Isaiah 40:31 - Those who hope in the Lord will renew their strength. They will soar on wings like eagles; they will run and not grow weary, they will walk and not be faint

Native American, Woman-Owned, SDB, 8(a)



Focused on the Success of our Customers, Employees and Community.

Aetos Systems, Inc. 1525 Perimeter Pkwy, Ste 115 Huntsville, AL 35806 Phone: 256-527-7821



Corporate Summary

- Established in 2007
- Certified Native American, Woman-Owned, 8(a), SDB
- Corporate Office in Huntsville, Alabama
- Corporate Size:
 - 25 Employees
 - 2012 Revenue \$9.8 Million
- Core Services:
 - Building Automation/Utility Control systems
 - IT & Engineering Services
 - Education,
 - Logistics/Acquisition Support
 - Professional and Program Management Support

2009 WBCNA Small
Business Startup of the Year





2011 - NASA Marshall Space Flight Center – Small Business Prime Contractor of the Year



Aetos Customer/Contract Summary

 NASA – Marshall Space Flight Center – Center Operations Building Automation (COBA)





- AMCOM JTC/SIL Redstone Arsenal
- SAIC, NASA Integrated Communications Services (NICS)
- University of Alabama Huntsville Alabama Math & Science Technology Initiative (AMSTI)
- Booz Allen, Program and Integration Support (PAIS V) – Army Chemical Materials Agency



- Aetos manages MSFC's enterprise-level Building Automation System
 - Extends to over 120 buildings
 - -25,000 equipment I/O points
 - Over 75,000 total data points for trending
 - Interfaced to a variety of manufactures at the building level (BACnet, modbus, N2)
 - Single-vendor solution at the enterprise level
 - Provides unified user interface for all personnel



Operations Support

- Control room staffed 24 x 7
 - Handle work control functions during non-core hours
 - Serve as communication liaison for facilities during critical or emergency conditions
 - Approximately 2000 "alarm events" per day (2 / minute)
 - Most are normal and managed by Aetos personnel
 - Approx. 200 per day require field action by maintenance personnel
 - Approx. 10 per day require emergency response



Engineering Support

- Provide NASA expertise in control system design and sequences of operation
- Research new technologies
- Update specifications and design standards
- Report utilities consumption & trend data
 - Meter Data Management
- In-house software design capability

"So. What can you do with the data?"

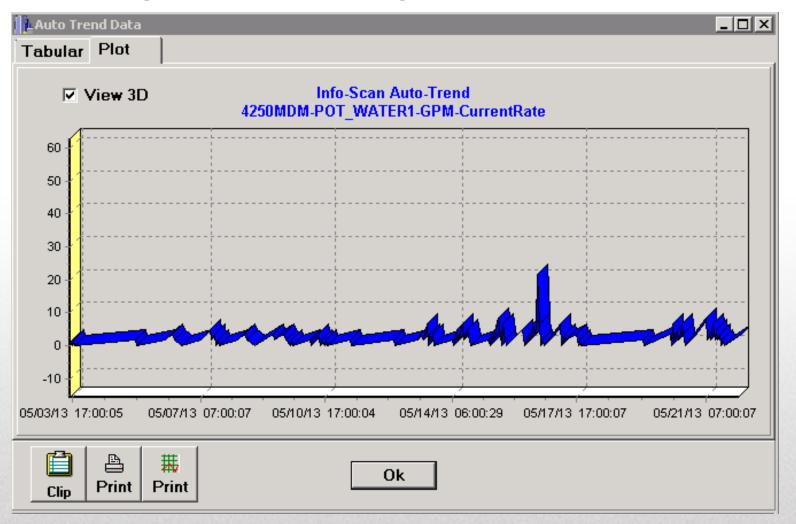


Central Chiller Facility

- -11,000 tons, online ~ 2000
 - Water-side heat exchanger and thermal energy storage added in 2010
 - Energy program provided SEA consultant to evaluate performance with Aetos (Oct '12 to present)
 - Hourly data, >200 points, analyzed bi-weekly
 - Over 40 specific improvements/changes
 - Demand management key to cost savings
 - Peak savings \$30K/month, \$120K/summer season

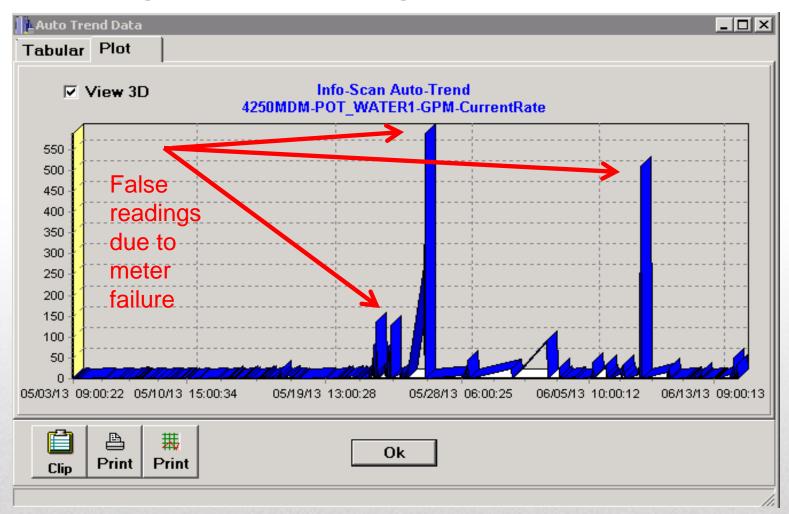


Building 4250 water usage





Building 4250 water usage





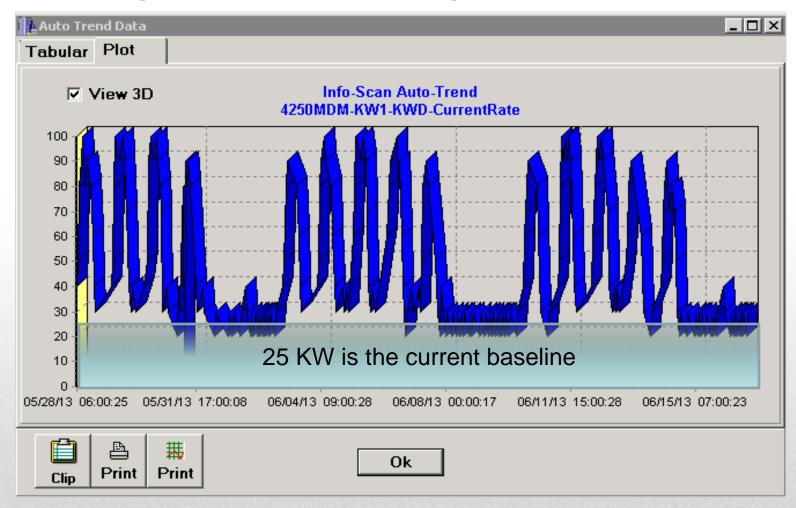
- Vampire Power
 - Phantom power
 - Standby power
 - Electricity leaking



 Anything that sucks power at a continuous rate whether you use it or not!

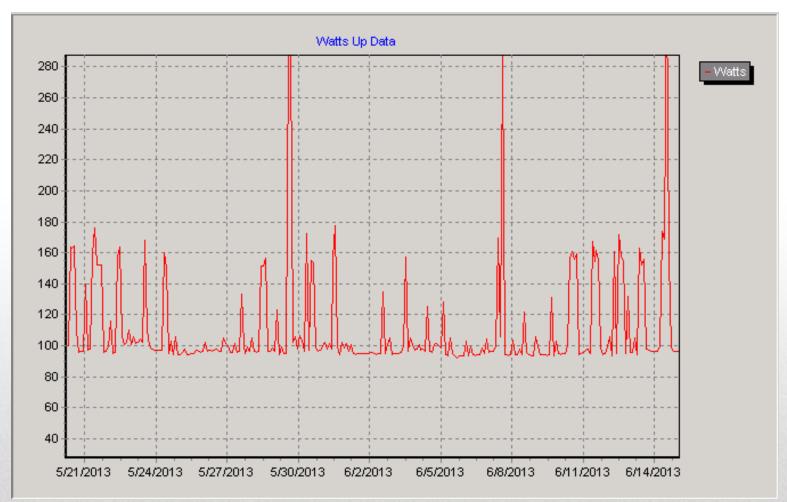


Building 4250 electrical usage





Typical computer workstation (Wade's)





Contacts

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Visit us at www.aetossystems.com

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