

Company Overview



THE TECHNOWISE GROUP™ is a world leader in the design, development and marketing of state-of-the-art energy conservation solutions using proprietary patented technologies. THE TECHNOWISE GROUP™, headquartered in Boca Raton, FL, USA, has invested significant funding and more than six years of research, development and testing in its products and technologies.

Led by its visionary management team and coupled with world class engineering talents, THE TECHNOWISE GROUP™, has transformed recent advances in semi-conductor integrated circuits into innovative energy saving solutions alleviating the never ending need to conserve energy and protect the environment.

As global populations continue to increase, the consequential energy demand grows at an unprecedented rate. Driven by the realization that the worldwide demand for energy is surpassing the world's generation and distribution capacity, THE TECHNOWISE GROUP™ has developed two primary product lines: ECOWISE® and MOTORWISE®.

Worldwide Energy Challenges

- ▼ Electrical demand is surpassing global generation capacities
- ▼ Availability of fossil fuels is decreasing as the energy demand continues to increase
- ▼ Voltage fluctuations can result in an excess of a 20% variation on electric utility bills
- ▼ Over voltage conditions shorten the life expectancy of electrical devices
- ▼ Brownout and blackout conditions are common in many parts of the world
- ▼ Carbon emissions are causing irreversible damage to the planet



Product Lines



ECOWISE® is the ultimate Smart Grid solution. ECOWISE® units optimize voltages used by residential and commercial consumers, thereby reducing the amount of wasted energy consumed by appliances, lights and other electrical devices. The end result is the availability of more energy for additional residential and commercial applications without the requirement for additional electric power infrastructures. A variety of models are available to best suit specific needs.



MOTORWISE® is an AC motor controller used to manage and optimize the power delivered to electric motors. MOTORWISE® units identify partial and intermittent loading conditions and reduce the motor's voltage to an optimal level. This eliminates waste in the form of heat, noise, and vibration while maintaining proper operation. A variety of models are available to best suit specific needs.

Benefits

- Manages the energy in homes and businesses to optimal levels
- Reduces energy consumption at the point of use
- Reduces homeowner maintenance and replacement costs for appliances and lights
- Mitigates brownout and blackout conditions
- Reduces technical losses on distribution network
- Reduces the loading on electrical distribution systems
- Improves the quality of electrical service to consumers
- Eligible for CERs (Certified Emission Reduction) Carbon Credits and other World Bank subsidies

Features

- Energy Savings
- Compact Design
- Patented Technology
- Indoor/Outdoor use
- Short Circuit Protection
- Over Temperature Protection
- Over Current Protection
- A True Smart Grid Device

Additional Features

- Load Manager
- Voltage Scheduler
- Under voltage boost capability for the entire home

Benefits

- Improves motor efficiency
- Reduces energy consumption
- Improves motor power factor
- Reduces demand charges
- Reduces system wear and tear
- Reduces operating and maintenance costs
- Eligible for CERs (Certified Emission Reduction) Carbon Credits and other World Bank subsidies

Features

- Energy Savings
- Wall or Pole Mounted Design
- Patented Technology
- Indoor/Outdoor Use
- Provides Soft-Start Capability

Applications

- Oil Wells
- Industrial Motors
- Mining Operations
- Crushers
- Saws and Cutting Tools
- Injection Molding
- Material Handling Conveyors
- Belt and Gear Driven Machinery
- Elevators and Moving Walkways

Developing GREEN technologies for a better planet™
WORLDWIDE PATENTED TECHNOLOGY

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