



### Today's Challenge

Air conditioning and air handling systems typically account for 40% to 60% of buildings electricity costs and when it comes to retro-commissioning for central cooling equipment, incorporating dynamic variables into the equation in order to optimize your energy savings is significantly lacking.

### Overview

Revolution Energy Group has teamed up with Online Energy Manager (OEM), a company that has developed the Efficient Cooling & Refrigeration (ECORE) platform, a clean tech software program that saves between 15% to 40% of cooling energy costs.

ECORE delivers middle-ware technology that dynamically optimizes your existing central cooling system in order to maximize efficiencies across chiller settings, pumps, air handling units and cooling towers for optimal load balancing, resulting in significant energy cost savings.

### Optimized Retro-Commissioning

While "Retro-Commissioning" efforts can address energy efficiency improvements to an extent, these efforts are limited in the fact that they only address static variables of energy efficiency and not the optimization of dynamic variables that impact energy utilization across the entire cooling eco-system.

When it comes to Central Cooling Chillers, the Ecore platform is designed to evaluate the dynamic variables, such as the constantly changing ambient air temperature and relative humidity – which directly impact the Condenser Water Entry Temperature (CWET) – and as a result this platform optimally balances the chiller loads across multiple chillers yielding significant energy and cost savings.

### Learn More with a Preliminary Assessment

OEM is offering to conduct a no-obligation preliminary assessment of your commercial and/or industrial cooling systems. To get started with the assessment, we have a one-page evaluation form to completed, and in return we can provide you with a savings estimate within a week.



### Maximum Results & Minimal Requirements

The Ecore platform has been designed in order to maximize the results and **DOES NOT**:

- Impact the thermostat settings.
- Have any disruption of operations.
- Require any new HVAC equipment.
- Have any upfront capital costs.

### Benefits

- Cost Reduction 20 – 35%
- Low Payback – Under 3 Years
- Performance Guarantee

### Key Features

- Dynamic Chilling Optimization
- Non-Intrusive Implementation
- Remote Monitoring
- Flex BMS or HMI Interface Integration
- Automated Response System

With successful implementations around the world since 2011, Ecore is ideal for facilities that have a central cooling system with a chilled water loop, large cooling loads, cooling costs that account for 30% or more of total energy costs, and annual operating hours in excess of 4,000.