



2013 IT TAG Weighted Rankings

Title	E3TNW Record #	Average Rating	Highest rating	Lowest rating	# Responses	RANK by avg score	# of "5"s	# of "0"s
Air-Side Economizer for Data Centers *	119	4.00	5	1	13	1	5	0
Airflow Management in Data Centers *	62	3.92	5	3	13	2	3	0
Server Virtualization *	164	3.85	5	2	13	3	5	0
High-Efficiency UPS Equipment for a Data Center *	488	3.85	5	3	13	3	3	0
Efficient Power Supplies for Electronic Devices	1	3.62	5	2	13	5	1	0
Premium HVAC Equipment	105	3.54	5	1	13	6	4	0
Ongoing Commissioning of Economizers in a Data Center *	486	3.38	5	2	13	7	1	0
Storage Area Network (SAN) and Network Core Consolidation *	509	3.36	5	2	11	8	2	0
Power Management for IT Equipment *	508	3.33	5	1	12	9	1	0
Solid State Drives (Flash Memory) *	159	3.23	5	1	13	10	2	0
Optimizing Data Center Controls	505	3.18	5	1	11	11	2	0
Direct Server Cabinet Cooling *	68	3.15	4	2	13	12	0	0
Low Standby Power in Electronics	169	3.15	5	0	13	12	2	1
Data Center Infrastructure Management	504	3.08	4	2	12	14	0	0
Optimized Controls for Expected Loads	41	3.08	5	1	13	15	1	0
Training on Energy-Efficient Product Selection	348	3.08	5	0	13	15	4	1
Best Practices and Software Tools Training for Data Center Designers	489	3.08	5	2	13	15	2	0
Educating Installers in New Technologies and Relevant Incentives	235	3.00	5	1	13	18	2	0
Increased Use of Key Performance Indicators in HVAC System Optimization	350	3.00	5	1	13	18	1	0
Wireless Sensor Network for Data Centers	473	3.00	4	1	13	18	0	0
Modular UPS Equipment in a Data Center	492	3.00	5	0	12	18	1	1
Improved Data Storage Management	507	3.00	5	0	12	18	1	1
Dashboard Systems and Continuous Monitoring Based Commissioning	272	2.92	4	1	13	23	0	0
Specify Computing Performance Metrics for New IT Equipment	501	2.92	5	0	13	23	2	1
Cloud Computing	490	2.85	5	0	13	25	2	1
Make IT Manager Financially Accountable for Data Center Energy Use	506	2.83	5	0	12	26	2	3
Reuse of Heat from Server	52	2.77	5	0	13	27	1	1
Energy-Efficient Office Equipment	148	2.77	5	0	13	27	2	2
Transformerless UPS Equipment	494	2.77	5	1	13	27	1	0
Energy-Efficient Computer Power Supplies and Adapters	189	2.62	4	0	13	30	0	2
Low Temperature Air for Airside Economizer	258	2.62	5	0	13	30	1	2
Heat Recovery in a Data Center	487	2.62	5	0	13	30	1	1
In-Rack Data Center Cooling	158	2.54	5	0	13	33	1	1
Utilize Waste Heat to Warm Generator Blocks in a Data Center	495	2.54	4	1	13	33	0	0
Automate Data Retention and Deletion Policies	497	2.54	5	0	13	33	1	1
Integrated and Turnkey Energy Management and Control Solutions	356	2.46	4	0	13	36	0	2
Modular HVAC Equipment for Data Centers	382	2.46	5	0	13	36	2	1
Liquid Submersion Cooling for Data Centers	452	2.46	5	0	13	36	1	1
Modular Data Centers	485	2.38	4	0	13	39	0	1
Right-Size Data Center Power Equipment	496	2.38	4	0	13	39	0	1
Energy Use Benchmarking Tool Using Utility Meter Data	365	2.31	4	0	13	41	0	3
Supply DC Power to IT Rack in a Data Center	503	2.27	5	0	11	42	1	1
Running Data Centers at High Voltages for Energy Savings	5	2.23	4	0	13	43	0	2
Replace UPS with On-Board Battery Backup on IT Equipment	491	2.18	5	0	11	44	1	1
Encourage Replacement of In-Service Standard Efficiency Motors with Premium Efficiency Models	230	2.17	5	0	12	45	1	1
Partial OSA Economizer for Loop-Type Systems	254	2.08	5	0	13	46	1	2
Relocate Transformers to Outside of Conditioned Space in a Data Center	498	2.08	4	0	13	46	0	1
OLEDs for Display Applications	98	2.00	4	0	13	48	0	2
Ultrasonic Humidification for Commercial Buildings	121	1.92	4	0	12	49	0	3
Personnel and Cable Grounding to Allow Lower Humidity in a Data Center	499	1.85	3	0	13	50	0	3
High-Performance Indirect Evaporative Cooler	252	1.83	5	0	12	51	1	4
Use Supplemental Cooling for Occasional Loads in a Data Center	502	1.77	4	0	13	52	0	3
Bypass or Eliminate UPS Input Filters	500	1.75	5	0	12	53	1	3
Advanced Metering Infrastructure	179	1.69	4	0	13	54	0	4
Set HVAC Equipment Tightness Requirements	55	1.62	3	0	13	55	0	3
Thermoelectric Refrigeration for Cabinet Cooling	445	1.62	5	0	13	55	1	4
Underfloor Air Distribution	16	0.92	4	0	13	57	0	7

* These technologies will be scored