

Services

Mechanical Engineering

- HVAC
- Central Energy Plants
- Building Automation Systems
- Air Handling Systems
- Chilled Water, Heating Hot Water and Steam Distribution
- Heat Recovery Systems
- Fuel Distribution
- Smoke Control Systems
- Energy Audits and Cost Benefit Analysis
- Life-Cycle Costs Analysis
- Indoor Air Quality Analysis
- Due Diligence Assessments
- Earthquake Preparedness
- Redundancy and Failure Mode Analysis
- Vibration and Noise Control
- Commissioning

Electrical Engineering

- Acoustics
- Building Systems
- Commissioning
- Energy Conservation
- Fire Alarm
- Generators and Paralleling
- Grounding and Lightning Protection
- Life-Cycle Costing
- Lighting
- Load Flow and Voltage Drop Studies
- Motors and Controls
- Power Distribution
- Power System Disturbance Analysis
- Process Control and SCADA (Supervisory Control And Data Acquisition)
- Radio Propagation
- Security and Access Control
- Short Circuit, Coordination and Arc Fault Studies
- Substations
- UPS (Universal Power Supply)
- Variable Frequency Drives
- Waveform Analysis

Plumbing/Fire Protection

- Domestic Water, Waste and Venting
- Specialized Water Systems
- Specialized Waste and Venting
- Medical and Laboratory Gas Systems
- Wet, Dry and Pre-Action Sprinkler Systems
- Chemical-Based Fire Extinguishing Systems
- Fuel Distribution
- Due Diligence Assessments
- Earthquake Preparedness
- Redundancy and Failure Mode Analysis
- Commissioning

Services

Architecture

- Building Design
- Building Renovation
- Commissioning
- Construction Costing/Budgeting
- Construction Documents
- Existing Facility Assessments
- Interior Design Master Planning
- Programming
- Site Design
- Space Planning
- Commissioning

Information Technology Consulting

- Active Network Electronics
- Audio/Visual Systems
- Business Strategies
- Communications Infrastructure
- Concepts Development
- Cost & Benefit Analysis
- Critical Operations Planning
- Feasibility Studies
- Functional Requirements
- IT Disaster Recovery
- Management Consulting
- Master Planning
- Process Re-Engineering
- Requests for Proposal
- Risk Analysis & Value Engineering
- Site Infrastructure
- Systems Architecture
- Systems Integration and Commissioning
- Technology Assessment
- Telecommunication Systems
- White Papers

Security Consulting

- Access Control
- Biometric Technologies
- Chem/Bio/Rad/Explosive Metal Screening and Detection
- Closed-Circuit Television
- Digital Video Recording
- Intelligent Video Detection
- Intrusion Detection
- Security Audits and Surveys
- Security Infrastructure Design
- Security Master Planning
- Security Operations Center Design
- System Redundancy Design
- Threat and Risk Assessments
- Video Imaging and Badging

Services

Systems Engineering

- Access Control Systems
- ADA Electronic Systems
- CATV Systems
- CCTV Systems
- Commissioning
- Common Use Systems
- Digital Video Recording Systems
- Fire Alarm Systems
- Information Display Systems
- Intercom Systems
- Local Area Networks
- Master Clock Systems
- Nurse Call Systems
- Public Address Systems
- Radio Systems
- Structured Cabling Systems
- Telephone Systems
- Video Advertising Systems
- Visual Paging Systems
- Wireless Network Systems

Wireless Consulting

- Broadband Data: Point-to-Multipoint Towers (Design, Siting)
- Cellular/PCS Carrier Identification and Traffic Monitoring
- FCC Licensing Assistance
- In-Building RF Distribution Design
- Microwave/Point-to-Point
- Radio System Coverage Studies (Prediction)
- Radio System Coverage Surveys (Measurement)
- RF Policies & Procedures
- RF Spectrum Analysis
- Two-Way Radio System Design
- Wireless LAN (802.11a/b/g) Design

Commissioning

- Architecture
- Construction Administration
- Cx Documentation
- Design Review
- Electrical
- Mechanical
- Owner Advocate
- Owner's Manual
- Plumbing
- Project Requirements
- Resolution of Deficiencies
- Systems
- Training
- Verification