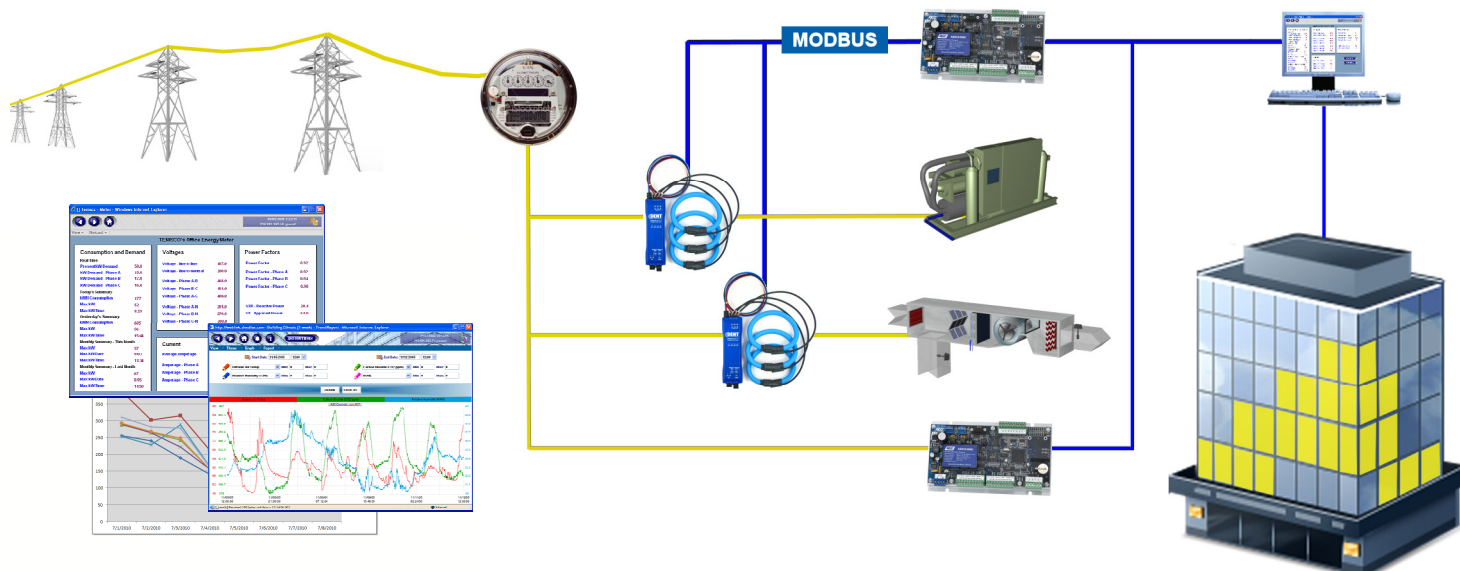


# Energy Management Solutions



## Building Automation and Energy Cost Savings

We provide tools to implement scheduled control of building environments. Our systems can automatically control facility energy costs using capabilities that include demand limiting, load shedding, optimum start, and Modbus for control of VFDs and other energy efficient devices.

ASI products are backwards compatible to help ensure full return on control system investments. This also offers cost-effective retrofit opportunities for new energy smart controllers to supervise legacy BAS networks, increasing the functionality and payback from existing systems.

ASI Controls Energy Management Systems can provide facilities with automated climate comfort, browser based monitoring and control, and verifiable, persistent energy cost savings.

- ✓ **Modbus RTU Master interfaces** for integration of power meters, VFDs, and other devices
- ✓ Energy smart controllers with **Demand Limiting, Load Shedding** and **Optimum Start** logic
- ✓ **Unified web front end** incorporates CCTV, access control, other intelligent building interfaces
- ✓ Niagara AX to integrate devices and networks with **BACnet, LON, or Modbus** interfaces
- ✓ **Extensive backwards compatibility** helps deliver full value from control system investments
- ✓ Web access to record, graph, and report **energy demand, consumption, and power quality**

# ASI Controls

Reliability ▪ Performance ▪ Value

NiagaraAX Framework is a trademark of Tridium Corporation  
BACnet is a registered trademark of ASHRAE  
LON is a registered trademark of Echelon Corporation  
OPC is a registered trademark of the OPC Foundation  
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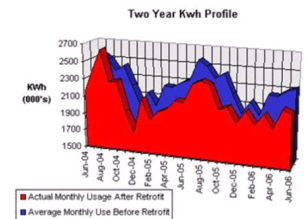


# Take Control of Energy Costs

ASI WebLink front ends offer unparalleled EMS functionality with features including automated **alarm and event notifications** for timely reaction to events, historical data archiving in an open **ODBC compliant database**, a browser-based graphing and reporting interface supporting easy **CSV data export** to extract data into other reporting systems for further analysis, and automated **email delivery of reports** to verify ongoing savings. ASI solutions incorporating demand limiting, load shedding and optimum start, scheduling, Modbus integration to meters and drives, and web monitoring with email report subscriptions can provide persistent control of facility energy costs.

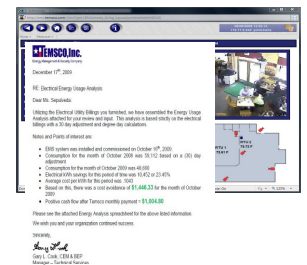
## EMS Saves Hotel \$127,000

A major international hotel chain retrofitted an ASI EMS at their Anaheim location to control air distribution systems, cooling towers, and a 3,150 Ton Chiller Plant. The ability to deliver energy savings while maintaining guest comfort led the company to do ASI EMS retrofits at other prominent sites.



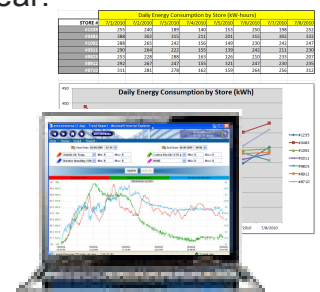
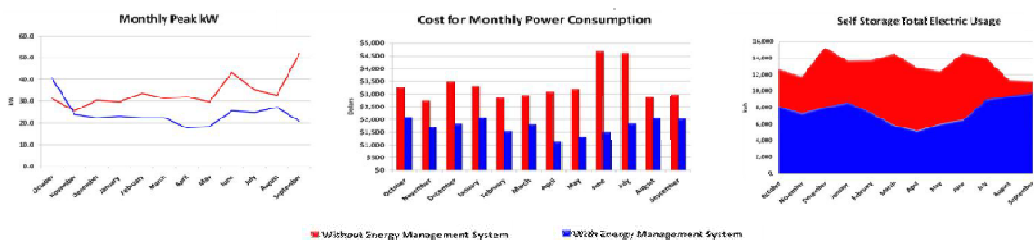
## Automated Cost Control for Small Outlets

ASI networking and energy management features can provide energy cost savings and remote monitoring and control for networks of small stores. Systems integrator TEMSCO leverages two decades of experience with EMS to deliver solutions providing net positive monthly cash flow for fast food and other networked retail outlets with challenging ROI requirements.



## Improved Operating Margins at Storage Facilities

Envirotrols Group used the Demand Limiting and Load Shedding capabilities in ASI systems to lower operating costs and reduce the carbon footprint at over 60 climate controlled Safeguard Self Storage facilities. Energy costs were reduced by over 25% in the first year. Automated reporting helps verify savings and ensure consistent returns.



# ASI Controls

Reliability ▪ Performance ▪ Value

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