InetSupervisor™

InetAnalytics

Trend data analytics and presentation

MADE IN U. S. A.

Applications

InetAnalytics is a data presentation and analysis software that simplifies energy utilization, system operation and pattern studies.

Typical questions that it can help answer include:

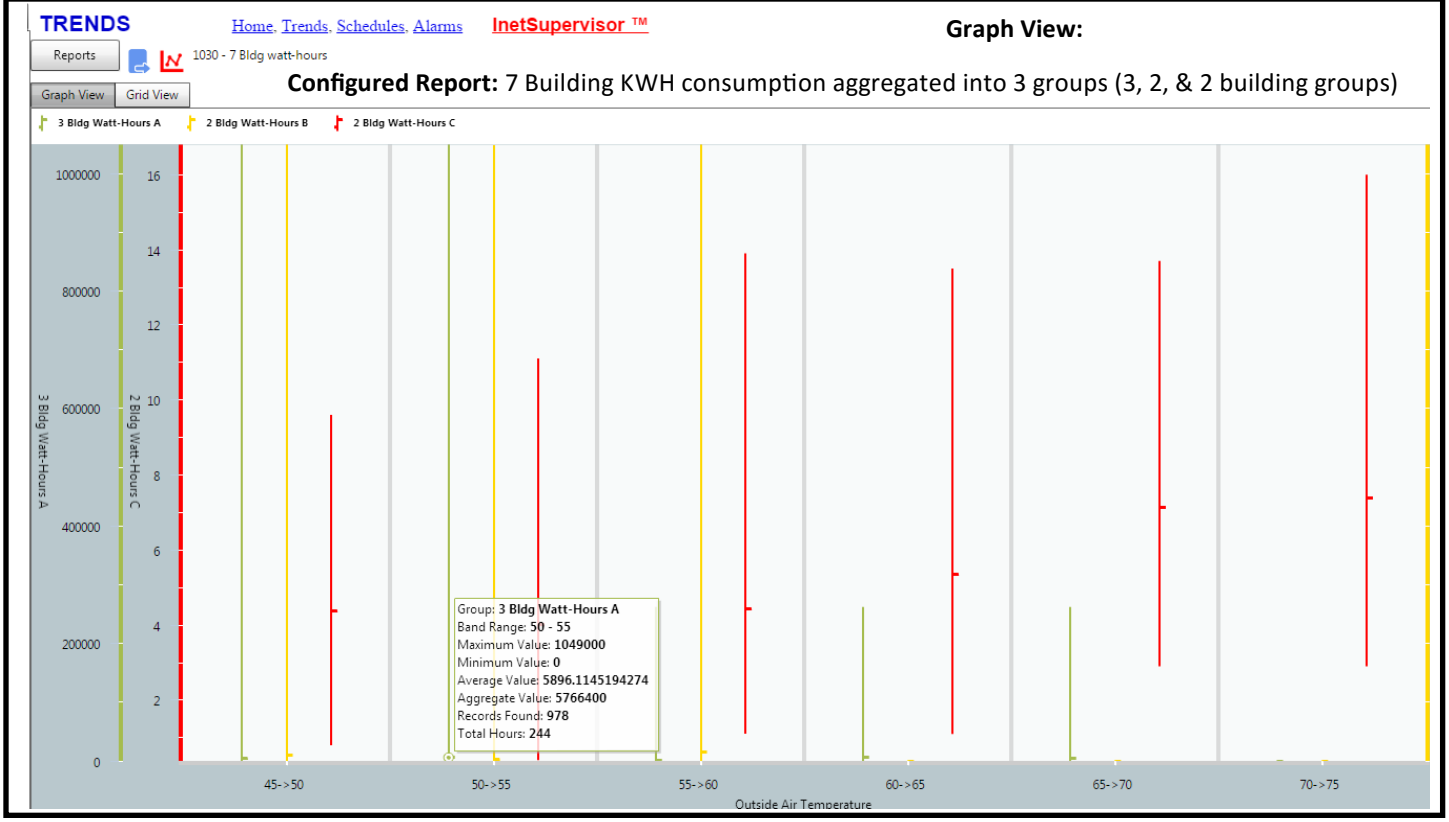
- Show building's energy consumption per OSA temperature in bands of 10°F
- What was the kW consumption during occupied hours, but only when OSA T was over 75° F, all AHUs were ON and out of economizer. Display the data sorted by 10° OSA T bands.

There is no limit of number of filters to discard data that is not of interest. Resulting report can be exported as CSV file for archival or import to Excel, etc.

Attributes

- Filter data on any desired dates, days, times, & conditions
- Standardized data supports performance evaluation over time
- Works with any type of trended data, including accumulated values (i.e. - KWH meters)
- Aggregate data from any compatible points (i.e. - KWH of all the buildings on a campus)
- Save report configurations, so you can regenerate them anytime
- Automatically email PDF copies to anyone

Graph View:



Example output

KWH consumption comparison before & after a building automation retrofit

(successfully submitted for a utility rebate)

Sort Criteria standardizes the data:
- Support performance evaluation by grouping data into smaller outdoor temperature ranges (choose any sort criteria & configure any group size)

Evaluate the performance of different time periods

Filter the data on any desired condition(s)

Low Temp	High Temp	Baseline Hrs	Baseline KwH	Baseline KwH/Hr	Retrofit Hrs	Retrofit KwH	Retrofit KwH/Hr	KwH/Hr % Saving (Loss)	Baseline hrs at retrofit KwH/Hr rate	% Savings
30	34	0.00	0.0	0.0	0.00	0.0	0.0	0.0%	0.00	
35	39	0.00	0.0	0.0	3.00	20.2	6.7	0.0%	0.00	
40	44	12.00	320.6	26.7	17.00	43.4	2.6	90.4%	30.61	
45	49	51.00	1,193.6	23.4	71.00	399.8	5.6	75.9%	287.17	
50	54	79.00	1,595.3	20.2	120.00	744.1	6.2	69.3%	489.86	
55	59	40.00	818.2	20.5	139.00	1,123.5	8.1	60.5%	323.31	
60	64	49.00	1,163.5	23.7	97.25	1,242.4	12.8	46.2%	625.99	
65	69	20.00	539.3	27.0	42.00	683.5	16.3	39.6%	325.47	
70	74	22.00	676.9	30.8	41.00	922.9	22.5	26.8%	495.21	
75	79	15.00	565.8	37.7	16.00	304.3	19.0	49.6%	285.28	
80	84	6.00	279.5	46.6	17.00	284.2	16.7	64.1%	100.31	
85	89	0.00	0.0	0.0	9.00	50.9	5.7	0.0%	0.00	
90	94	0.00	0.0	0.0	2.00	5.9	3.0	0.0%	0.00	
95	99	0.00	0.0	0.0	0.00	0.0	0.0	0.0%	0.00	
100	104	0.00	0.0	0.0	0.00	0.0	0.0	0.0%	0.00	
105	109	0.00	0.0	0.0	0.00	0.0	0.0	0.0%	0.00	
110	114	0.00	0.0	0.0	0.00	0.0	0.0	0.0%	0.00	
115	119	0.00	0.0	0.0	0.00	0.0	0.0	0.0%	0.00	
Total		294.00	7,152.6		574.3	5,825.0			2,963.20	58.6%

Grid View:

TRENDS Home, Trends, Schedules, Alarms InetSupervisor ™

Reports 1030 - 7 Bldg watt-hours

Graph View Grid View

Configured Report: 7 Building KWH consumption aggregated into 3 groups (3, 2, & 2 building groups)

Band Range	Average Value	Maximum Value	Minimum Value	Standard Deviation	Aggregate Value	Record Count	Aggregate Hours	Group Name
45->50	5207.7262693156	1049000	0	70634.2295709053	2359100	453	113	3 Bldg Watt-Hours A
50->55	5896.1145194274	1049000	0	63585.9774267682	5766400	978	244	3 Bldg Watt-Hours A
55->60	1222.3776223776	262200	0	17881.7941910923	524400	429	107	3 Bldg Watt-Hours A
60->65	5924.2937853107	262200	0	39071.487914108	1048600	177	44	3 Bldg Watt-Hours A
65->70	3971.2121212121	262100	0	32262.2797856831	262100	66	16	3 Bldg Watt-Hours A
70->75	0	0	0	0	0	33	8	3 Bldg Watt-Hours A
45->50	10418.976821192	1049000	0	104170.866043116	3146531	302	75	2 Bldg Watt-Hours B
50->55	3221.2319508448	1048000	0	58043.1273528372	2097022	651	162	2 Bldg Watt-Hours B
55->60	14665.895804195	1049000	0	123343.688870125	4194446.2	286	71	2 Bldg Watt-Hours B
60->65	3.7822033898299	17.3999999999651	0	4.67129132306341	446.29999999993	118	29	2 Bldg Watt-Hours B
65->70	4.2022727272745	13.9000000000233	0	4.86432139373887	184.900000000081	44	11	2 Bldg Watt-Hours B
70->75	5.3181818181791	12	0	5.54313271952676	116.999999999942	22	5	2 Bldg Watt-Hours B
45->50	4.3900662251652	9.60000000003492	0.80000000000291	2.35252758583384	1325.79999999992	302	75	2 Bldg Watt-Hours C
50->55	4.0162826420892	11.1000000000349	0.399999999994179	2.15250387438002	2614.60000000011	651	162	2 Bldg Watt-Hours C
55->60	4.4414634146336	13.9000000000233	1.09999999997672	3.20444216661506	1274.69999999987	287	71	2 Bldg Watt-Hours C
60->65	5.3669491525428	13.5	1.10000000000582	3.82716460364238	633.300000000061	118	29	2 Bldg Watt-Hours C
65->70	7.125	13.7000000000116	2.89999999999418	3.93972759063162	313.5	44	11	2 Bldg Watt-Hours C
70->75	7.3863636363636	16	2.89999999999418	4.41127294602219	162.5	22	5	2 Bldg Watt-Hours C

- Data filtered on the outdoor temperature >= 45° & <=75°
- Data sorted into smaller 5 degree outdoor temperature ranges