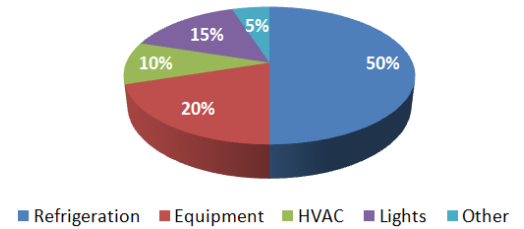


Food manufacturing is energy intensive, with refrigeration accounting for one half to two thirds of all electricity use.

Magniture System's Intelligent Power Optimization™ system dramatically reduces energy use while providing essential information so management can identify waste, implement an energy policy and measure effectiveness.

The impact we have on refrigeration loads is particularly dramatic. Our technologies are used by industry leaders such as **Kraft, Campbell's and Sysco Foods**.

Typical electricity use by load



## Intelligent Power Optimization™—iPOS™

Magniture's whole-systems approach is the custom integration of hardware to optimize power distribution and system performance with web-based software that provides utility usage intelligence.

### Key benefits:

- Reduce electricity use by 20—30% or more
- Save money when equipment is on—not by shutting it off
- Real-time *Energy Intelligence* to optimize decisions
- **Cost savings guaranteed by performance bond**

## Power Optimization

Power Optimization is the custom integration of hardware embedded in your facility to optimizes equipment performance, improve power quality and thereby reducing resistance and distribution line loss. Refrigeration optimization technologies include:

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

## Magniture Information System™—MIS

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

The MIS is a simple yet powerful web-based management tool that supports operational and strategic decisions. Utility data, which is gathered by a network of wireless sensors and sub-meter, is analyzed in real-time and transformed into actionable intelligence, which can be customized to meet the need of the audience: operations, executive or the public. Energy information, properly conveyed, will change organizational behavior to meet your strategic goals.

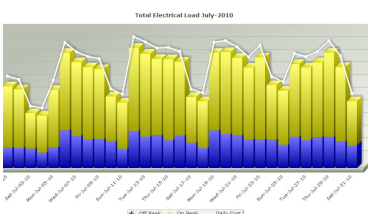
## Success Story: Global Food Processor



- Annual energy spend: \$1,200,000
- Primary use: refrigeration (60%)
- Savings by load:
  - Refrigeration: 30%
  - Lighting: 40%
  - HVAC: 20%
  - Equipment: 8%

**Total Savings: \$291,600/yr**  
**Lifetime Savings: \$5.8 million**  
**Payback: 21.8 months**

### Demand Management



### Carbon Tracking



### Customized Dashboards



### Public Education



