Who are we?

- 63 Employees
- 52% have Industry Certification
- 33% are OSHA -30 Certified
- 20% are CQM Certified
- 35% have Bachelor’s degrees
- 5 have advanced degrees
- EE PE on staff
- ME PE on staff
- CEM on staff
- PMP on staff
- 100% of personnel maintain DoD Clearance

ISO 9001: 2008
Installation of Telecommunications and Technical Security Systems

Privately held
Founded in 1997
Energy Management Overview

Advanced Metering and Energy Monitoring | Lighting Systems | Heating Ventilation and Air Conditioning Systems

• Spectrum Solutions, Inc. offers custom designed automated control systems for a variety of facility and energy management systems.

• Our industry qualified, experienced, and manufacturer-trained energy management and controls systems specialists, engineers, and developers are capable of tailoring disparate systems to meet various user applications.

• SSI supplies, program, and integrates Energy Monitoring and Control Systems (EMCS) to meet a variety of customer needs.

• SSI designs a monitoring and control sequence providing the desired system responses, energy efficiency, and provide occupant comfort and safety, while taking into account system lifespan, and overall operational reliability.

• SSI creates web enabled system dashboard and graphical user interfaces to provide the user with customizable reports and data analytics.
Network Services

- Network Security threat analysis, vulnerable assessments and counter-measures
- Network Engineering Design and Implementation
- VPN, Firewall, Network Intrusion Detection Engineering (IT and Field Level)
- Voice over Internet Protocol (VoIP) Telephony
- Fault Tolerant/Quality and Class of Service Dedication Solutions
- Audio, Video, and Data Customization
- Proactive and reactive network support
- Energy management/automated controls interface (LonMark, BACnet, Modbus, IP, Zygbee)
- Network transmission media (twisted pair, coaxial, fiber optic, RF, 802.1x, Microwave, Satellite)
- Supervisory Control & Data Acquisition (SCADA)
- Energy management systems
- Enterprise network solutions
- Database development, mining and data analytics
- Custom user interface development
- Custom application development (range safety, VPN management, ruggedized access control systems, emergency notification)
- Enterprise systems migration
- Kiosk applications development
- Mobile applications development
Heating, Ventilation, Cooling and Plumbing Services

- Chilled Water
- Hot Water
- Steam
- Direct Expansion (Split and Packaged)
- Air Handling and Terminal Devices
- Ground Source (Geo-Thermal)
- Cooling Towers
- Variable Air Volume (VAV)
- Solar Water Heating
- Heat Recovery
- Exhaust/Ventilation
- Thermal Monitoring and Management
- Dedicated Outdoor Air
- Plumbing and Domestic Water Heating
- Piping & Ductwork
- Insulation
- Building Envelope Evaluation/Improvement
- Test and Balance
- Commissioning
- Retro-Commissioning
Electronic Security

- Intrusion Detection
- Access Control
- Video Surveillance
- Integrated Platforms
Fire Alarm & Life Safety Design and Installation

Typical design for a detention center fire alarm system
Micro Grid Design and Implementation
Renewable Energy Capabilities

- 39 kW TenK Solar XT26 Reflect System
- Commissioned 2/2015
- 58,310 kWh of AC per year