy Savings Measurement and Verification (IPMVP-M&V)

Funding Unique GREEN Funding Mechanism-No Upfront Capital Outlay-All Savings Go to Customer

Utility Supply Contracting: Supplier of Competitive Electricity and Natural Gas Supply Contracting


Comply: Federal, State and Local Regulation Compliance

Certify: EPA ENERGYStar Portfolio Manager (PM) Reporting and Certification



Get Started Now

The CESI Process-Getting Started Questionnaire!



REDUCE YOUR
ENERGY SPEND
WITH THE CESI
PROCESS

Please complete the questionnaire below and email it to: info@millenniumenergyconsultants.com

Your submission will help us learn more about your organization, your existing utility sources, energy management and sustainability requirements, and to customize the **CESI Process** integration services solution to exceed your organization and facility performance requirements. Thank you and we look forward to receiving your completed questionnaire and getting you started!

Company Name:

Company Primary Address:

Main Point of Contact

Name:

Title:

Phone Number:

Email Address:

Company Main Phone Number:

Company Website:

Desired Start Date:

GREEN Financing Required?

YES

NO

Name of Existing Utility Sources Provider (electricity, natural gas, Co-Gen, renewables, etc.):

Desired Energy Efficient Upgrades (ECM's) for Your Facility (lighting, HVAC, boilers, BAS, windows etc.):

Please briefly explain below, your current facility operating conditions, deferred maintenance backlog task items, and your monthly/annual utility bills rate and cost: