



**UTILITIES
DYNAMICS**
TOTAL ENERGY SOLUTIONS



UTILITIES

ARE RISING ENERGY COSTS AFFECTING YOUR BOTTOM LINE?

Businesses are continually feeling the pressure of energy costs on their profitability. Insulate your business from this cost volatility by partnering with Utilities Dynamics, Inc. **Take control now before your energy costs take control of you.** Many of our clients have reduced their annual energy expenses by 25% to 50%. These savings are measurable and sustainable; they WILL positively impact your organization's bottom line!

DYNAMICS



UTILITIES DYNAMICS

Total Energy Solutions

Utilities Dynamics, Inc., was established in 1995 as a specialty engineering and management firm with the expertise in development, design, analysis, and installation of energy management solutions. **The Utilities Dynamics executive management team has a combined 100+ years of experience within the energy and project management industry.** Utilities Dynamics develops a customized strategy that meets your needs without sacrificing quality or productivity while maximizing savings – straight to your bottom line!

Our turnkey solution begins with a complete assessment of your energy requirements coupled with your current financial objectives. Our Total Energy Solutions strategy utilizes our intellectual capital combined with our experience in strategically managing energy portfolios. We are always focused to help you achieve ALL of your energy-related needs.

The UDI Total Energy Solutions include:



Lighting



HVAC



Energy Management Control Systems



Integrated Solar Systems



Water Conservation Solutions



Program Management

Recognized Experience:

Utilities Dynamics has helped customers achieve significant financial savings since 1995. Our customer base is **broad ranging** from specialty retail, educational (K-12 and higher) commercial, and industrial clients.

Our client list includes:

- Limited Brands, Inc.
- Dollar General Stores
- SuperValu Grocery
- Commonwealth of Kentucky
- Fifth Third Bank
- Washington Mutual Bank
- EMCOR
- Grubb & Ellis
- CB Richard Ellis
- Energy Systems Group
- Siemens Building Technology
- National Church Residences (NCR)s
- Johnson Controls / JCI
- Apartment Investment and Management Company (AIMCO)



UTILITIES DYNAMICS STRATEGIC ALLIANCES

Impact Industrial Services

Impact Industrial Services ("IIS") specializes in operational cost reduction programs in the industrial environment.



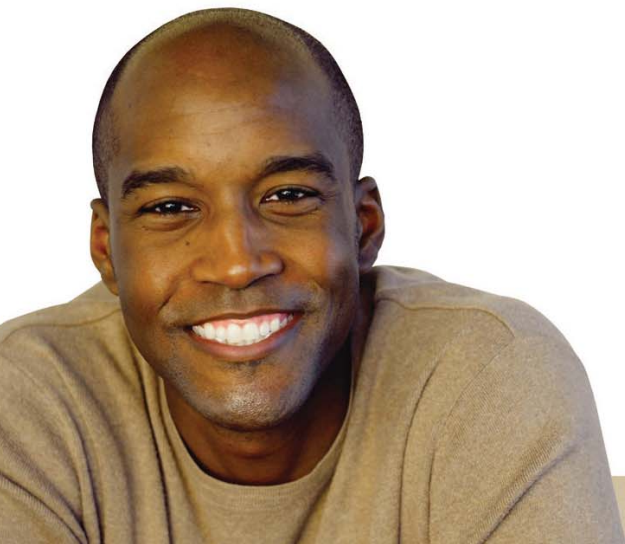
Merit Electric

Electrical Construction. Merit Electric, LLC can provide and coordinate every service and resource required for virtually any type of commercial, institutional and industrial electrical construction project nationwide. Merit's single-source concept begins with a seasoned work force of professional, technical, and support people, backed up with the most advanced project management systems, facilities, and equipment in the business.



Energy Impact

A full service energy solutions consultant that provide large portfolio utilities management services.





LIGHTING

Lighting

Utilities Dynamics, Inc. (UDI) is one of the USA's leading lighting management companies, having completed projects at over 10,000 properties. Our professional team provides lighting management services to a wide variety of clients: retail, banking, multifamily, hotels, financial, computer technology, grocery, government, K-12 schools, higher education, industrial, and many more.

Since 1995, UDI has delivered consistent high quality services and project delivery. We continuously set the highest levels of service and quality, setting the standard for the balance of the industry to try to follow.

Lighting retrofits are a simple, reliable way to improve cash flow in your business. UDI stays apprised of new technologies and innovations and how they have proven in the field. This way you are always provided the leading edge proven technologies.

UDI provides the full spectrum of lighting services, including:

- Survey, Design, and Installation of Lighting Renovations
- Group relamping and Lighting Fixture Cleaning
- Planned Lighting Management Agreements
- Outdoor Lighting Design, Installation, and Maintenance
- Electrical Rollout Projects
- Lighting retrofits, with flexible payment options
- Management tracking reports
- Rebate research and filing support
- HazMat disposal management

As your lighting services partner, coupled with the myriad of other energy management services and alliance partnerships, you will be assured the solutions we provide will be the best for your bottom line.

Lighting retrofits are one of the most common and effective energy conservation measures available. In addition, these newer lights and ballasts provide a better quality of light, are quieter and last longer. Apart from the benefit of energy savings, your facilities will have improved lighting quality, reduced maintenance and operation costs, and help the environment with lower green house emissions. Better lighting equates into enhanced worker productivity, fewer production defects, employee comfort and increased sales.

UDI is the right choice as your lighting services partner. Our proven strengths, experience, and untiring quality services is the underpinning why. Here are just a few other reasons: financially stable, insured, highly trained and qualified team members, repeated success across thousands of sites, national capabilities, superior program / project management, impeccable safety record, continuous quality improvement, glowing client references, high quality but cost effective, investment grade audits with business case development, and the visibility to all the other integrated energy services incorporating HVAC, energy management control systems, integrated solar systems, water conservations solutions and program management.

UDI is uniquely positioned to provide you with a single energy services partner. UDI was The Limited Brands lighting renovation partner conducting specialty retail lighting retrofits including presentation, highlighting and layered lighting effects, all coupled with energy savings. The project improved store merchandise look and feel and case studies indicated increased overall sales. In addition to the specialty retail improvements, the energy reductions achieved were in excess of \$3.5 MM.



Energy Management Control Systems

Utilities Dynamics, Inc. ("UDI") delivers a wide range of energy services including energy management control systems ("EMCS"); large and small. UDI is a "one-stop shop" for total controls service solutions. We will design, install and commission your EMCS for proper and efficient operation of building systems.

Energy Management Control Systems

Each system is tailor designed based on your operating requirements, efficiency needs, and budget. No matter how complex or simple your requirements, UDI will bundle the most cost effective solution to ensure your returns. Our highly experienced team of professionals will design a powerful EMCS that will provide you a suite of tools tied to state-of-the-art communications technology to monitor and manage your buildings' systems. The EMCS can monitor and control a myriad of control points:

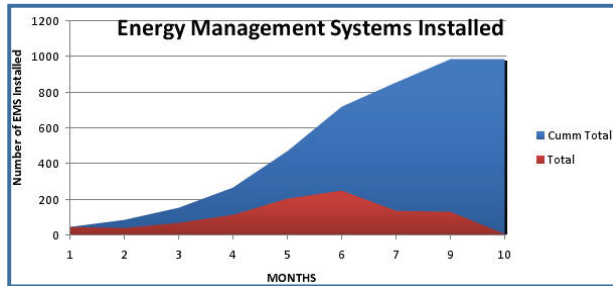
- Temperature
- Electric, gas and water consumption
- Combustion efficiency
- Fuel level
- Steam pressure
- Flow rates
- Space temperature
- Outside temperature
- Humidity
- and many more

Remote Monitoring

UDI can install remote monitoring and control services to help you ensure the comfort of the people who occupy your buildings, while maintaining maximum energy efficiency. Remote monitoring capabilities increase your efficiency by conducting remote troubleshooting, reducing downtime, labor savings, and extended equipment life.

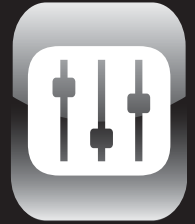
Sample EMCS Delivery

UDI is fully capable of delivery large complicated projects. For Dollar General we installed a comprehensive EMCS in almost 1000 Dollar General Stores in a 9 month period. The EMCS included full control of all lighting circuits (indoor, outdoor and signage), HVAC systems, temperature in refrigerated cases for perishable goods, occupancy status, outdoor air temperature, open/close status of stock room door, indoor air temperature and supply air temperature, and various other monitored inputs. The adjacent chart shows the rate of completion of Dollar General Stores through the 9 month project.



Take control of your energy costs!

In this age of high energy cost and volatility, it is more important than ever to establish cost effective EMCS to minimize energy use. Don't leave the control of energy consuming devices in just anyone's hands – put them under control of an EMCS.





Program Management

Utilities Dynamics, Inc., (UDI) is a high quality, results-driven solutions provider; our program management is no different. We seek long-term value and profitability for you and our relationship. We are committed to the best job.

Proven History of Success

UDI has delivered some of the largest lighting programs in the USA combined with a full suite of energy services into a single program. First and foremost, we serve as the single point of responsibility, aligning the efforts of many team members including designers, contractors, and third parties to program goals and performance standards. We quickly integrate with your teams to move fast, stay focused, and deliver high quality results. Some of the benefits that result from UDI's approach are enhanced control, reduced costs, improved schedule performance, and improved quality. More than simply implementing plans and specifications, the program management for complex, multi-site projects includes integrating the work of the UDI Team with subcontractors, across many work activities, and many different program management areas.

Results Driven

UDI can manage the full range of energy service activities in a single program necessary to keep your complex multidisciplinary energy world—often worth millions of dollars—firmly on track. Think about what is considered and integrated in a large program; there are many disparate areas that need to be managed to be successful. What separates UDI from other providers is our intense focus on bringing about real change impacting your bottom line. One of the ways we do this is by establishing effective program management practices throughout the team and integrating the practices into the full range of management activities. UDI's strong program management practices, properly integrated and communicated, deliver successful projects, help you reduce costs by centralizing appropriate project management activities, minimize financial risks, streamline the decision-making, and reduce escalations.

Integrated Solution Provider

UDI's program management capabilities aggregate our experience, resources and expertise in planning, engineering, and execution management. We can take an entire program from first concept through the business case development processes; design, procurement and execution; and start-up and operations. We have experienced personnel from within each core service that have successfully managed and completed numerous programs.

Customer Integrated Services

The integrates energy services being provided to Fifth Third Bank is a prime example of the program management abilities of the UDI strategic alliance team. The bundled services being provided include bill administration - data base management, demand side management projects (e.g., lighting, controls, water, and mechanical conservation projects), supply side and procurement management, training and standards, quality and reliability process, and communications. These services are being delivered with a primary point of contact and accountability.

Integrated Solar Systems

Renewable Energy Solutions

To support Utilities Dynamics, Inc.'s (UDI) energy services solutions it has formed a strategic alliance with Garland Energy Systems, a leader in renewable solutions. As a wholly owned subsidiary of Garland Industries, Inc., they offer financial stability that is based on over 100 years of commitment to helping commercial, industrial, and public customers successfully manage the total building envelope. Garland has prevailed by anticipating the ever-changing needs of a demanding market, and delivering innovative solutions with the highest level of reliability and professionalism. worldwide. This strategic alliance can provide added solar solutions to the demand-side management whether for:

- photovoltaic,
- solar thermal energy conversion,
- bio-energy,
- wind power, or
- hybrid systems.

As your energy solutions partner, UDI and leverage the Garland Energy Systems extensive engineering know-how and vast experience through the construction of these systems. This makes it possible for UDI to optimally adapt the energy technology to the respective local conditions and be able to offer you the optimal energy solution for your needs.

Economic Benefits

UDI offers complete solar solutions, helping customers evaluate their requirements, design, estimate cost savings, obtain financing, and maintain the systems. Installation of an integrated solar system will reduce operating costs, enhance asset value, improve employee satisfaction, and optimize life-cycle economic performance of your facilities.

Ecological / Environmental Benefits

Solar power as a renewable-alternative power source to coal, gas or other natural resource consuming generation assists in enhancing and protecting ecosystems and biodiversity, improve air and water quality, reduce solid waste, and conserve natural resources. Solar is a dependable renewable power source that helps reduce your ecological / carbon footprint.

A typical person produces 4.1 tons of CO2 per year. By using Solar water heating alone you can reduce this by 0.75 tons of CO2 emissions annually.



INTEGRATED SOLAR SYSTEMS



Locations and Contacts

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