



**FOR OVER 40 YEARS WE
HAVE SAVED OUR CLIENTS
HUNDREDS OF MILLIONS OF
DOLLARS IN ENERGY COST,
IMPROVED THEIR PLANT
RELIABILITY, AND REDUCES
THEIR CARBON FOOTPRINTS**

SEE HOW WE DO IT



Vetted and Certified by Avetta & ISN for Safety, Compliance, Quality,
Compliance, Quality, Financial and Regulatory Standards.



WHO WE ARE

For over 40 years, IES Global has helped Manufacturing and Industrial Clients around the globe reduce electrical spend, improve overall electrical efficiency and power quality, and increase capacity, while significantly reducing greenhouse emissions. Our custom engineered and designed solutions have a proven track record in reducing our clients' electrical usage between 8% and 25% with paybacks typically ranging from 15 to 30 months. IES projects come with an energy savings guarantee (AM BEST RATED: A+ Insurance Carrier) and an excellent return on investment, resulting in a solid long-term financial value for our clients.

THE PROCESS

4 STEPS TO START SAVING WITH IES

STEP 01

- Collection of Data-12 months of bills & electrical drawings
- Conduct a facility interview
- Site Visit (if needed)
- Calculate savings range and payback

STEP 02

- IES Delivers the Pre-Engineering Proposal (PEP) for a site audit
1. Estimate Savings Range
 2. Project Cost Range
 3. Not-to-exceed Payback
 4. Potential Energy Conservation Measures (ECM's)

STEP 03

- Inventory electrical loads
- Measurements (if needed)
- Understand hours of operation and other plant issues
- Develop savings models with ECM's
- Prepare detailed report and installation proposal

STEP 04

- Perform confirmatory audit
- Choose contractors and order equipment
- Turnkey installation
- Before and after Measurements
- Ongoing energy savings analyses



SOME OF OUR VALUABLE CLIENTS

Our technologies have been installed for a broad range of customers in many industries and locations around the world. Some of our clients are shown below. Many have multiple installations; others may have a single location. Their facilities range from simple warehouse space to large industrial plants with electrical costs ranging from \$25,000 to \$4.5 million a month.



TECHNOLOGIES IMPLEMENTED

IES Global has access to 10-15 various Energy Conservation Measures (ECM's) that we may employ to reduce energy consumption, improve power quality and efficiency-all of which are best in class! During the audit phase, we work with your Team to develop the best strategy to achieve your goals.



Technology Description & Savings Detail

Technology	Location/Savings Range	Product Description
ELSPECT™ Dynamic, Real-Time Reactive Power Compensating Units"	Location: Electrical Switchgear Savings Range: 3% - 15%	ELSPECT™ unit maintains the MCC PF at a preset value at all times, thus removing reactive current from the distribution system. Harmonic currents are reduced below IEEE standards thus reducing skin effect, transformer eddy current losses, and distribution losses.
IESLiner™ Reactive Power Compensating Units	Location: Inductive Motors Savings Range: 3% - 15%	IESLiner™ units improve the PF at the load being treated, such as the Motor Control Center, hereby known as MCC, Panels, or Individual Loads, thus removing reactive current from the distribution system.
PowerLiner™ Passive Harmonics Correction	Location: Inductive Motors Savings Range: 3% - 15%	PowerLiner™ unit improves the PF at the load being treated (MCC, Panel, individual load), thus removing reactive current from the distribution system. Harmonic currents are reduced below IEEE standards thus reducing skin effect, transformer eddy current losses, and distribution losses.
MultiLiner™ Variable Power Correction	Location: Inductive Motors Savings Range: 3% - 15%	MultiLiner™ units improve the PF at the load being treated for loads of varying power demand. This removes reactive current from the distribution system. Automatically switches different levels of correction to match changing load conditions.
VFD Intelligent Motor Control	Location: Inductive Motors Savings Range: 5% - 40%	VFD's control the speed of a motor by increasing or decreasing the power supplied to it. Instead of a motor using the maximum power at all times, the VFD allows the motor to only use the amount of power needed to perform at its optimal load.
Evaporcool™ Energy Saving HVAC System"	Location: Inductive Motors Savings Range: 5% - 25%	Water evaporated into an HVAC unit's intake lowers air temperature, allowing the unit to run more efficiently. EZ Frame™ reduces unit cleaning and maintenance and filters out foreign air particles. SmartSpray™ control box optimizes water evaporation for optimal air intake temperature. Water for evaporation is cooled by placing it in contact with the condenser's cold suction line using the Temperwrap™ system, thus lowering demand and energy consumption.
Economizer Upgrades	Location: HVAC Savings Range: 20% - 30%	Economizers save energy by using cool outside air to cool indoor areas. This process reduces the amount of cool air generated by an HVAC compressor.
Energy Efficient Cool Roof	Location: Roof - Refrigeration/HVAC Savings Range: 5% - 15%	Installation of DOE-approved, silicone-based roofing will lower HVAC and refrigeration usage in warmer climates and provide a replacement roof that is more reliable than standard roofing. Includes a 20-year warranty.
ERV - Energy Recovery Ventilator	Location: Refrigeration/HVAC Savings Range: 10% - 20%	Outgoing exhaust air is used to improve the thermal transfer of incoming outside air, thus dramatically reducing the energy used by the facility's HVAC systems.
OAM Purger™ Refrigerant Filtration Solution	Location: Refrigeration	Oil, acid, and moisture are removed from a chiller's refrigerant charge. The removed oil is then returned to the oil sump. Prevents unit maintenance and reclamation while increasing longevity and efficiency.
LED Upgrades	Location: Lighting Savings Range: 40% - 80%	LED fixtures can replace existing HID's throughout facility including exterior wallpack fixtures.
Lighting Controls	Location: Lighting Savings Range: 10% - 50%	Occupancy sensors will be used to control new fixtures in areas with minimal activity.
Compressed Air, Leak Detection & Tagging	Savings Range: 10% - 50%	A study of a building using utility bills and facility personnel interviews, as well as tests on building systems to find and repair operational problems. Complex problems are identified and

RESULTS



- Excellent and Guaranteed ROI
- Significant energy cost reductions averaging 8% - 25% or more
- Improved power quality and equipment reliability
- Mostly passive technologies that require little employee involvement
- Cash-Flow-Positive Financing Options
- Ongoing Savings Analyses after installation

IES has saved hundreds of millions of dollars in all types of industrial verticals – Chemical, Injection Molding, Automotive, Packaging, Wood, Steel, Medical/Pharma, Food & Beverage, and many others. Our management team is hands-on and has well over 100 years of successful experience.



JONES PLASTICS & ENGINEERING
KY(2), TN, MEXICO
Projected Savings: 8.9%
Actual Savings: 10.3%
Project ROI: 34 Months
Actual ROI: 31 Months



KRAFT FOODS - IL, VA, CA, MO,
FL, MA
Projected Savings: 8.9%
Actual Savings: 10.3%
Project ROI: 34 Months
Actual ROI: 31 Months



PREMIER PACKAGING - KY, IN
Projected Savings: 12.8%
Actual Savings: 17.9%
Project ROI: 34.6 Months
Actual ROI: 21.3 Months



NICHIRIN - TN
Projected Savings: 19.4%
Actual Savings: 23.6%
Project ROI: 32.3 Months
Actual ROI: 26.5 Months



MONUMENT CHEMICAL
KY, TX (3)
Projected Savings: 11.3%
Actual Savings: 17.8%
Project ROI: 33.8 Months
Actual ROI: 15.1 Months



GENERAL ELECTRIC - IN, NY AL,
GA, MS
Projected Savings: 10.1%
Actual Savings: 21.3%
Project ROI: 27.2 Months
Actual ROI: 11.8 Months



ASPHALT MATERIALS, INC. - IN (2)
Projected Savings: 9.2%
Actual Savings: 12.9%
Project ROI: 34.9 Months
Actual ROI: 24.8 Months



CR BARD - GA, NJ, PUERTO RICO,
MEXICO, THAILAND
Projected Savings: 19.9%
Actual Savings: 26.2%
Project ROI: 35.3 Months
Actual ROI: 27.4 Months

FINANCING

IES has partnered with several third-party finance companies to meet your financial situation.

- Rental & Subscription Agreements (off balance sheet)
- Capital & Operating Leases
- Shared Savings
- Outright Purchase



Get in touch now

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