



# company profile

PowerSines is a leading global provider of energy-efficiency solutions. Leveraging decades of power electronics R&D, voltage control expertise and environmental awareness, we deliver advanced, effective solutions for a range of lighting, and electric motor applications. Built around proven core technology, our market-leading solutions not only enable our clients to improve their energy efficiency and cut operational costs, but also contribute towards a greener environment.

Serving a wide range of applications in diverse vertical markets, PowerSines solutions deliver powerful business benefits emphasized by direct electricity savings of up to 35% and reduced total cost of ownership of up to 50%. At the same time, our products curb electricity peak demand, decrease network losses and substantially reduce CO2 emissions, thereby not only offering reduced financial costs but also benefiting the environment. With a proven ROI (Return on Investment) of typically two years or less, PowerSines solutions are cost effective, compact and easy to deploy, operate and maintain.

PowerSines has developed an advanced technological platform which serves as the foundation of our entire offering. Based on proprietary sinusoidal voltage control technique, our groundbreaking technology optimizes voltage supply to discharged lighting systems and induction electric motors without generating distortions and electromagnetic interferences. As a result only the minimum amount of energy required to maximize efficiency is delivered to each controlled device, eliminating electricity wastage and saving energy.

Distributed via a global network of representatives and integrators, PowerSines systems are used by a prestigious and growing international enterprise client base including IBM, Microsoft, Motorola, McDonald's, FedEx, Tesco, Carrefour, and Coca Cola. Our state-of-the-art solutions also help over 100 municipalities throughout the world cut down electricity costs and maintain a greener environment.

PowerSines offers a wide portfolio of professional services that help integrators and energy service companies (ESCOs) implement our advanced solutions. PowerSines comprehensive services include professional training and education, consultancy, energy auditing, technical support, and on-site installation and maintenance support.

improve electric motors  
**efficiency**  
by 50%

**save** up to  
35% of electricity  
in lighting



Our flagship solution, the Lighting Energy Controller (LEC), offers a complete line of products that significantly reduce electricity costs of lighting. LEC systems are compact and available in a wide range of sizes, making them suitable for small-, medium- and large-scale deployments. With thousands of worldwide installations covering an array of indoor and outdoor applications, LEC systems improve lighting efficiency at office buildings, logistics centers, fast food and retail chains, gas stations, parking lots, airports, as well as street and road lighting installations throughout the world.

PowerSines commitment to developing cutting-edge solutions is further highlighted by the recent launch of the Sinusoidal Motor Energy Controller (SinuMEC) product line. Suitable for a variety of commercial and industrial applications including, escalators, conveyors, mixers, grinders, and pumps, the SinuMEC improves electric motor performance by 20% to 50%. Combining energy savings and power-factor correction functionality with the ability to gradually start an electric motor. The unique, all-in-one SinuMEC extends motor life expectancy, and cuts direct electricity costs by 10% to 15%, making it a viable solution for enterprises looking to enhance their operational efficiency without compromising performance.

## PowerSines & The Environment

Throughout the world there have been growing concerns for creating energy efficiency and the need for maintaining a green environment. An ongoing, increasing, demand for electricity which stretches production capacity to its limits; global warming; increased energy prices and dwindling natural resources have all created an urgent need for long-term planning and sustainable use of energy. As a result, manufacturers have begun offering greener, more environmentally-friendly products which address consumers' newfound environmental awareness and demands, while numerous corporations now invest in capital equipment which has a lower energy footprint. Moreover, many governments and utility companies now provide financial incentives, funds and rebates for implementing energy efficiency solutions as well as for reducing CO2 emission.

PowerSines advanced solutions have been developed to not only offer financial savings, but more importantly, to also contribute to more efficient use of energy and a cleaner, greener environment. By managing and reducing electricity needed for lighting and industrial motor applications, PowerSines solutions play an important role in managing sustainable use of electricity and reduced CO2 emissions. Enterprises looking to implement a green environmental policy can greatly benefit by incorporating PowerSines solutions into their operations, all with ease of deployment, low TCO and fast ROI. With a proven record of over 18,000 units installed in a variety of applications, PowerSines systems generate an aggregated saving of over 1,000,000 MWH annually therefore decreasing CO2 emissions by more than an annual 400,000,000 ton. At the same time, PowerSines products curb electricity peak demand, decrease network losses and cut electricity costs, enabling sustainable use of energy and offering financial savings alongside the long-term benefits of preserving our environment.

enjoy  
**rapid ROI**  
and zero maintenance

reduce  
CO<sub>2</sub> emissions



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