



Needs Assessment Survey		1	2	3	4	5
1.	Master Planning with Cost Controls for Integration Most Important 1 least 5 a					
2.	Database management (CREATING STANDARDS)					
3.	Program Manager for Assessment of the existing facility enterprises (legacy systems)					
4.	Program Manager and Construction manager for all technology in new or expanded Facilities (Report direct to IT, Owner or GC)					
5.	Coordination of technology for optimized integration with IT and other technology providers including engineering of systems within the specifications					
6.	IT Infrastructure with BAS Convergence applied to "Facility Nodes"					
7.	Working with existing BAS suppliers for cost reduction and functional enhancements					
8.	Open Protocol Implementation (BACnet, LonTalk, XML, OBIX, DALI, Modbus)					
9.	Educational Issues of Personnel as to Energy and Technology; VFDs and lighting					
10.	Project costing and budgeting through the whole design process (New and Existing)					
11.	LEED certification and measurement and verification including NC (New Construction) EB (Existing Building) and Commissioning					
12.	Pricing, bidding and/or purchasing of product (GMP and Cost Control)					
13.	Building Automation and controls design within an IT business model					
14.	HMI and the different Applications, Dashboards, Signage, Phones, IPADS "Wayfinding"					
15.	Fire Alarm and Life-safety Integration (Smoke Control) UL864/UUKL					
16.	Security Integration with Signage and Audio					
17.	CCTV over IP Integration and Intrusion					
18.	Lighting Control (smart distribution panels), DALI (Digital Addressable Lighting Interface), BPL (Broadband over Power Line), Wireless with BAS integration					
19.	Automatic Blinds and Occupancy sensors					
20.	Integrated Lighting Design with Occupancy sensors and daylight harvesting					
21.	Continuous Commissioning and Analytical Software for the BAS enterprise					
22.	Access Control Integration "Smart Cards" "Biometrics"					
23.	IAQ (Indoor Air Quality) monitoring and control (CO2, CO, and Outside Air CFM)					
24.	Energy Metering and Monitoring for both supply, demand, and demand response					
25.	Variable Frequency Drives					
26.	Wireless sensing and monitoring including Zigbee, EnOcean, Z-Wave, RFID, Dash-7					
27.	DEA, EPA, and FDA monitoring and verification of equipment or areas					
28.	Power Monitoring and Control for Switchgear and EM power with Testing Sequences					
29.	Asset and People Monitoring/Counting					
30.	Interfaces (Chillers, VFDs, CRAC, Elevators, Escalators, EM Generator, Fuel Tank, Etc)					
31.	Maintenance Monitoring, and Management Integration in real time					
32.	Real Time energy pricing and ADR (Automatic Demand Response)					
33.	Call Desk and Property Management Integration in Real Time					
34.	Geographic Information System (GIS) Document Handling and Storage					