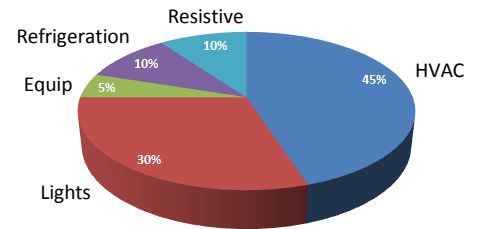


Magnitude’s Intelligent Power Optimization System™ (iPOS™) reduces operating costs by reducing energy use when equipment is on and providing essential information to identify waste, develop an energy policy and measure efficiency. Optimized system performance means greater guest comfort and lower operating costs.

The savings we deliver are immediate, measurable and guaranteed by a performance bond even in facilities with state-of-the-art building or energy management systems (EMS/BMS). Our technology is delivering guaranteed savings for leading hospitality operators such as Hilton, Marriott, Holiday Inn and many more.

Typical electricity use by load



Intelligent Power Optimization™—iPOS™

Magnitude’s systems approach is the custom integration of hardware that optimizes power distribution and system performance with web-based software that provides real-time intelligence on utility usage facility or portfolio wide.

Key benefits:

- **Reduce overall electricity use by 10—20%**
- **Saves money when equipment is ON –not by shutting it off**
- **Cost savings guaranteed by performance bond**
- **Measure and verify energy use including carbon-tracking**

Power Optimization

Power Optimization is a combination of hardware technologies embedded in your facility that measurably reduce energy use by improving power quality and system performance. Even in facilities with an energy management system or recent lighting retrofit, we deliver guaranteed savings of 10—20% by focusing on light, HVAC, refrigeration and equipment loads. Some of the technologies we integrate:

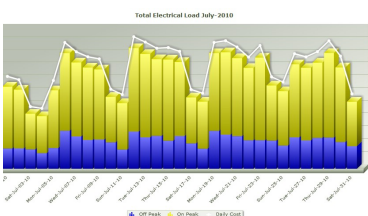
- Distributed synchronized capacitance
- Harmonic distortion mitigation
- Molecular-level temperature modulation
- Voltage regulation
- AC sine-wave modification
- LED-based intelligent lighting systems
- Ultra high efficiency ECM fans
- Metal-bonding boundary lubricant
- Intelligent cycling controllers
- Liquid pressure amplification

Magnitude Information System™—MIS

If it isn't measured, it can't be managed

The Magnitude Information System™ is a simple yet powerful web-based management tool that gathers and analyzes all utility data (electric, water, gas, steam) and transforms that data into actionable intelligence, customized for the audience. The MIS saves money under multiple layers, the most obvious being system optimization (settings, scheduling & run-time) and behavioral change: giving management with a portfolio view of relative efficiency and the ability to establish and monitor an energy policy.

Demand Management



Carbon Tracking



Customized Dashboards



Public Education



Success Story:



Assisted Living

- Annual energy spend: \$687,600
- Savings by load:
 - HVAC 20%
 - Lighting: 12%
 - Refrigeration 30%
 - Equipment 10%

Total Savings: \$102,590/yr
Lifetime Savings: \$2.05 million
Payback: 23 months

