We offers Custom and Economical Solutions to a wide range of industries and service segments

Energy Management

Process Control

Industrial Automation

Building Management

Solar Monitoring

Test & Measurement

K-Lite

Application

OVERVIEW

Alarms

- Pop-Up
- Audio
- e-Mail
- SMS

SMS

- Real-time Data
- Historical Data
- Custom Formats
- Multiple Recipients

Analysis

- Historical Data
  Graphs | Readings
- Dashboards
- Alarms

Monitor

- Electricity
- Water
- Gas
- Temperature
- Flow
- Pressure
- Levels
- Status

Reports

- Excel Format
  Graphs | Dashboards | Readings
- Custom Templates

AREAS

Industries

- Electricity.
  EB | DG | Machines | Chillers | Boilers | Breakers |Relays | etc.
- Production / Generation.
- Equipment Run hours.
- Power Interruptions.
- Diesel Levels.
- Temperature.
- Pressure.

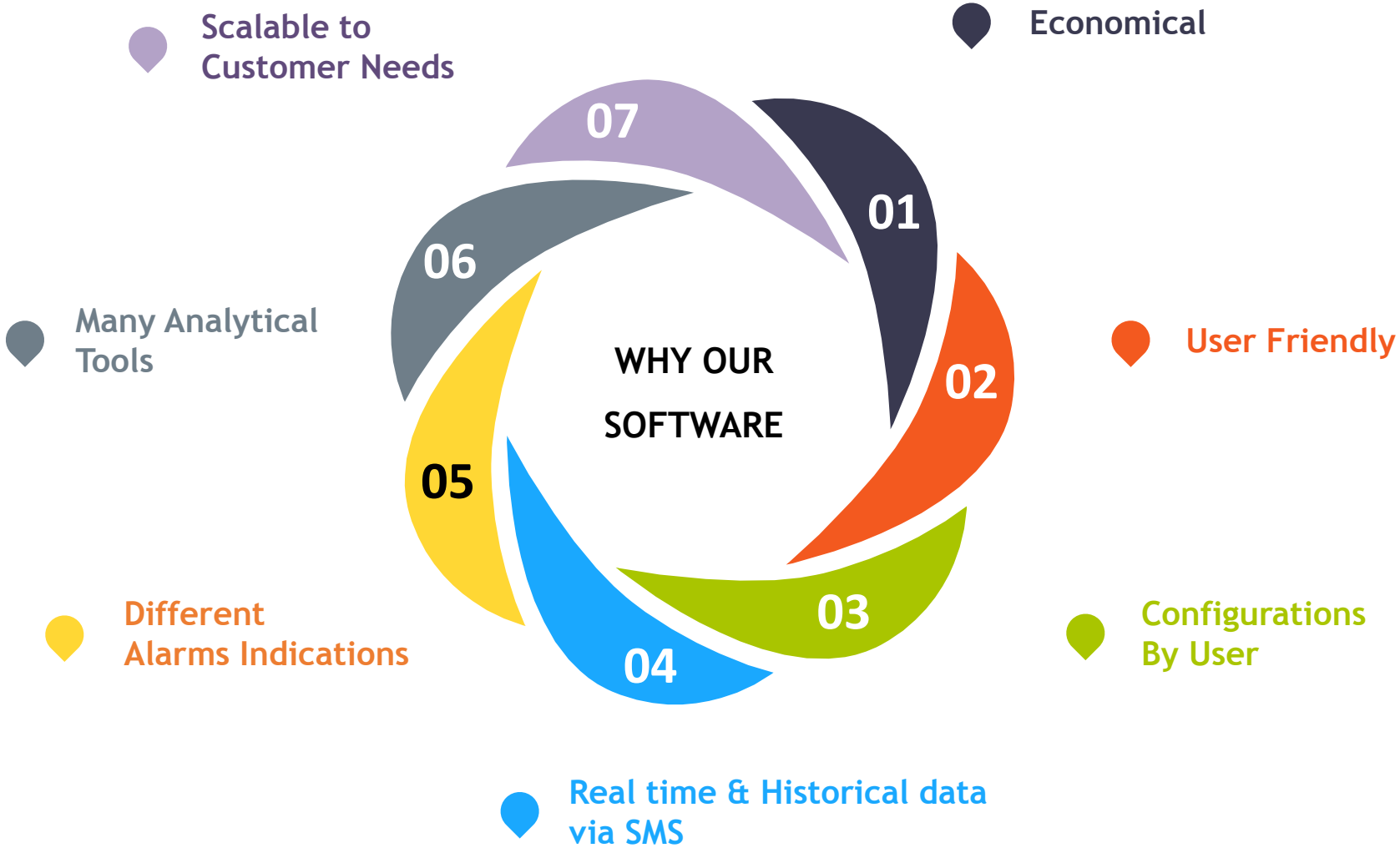
Buildings

- Electricity.
  EB | DG | UPS | Lighting | HVAC | etc.
- Temperature.
- Water Consumption.

⇨ Commercial Buildings
⇨ Hotels
⇨ Textiles
⇨ Apartments

Data Centers

- Electricity.
  EB | DG | UPS | Lighting | HVAC | PDU | Racks | etc.
- Server Details.
- Temperature.
- PUE (Power Usage Effectiveness)


Scalable to Customer Needs
Economical
07
01
06
Many Analytical Tools
WHY OUR SOFTWARE
User Friendly
02
05
03
Different Alarms Indications
Configurations By User
04
Real time & Historical data via SMS

SOFTWARE FEATURES

ARCHITECTURE

- Server & Client architecture.
- All configurations, features in both server & clients.
- Independent customisation in both server & clients.

REALTIME MONTORING

- Creation of own matrix screens.
- Devices & Parameters selection as per user needs.
- Easy selection of parameters by Drag & Drop.
- Formats
  Tabular | Filter based | Device wise | Mimics | Graphs
- Device communication status.

ALERTS

- User configurable.
- Indication
  Pop-up | Audio | e-Mail | SMS
- Alarms Analysis.

HISTORICAL ANALYSIS

- Tables.
- graphs.
- Easy selection of parameters by Drag & Drop.
- Parameters Grouping for quick access.
- Export Data.
- Print Graphs.
- SMS.

SOFTWARE FEATURES

DASH BOARDS

- Custom Dashboards.
- Energy Dashboard.
- Gadgets & Layouts selection.
- Devices & Parameters selection as per user needs.
- Formats
  Bar | Line | Area | Pie | Doughnut
- Intervals
  Daily | Weekly | Monthly | Yearly

REPORTS

- Custom groups creation.
- Defining own time slots.
- Formats
  Periodic | Daily | Weekly | Monthly | Yearly | Min Max | Zone Wise | Till Date | Dashboards.
- Manual Entries.
- Auto report generation.
- Auto e-Mail of Reports.
- Custom reports as per user needs.

CONFIGURATIONS

- Devices.
- Ports.
- Custom devices.
- Data logging .
- OPC server & client.
- Users.

MISCELLANEOUS

- Parameters availability even in case of non availability of the same in field devices.
- Integral calculations of Real time data.

ENERGY MANAGEMENT SYSTEM BENIFITS

BENCH MARKING ENERGY CONSUMPTION

- Understanding all forms of energy use and other utilities is the first step in assessing the potential for efficiency savings.
- K-Lite software can guide, plan, manage, organise and display key energy and other parameters in real time.
- It provides a tremendous diagnostic tool for identifying and solving energy problems and appreciating opportunities for cost savings.

REDUCTION IN SPECIFIC ENERGY CONSUMPTION

- The majority of energy consumption in the plant is for production activity.
- Each product measured will be measured by energy consumed to make one unit of product.
- With K-Lite software, the plant manager can measure as well as reduce energy consumption by close monitoring of machinery run hours and prevent idle running machine.

REDUCTION IN DISTRIBUTION LOSS

- The power received from electricity board and captive power is being fed through various transformers to various load centres like MCC, PCC, pumps, blowers, compressors, chillers, lighting loads and etc.
- It is very important to know whether the power received from the source is being utilized effectively by all machines and the level of the loss incurred due to distribution. With the help of K-Lite software, by understanding the measured values, various steps can be taken to reduce losses.

REDUCE PEAK DEMAND

- K-Lite software can assist in reducing peak demand and associated demand charges.
- Regular verification of daily load profile will help plant manager to identify and eliminate demand spikes, such as those associated with simultaneous motor, pump, compressor start-ups or schedule operation in such a way as to reduce overall demand.

ENERGY RESOURCE PLANNING

- K-Lite software computes the energy balance at various feeder and system losses to formulate and implement loss elimination schemes as any electrical distribution network has inherent losses.
- Since energy use pattern of every feeder is monitored, any variation in power consumption pattern at any process or sub section is exposed immediately for immediate control.

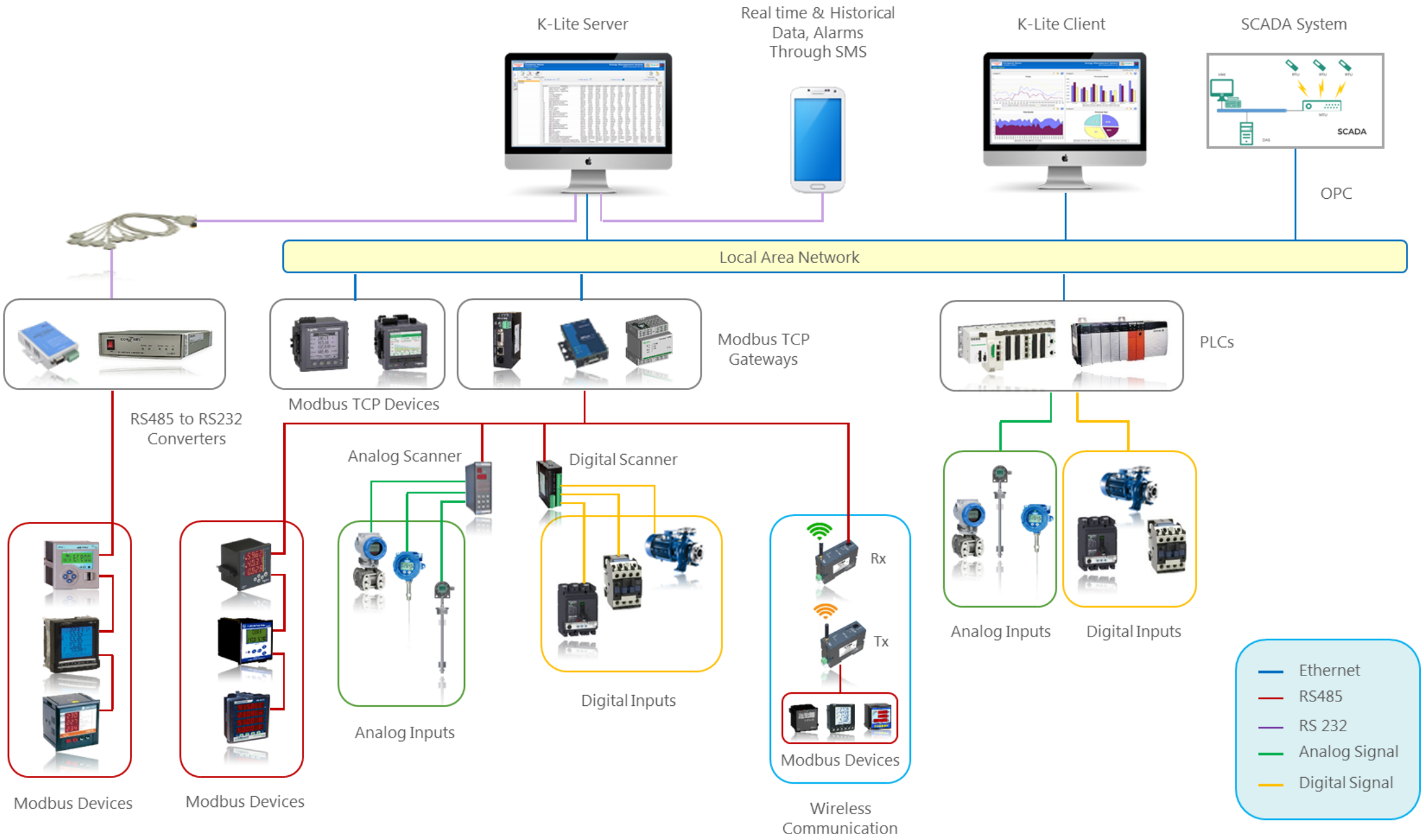
ELIMINATING INEFFICIENT EQUIPEMENT OPERATION

- K-Lite software is highly useful in quickly spotting wasteful energy use.
- By reviewing daily load profiles and comparing to benchmark labels, plant manager can identify the instance when equipment is not performing properly or unused equipment is left running.
- This will help customer in saving of 5% or more just from eliminating gross wastage.

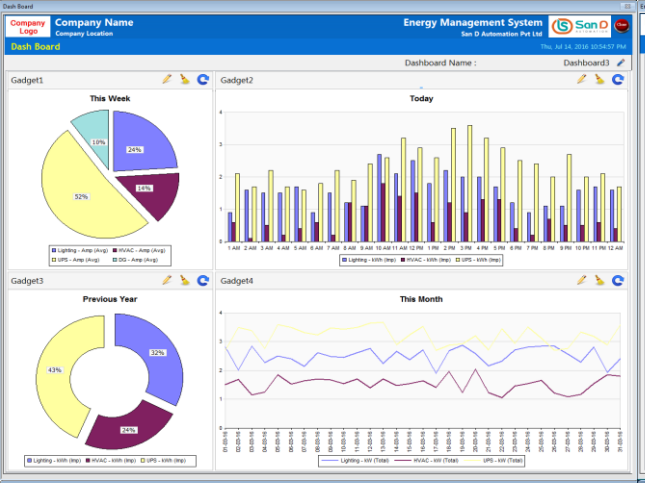
MEASUREMENT AND VERIFICATION

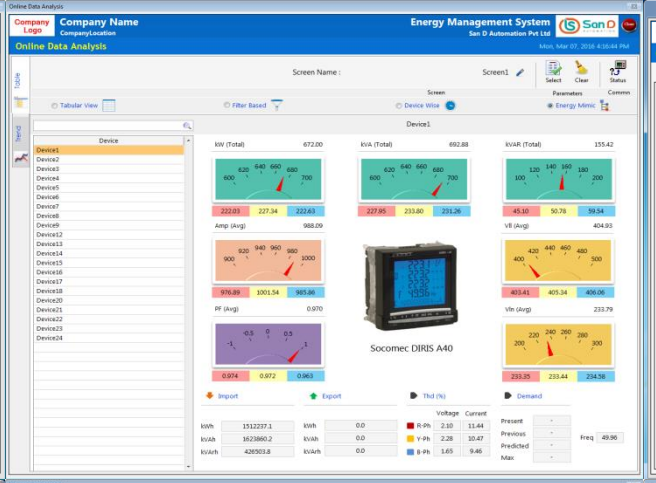
- K-Lite software measures and records energy consumption trends. Verifies results of energy saving measures taken. Enables achievement of objectives with the precision which assist in decision making.

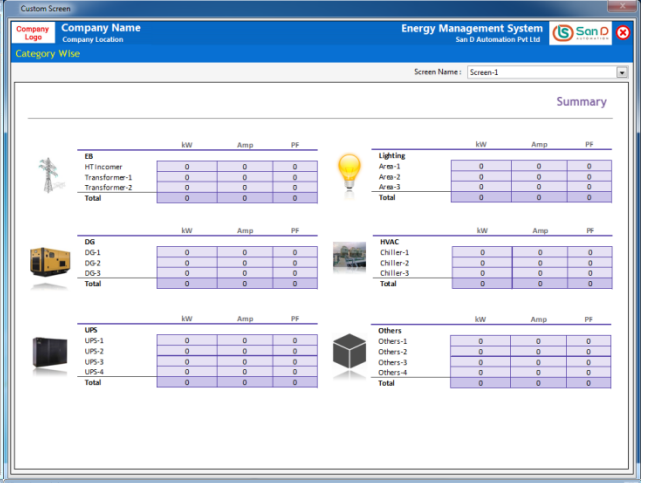
ARCHITECTURE

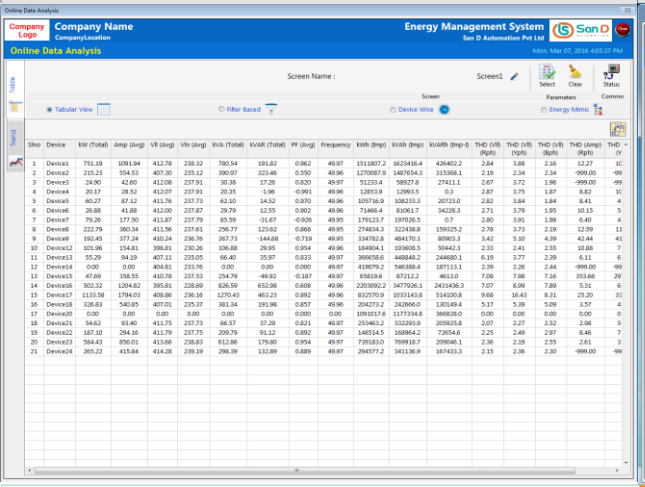


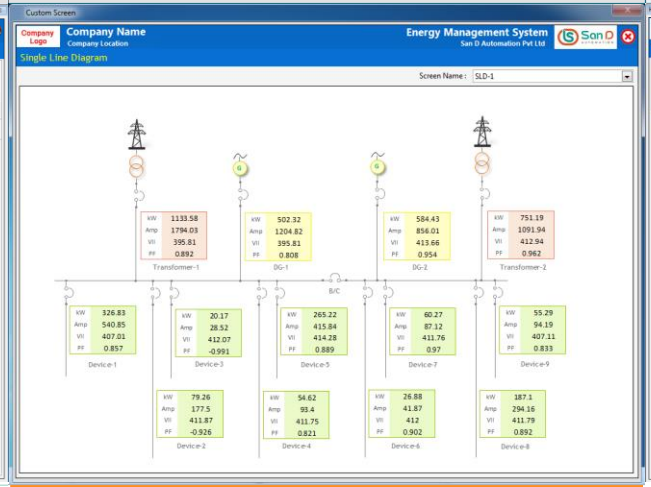
SAMPLE SCREENS

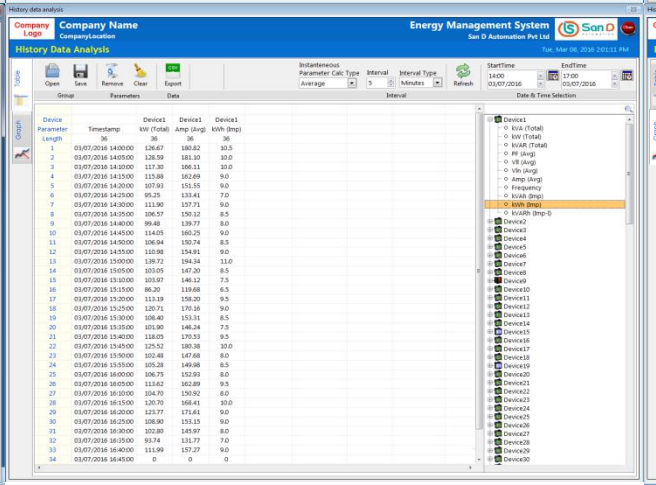


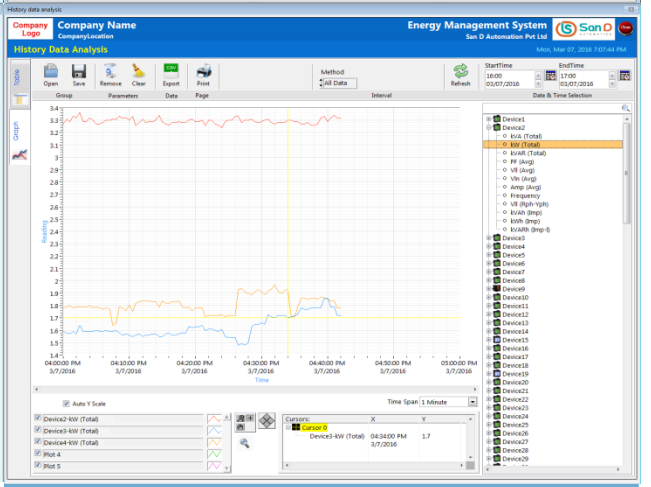












Company Logo

Energy Management System

Company Name

Hourly Report

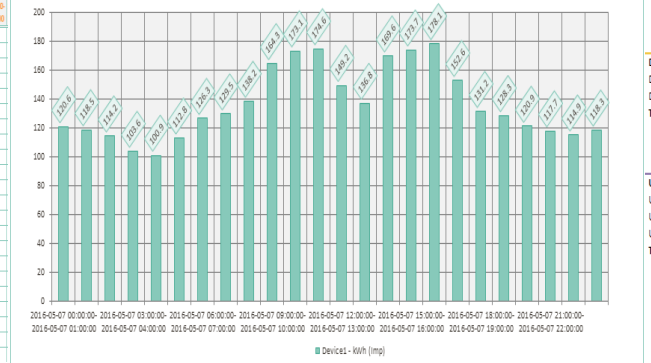
Period	07-May-2016
Generated On	03-Sep-2017
Generated By	Administrator

Sno	Device Name	Parameter Name	2016-05-07 00:00:00 2016-05-07 01:00:00	2016-05-07 01:00:00 2016-05-07 02:00:00	2016-05-07 02:00:00 2016-05-07 03:00:00	2016-05-07 03:00:00 2016-05-07 04:00:00	2016-05-07 04:00:00 2016-05-07 05:00:00	2016-05-07 05:00:00 2016-05-07 06:00:00	2016-05-07 06:00:00 2016-05-07 07:00:00	2016-05-07 07:00:00 2016-05-07 08:00:00	2016-05-07 08:00:00 2016-05-07 09:00:00
1	Device1	kVA (Total)	0.93	0.96	0.93	1.69	1.5	1.35	1.69	1.5	1.35
2	Device1	kW (Total)	0.92	0.96	0.93	1.57	1.38	1.23	1.57	1.38	1.23
3	Device1	kVAR (Total)	-0.03	-0.02	-0.02	-0.62	-0.59	-0.57	-0.62	-0.59	-0.57
4	Device1	PF (Avg)	0.999	0.999	0.999	0.929	0.918	0.905	0.929	0.918	0.905
5	Device1	Vll (Avg)	420.08	420.05	422.87	419.9	419.9	421.83	419.9	419.9	421.83
6	Device1	Vln (Avg)	241.55	241.53	244.15	242.47	242.45	244.16	242.47	242.45	244.16
7	Device1	Amp (Avg)	1.52	1.57	1.54	2.35	2.11	1.94	2.35	2.11	1.94
8	Device1	Frequency	49.96	49.99	50.01	49.96	49.99	50.01	49.96	49.99	50.01
9	Device1	kWh (Imp)	0.9	0.9	0.5	1.5	1.3	0.7	1.5	1.3	0.7
10	Device1	kVA (Total)	3.98	3.86	4.21	0.53	0.54	0.53	0.53	0.54	0.53
11	Device2	kW (Total)	3.94	3.82	4.15	0.49	0.49	0.49	0.49	0.49	0.49
12	Device2	kVAR (Total)	0.59	0.53	0.73	-0.11	-0.06	-0.11	-0.11	-0.06	-0.11
13	Device2	PF (Avg)	0.989	0.99	0.985	0.935	0.923	0.938	0.935	0.923	0.938
14	Device2	Vll (Avg)	420.25	420.24	423.04	420.01	419.93	421.98	420.01	419.93	421.98
15	Device2	Vln (Avg)	242.65	242.6	244.23	242.5	242.46	244.19	242.5	242.46	244.19
16	Device2	Amp (Avg)	5.5	5.33	5.8	0.87	0.88	0.88	0.87	0.88	0.88
17	Device2	Frequency	49.96	49.99	50.01	49.96	49.99	50.01	49.96	49.99	50.01
18	Device2	kWh (Imp)	3.7	3.8	2.3	0.6	0.7	0.3	0.6	0.7	0.3
19	Device2	kWh (Imp-i)	3.6	3.8	2.3	0.5	0.4	0.3	0.5	0.4	0.3
20	Device2	kVARh (Imp-i)	0.5	0.4	0.3	6026.3	3013	3012.9	6026.3	3013	3012.9
21	Device3	kVA (Total)	1.44	1.64	1.6	0.25	0.25	0.25	0.25	0.25	0.25
22	Device3	kW (Total)	1.4	1.61	1.56	0.23	0.23	0.24	0.23	0.23	0.24

Dashboard

Device: Device1 Parameter: kWh (Imp)

Hourly Graph



EB	Today	Yesterday	Over/Under
Incomer-1	1200.0	1240.0	▽
Incomer-2	1150.0	1180.0	▽
Transformer-1	1170.0	1220.0	▽
Transformer-2	1120.0	1165.0	▽
Total	2350.0	2420.0	▽

DG	Today	Yesterday	Over/Under
DG-1	720.0	744.0	▽
DG-2	690.0	590.0	△
Total	1410.0	1334.0	△

UPS	Today	Yesterday	Over/Under
UPS-1	900.0	930.0	▽
UPS-2	862.5	837.8	△
UPS-3	877.5	915.0	▽
Total	2640.0	2682.8	▽

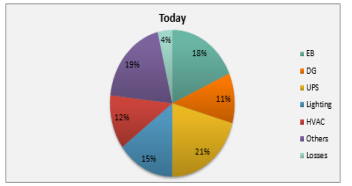
Lighting	Today	Yesterday	Over/Under
Area-1	443.8	448.1	▽
Area-2	190.2	140.8	△
Area-3	380.4	320.1	△
Area-4	126.8	128.0	▽
Area-5	253.6	256.1	▽
Area-6	507.2	512.1	▽
Total	1902.0	1805.3	△

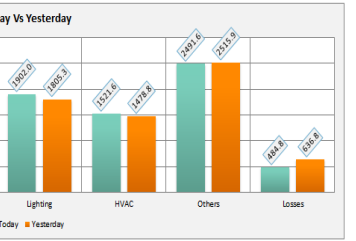
HVAC	Today	Yesterday	Over/Under
Chiller-1	570.6	576.2	▽
Chiller-2	443.8	390.5	△
Chiller-3	507.2	512.1	▽
Total	1521.6	1478.8	△

Others	Today	Yesterday	Over/Under
Others-1	285.3	288.1	▽
Others-2	824.2	832.2	▽
Others-3	760.8	768.2	▽
Others-4	380.4	384.1	▽
Others-5	240.9	243.3	▽
Total	2491.6	2515.9	▽

Comparision Dashboard

	Today	Yesterday	Over/Under
EB	2350.0	2420.0	▽
DG	1410.0	1334.0	△
UPS	2640.0	2682.8	▽
Lighting	1902.0	1805.3	△
HVAC	1521.6	1478.8	△
Others	2491.6	2515.9	▽
Losses	484.8	636.8	▽

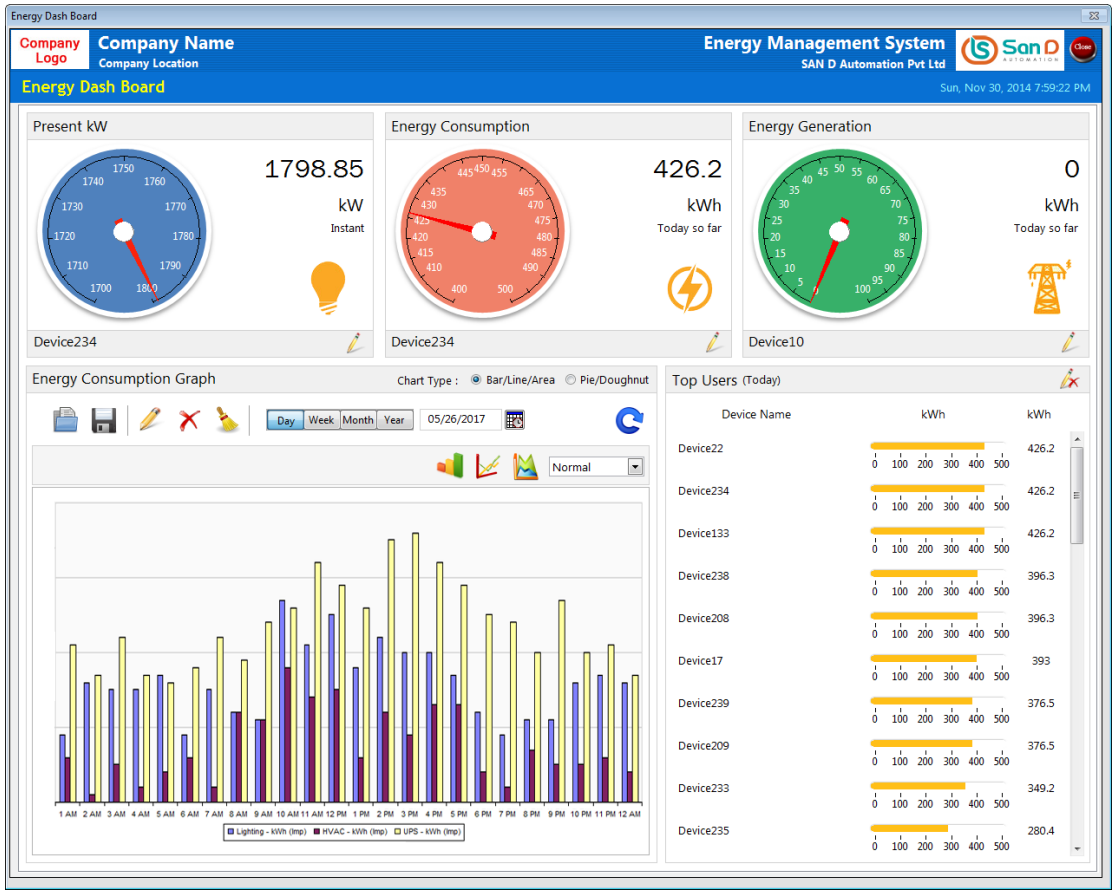




DASHBOARDS

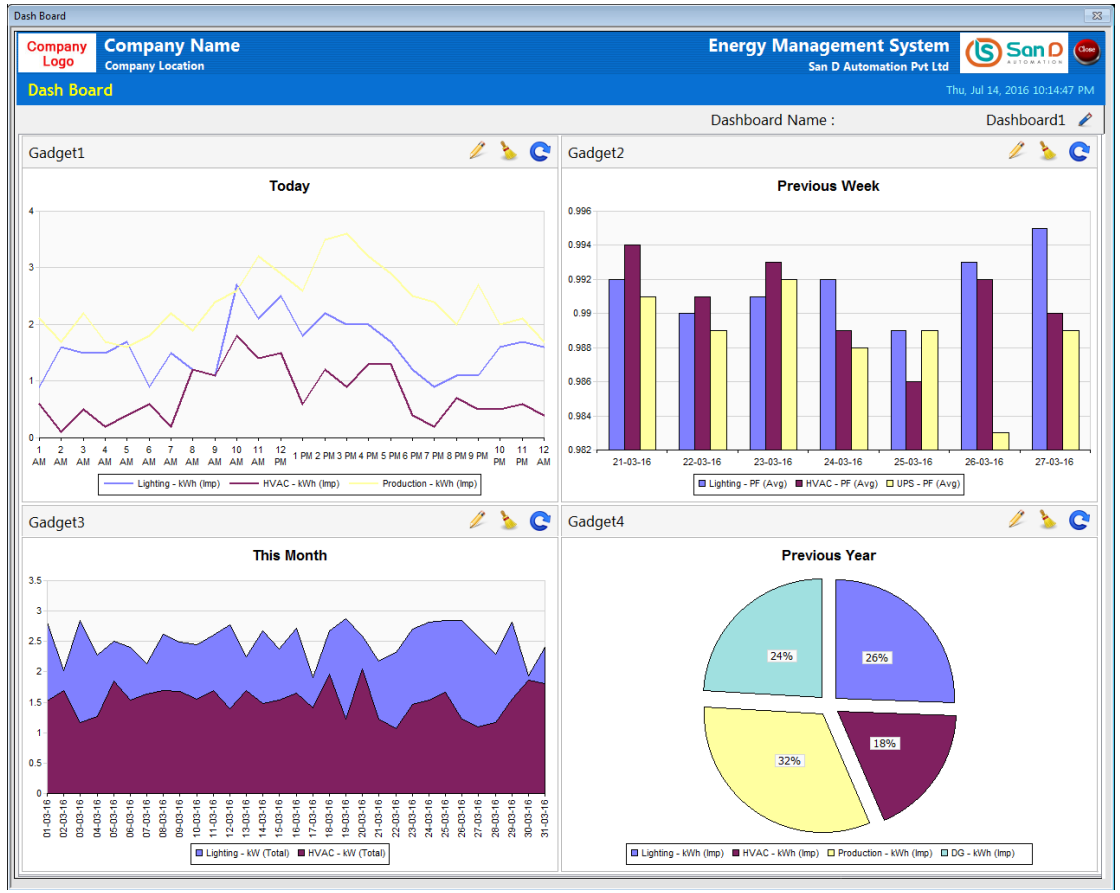
ENERGY DASHBOARD

- Plant Total Load Monitoring.
- Historical Graphs. Grouping for easy access.
- Display of Top Users.



CUSTOM DASHBOARDS

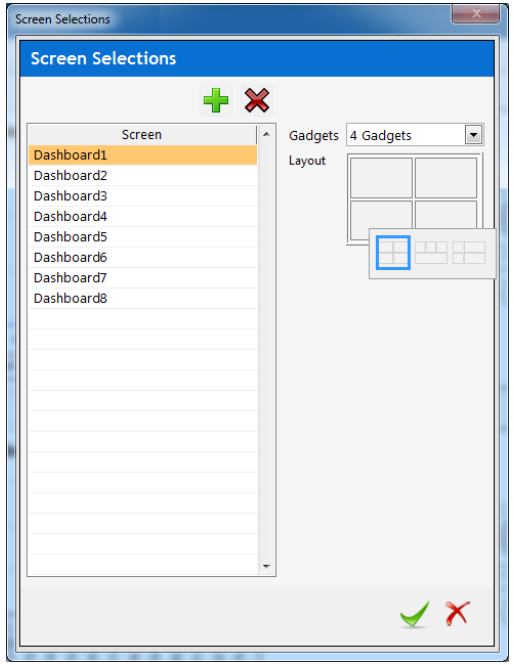
- Creation of Dashboards.
- Layouts and gadgets selection.
- Devices and parameters selection.



DASHBOARDS

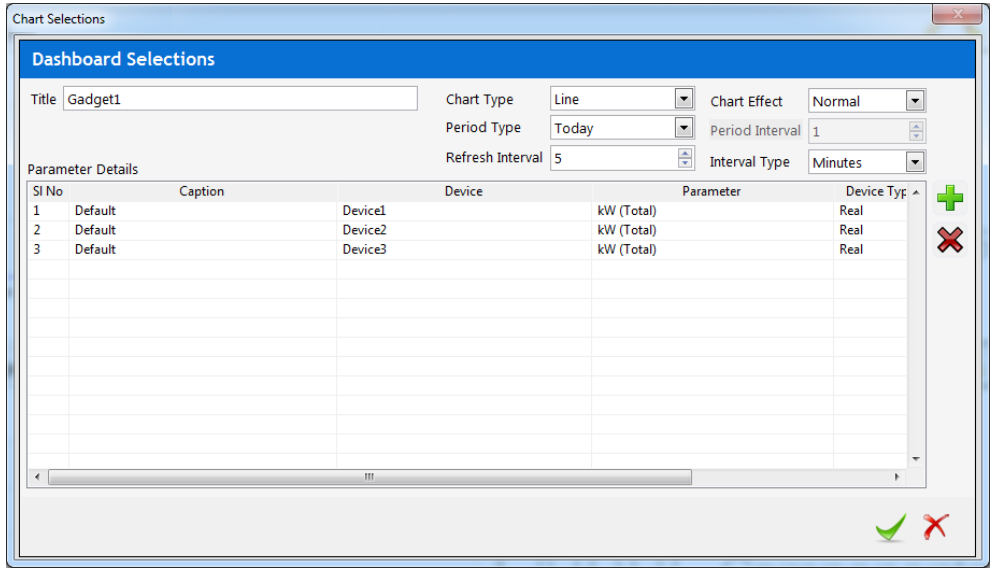
SCREENS

- Creation of Screens.
- Layout Selection.



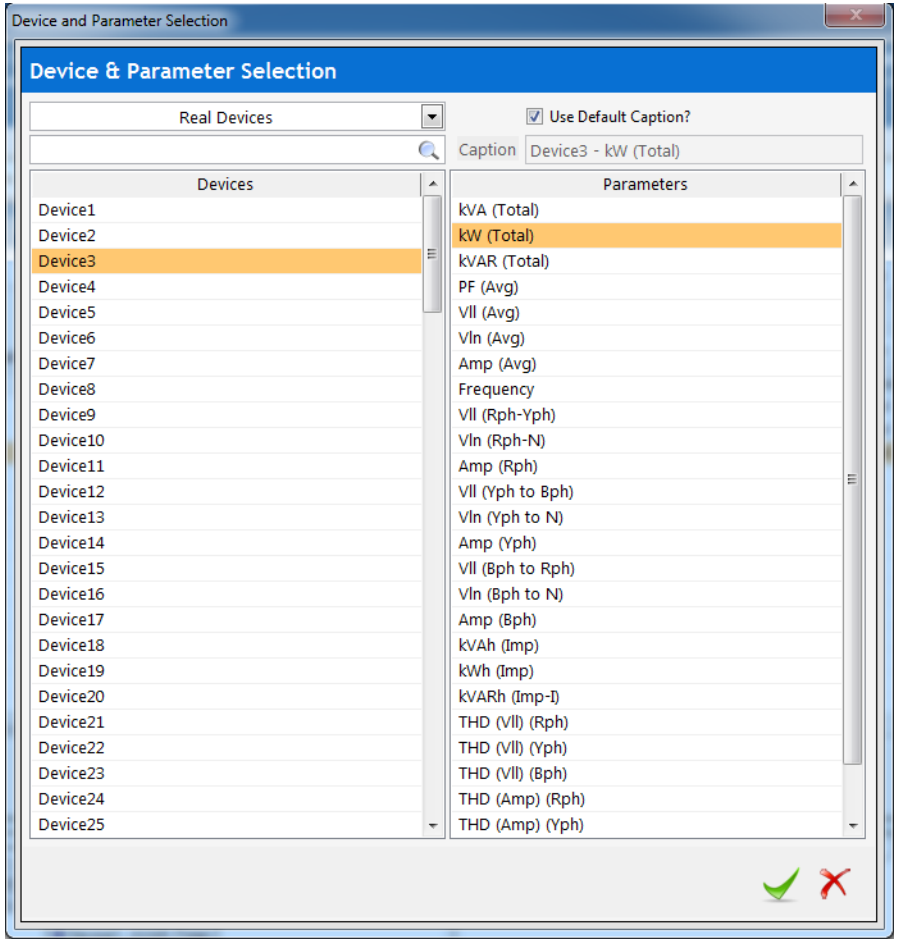
GADGETS

- Creation of Gadgets.
- Gadgets Details Selection.



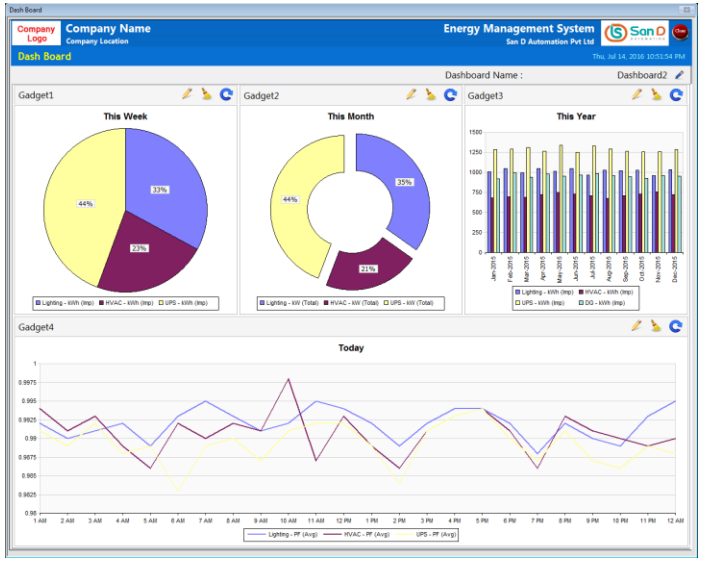
PARAMETERS

- Devices Selection.
- Parameters Selection.

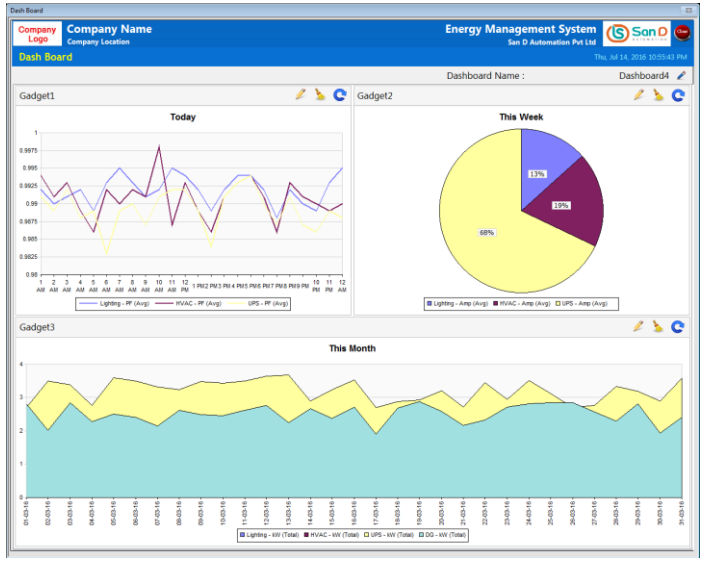


DASHBOARDS

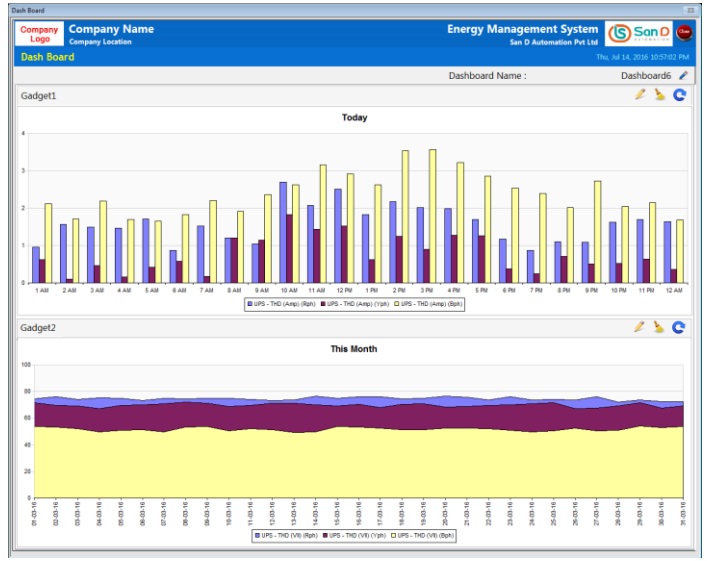
4 GADGETS – LAYOUT2



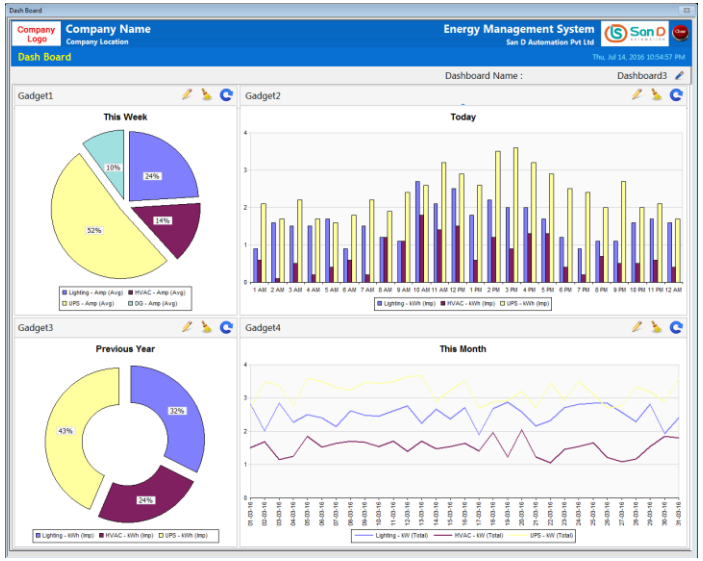
3 GADGETS – LAYOUT1



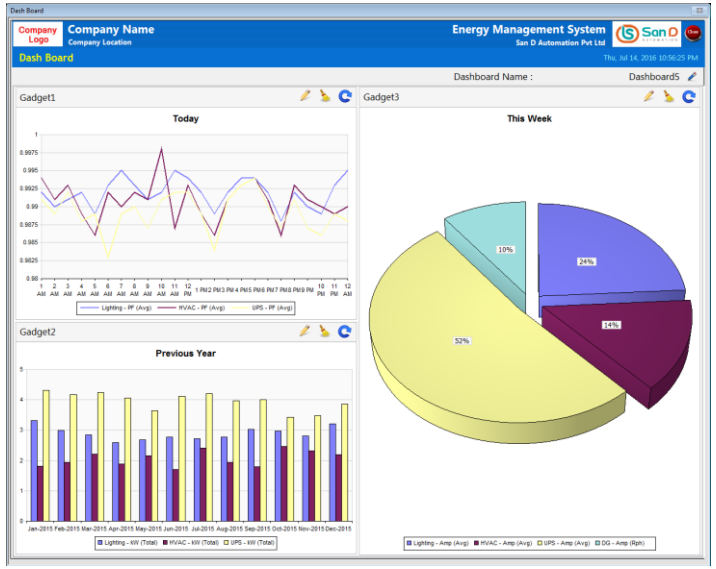
2 GADGETS – LAYOUT1



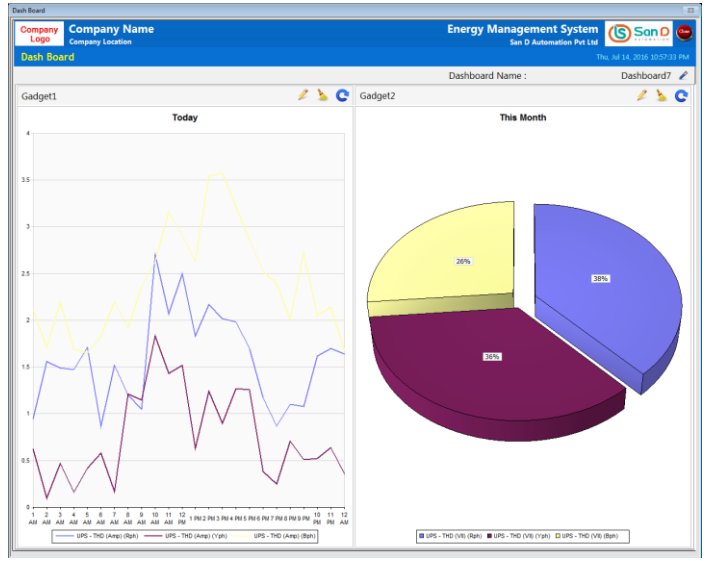
4 GADGETS – LAYOUT3



3 GADGETS – LAYOUT2



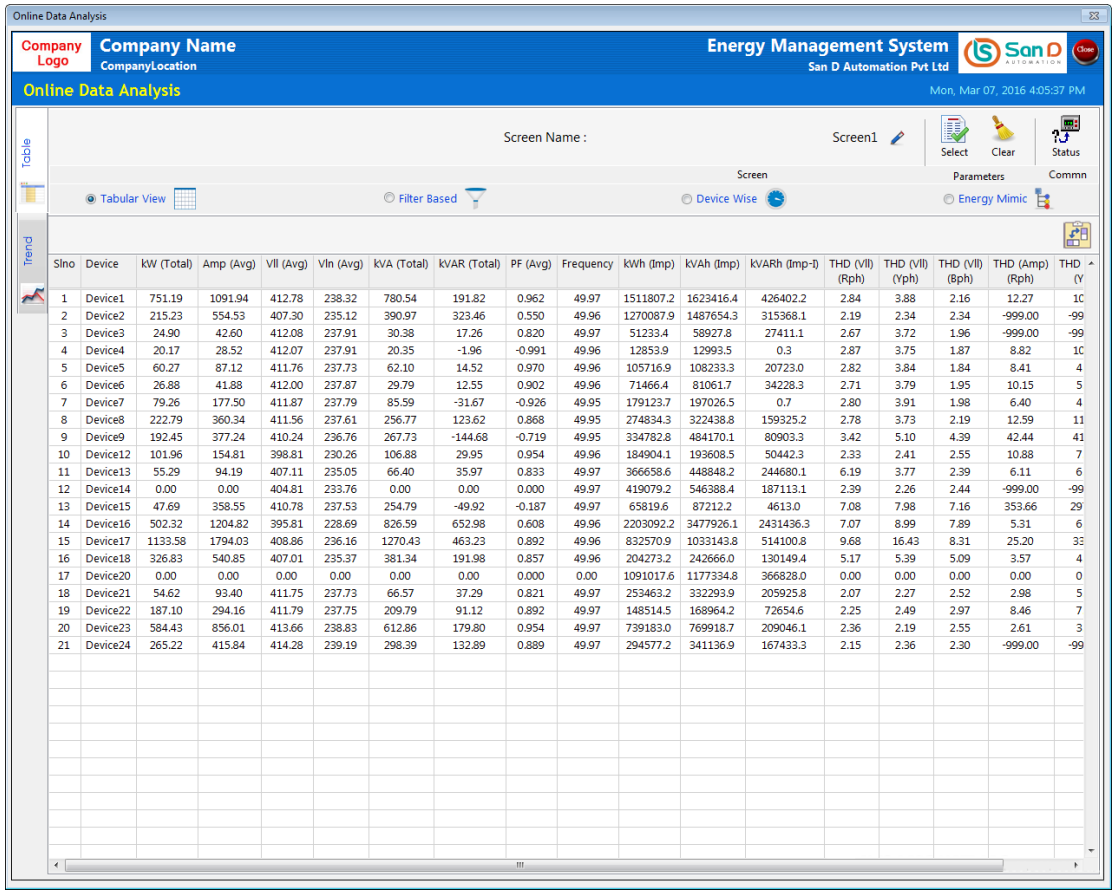
2 GADGETS – LAYOUT2



REAL TIME DATA

TABLE FORMAT

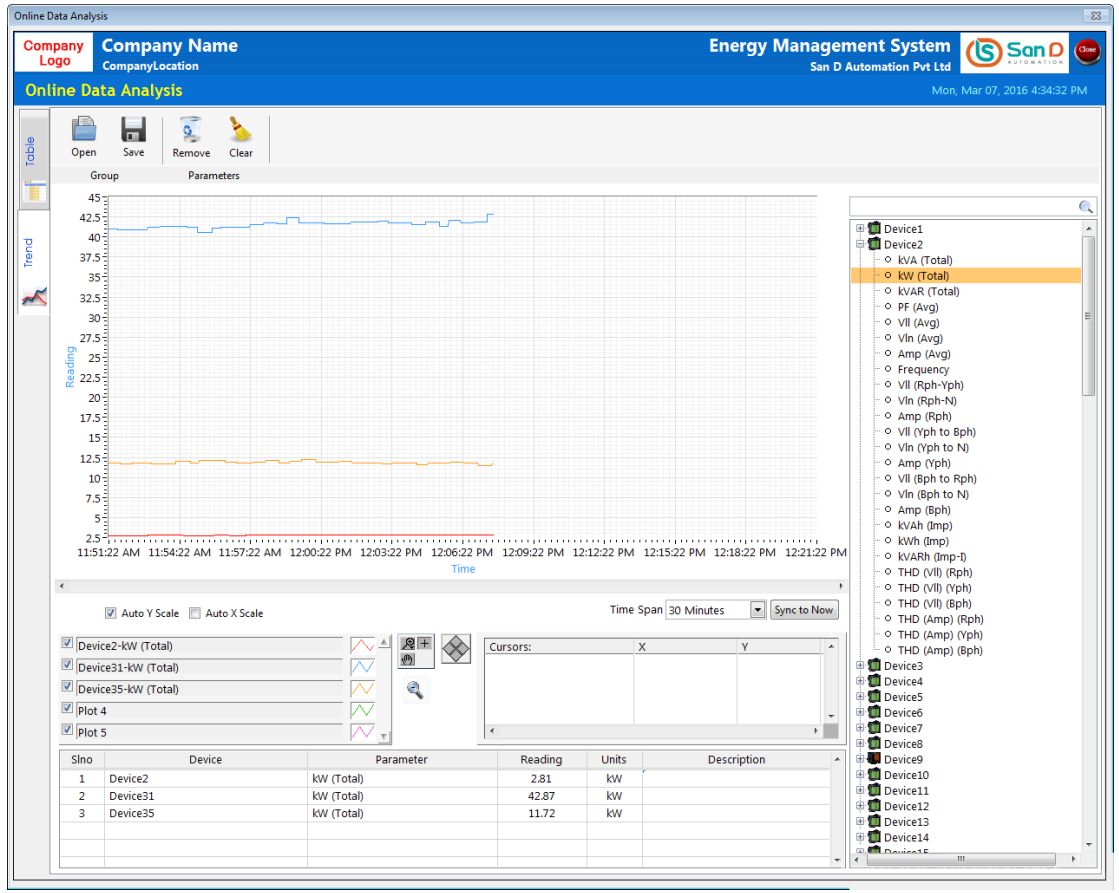
- Screen Creation.
- Devices & Parameters selection as per user needs.
- Transpose view.



Slno	Device	kW (Total)	Amp (Avg)	Vll (Avg)	Vln (Avg)	kVA (Total)	kVAR (Total)	PF (Avg)	Frequency	kWh (Imp)	kVAh (Imp)	kVARh (Imp-I)	THD (Vll) (Rph)	THD (Vll) (Yph)	THD (Vll) (Bph)	THD (Amp) (Rph)	THD (Y
1	Device1	751.19	1091.94	412.78	238.32	780.54	191.82	0.962	49.97	1511807.2	1623416.4	426402.2	2.84	3.88	2.16	12.27	10
2	Device2	215.23	554.53	407.30	235.12	390.97	323.46	0.550	49.96	1270087.9	1487654.3	315368.1	2.19	2.34	2.34	-999.00	-99
3	Device3	24.90	42.60	412.08	237.91	30.38	17.26	0.820	49.97	51233.4	58927.8	27411.1	2.67	3.72	1.96	-999.00	-99
4	Device4	20.17	28.52	412.07	237.91	20.35	-1.96	-0.991	49.96	12853.9	12993.5	0.3	2.87	3.75	1.87	8.82	10
5	Device5	60.27	87.12	411.76	237.73	62.10	14.52	0.970	49.96	105716.9	108233.3	20723.0	2.82	3.84	1.84	8.41	4
6	Device6	26.88	41.88	412.00	237.87	29.79	12.55	0.902	49.96	71466.4	81061.7	34228.3	2.71	3.79	1.95	10.15	5
7	Device7	79.26	177.50	411.87	237.79	85.59	-31.67	-0.926	49.95	179123.7	197026.5	0.7	2.80	3.91	1.98	6.40	4
8	Device8	222.79	360.34	411.56	237.61	256.77	123.62	0.868	49.95	274834.3	322438.8	159325.2	2.78	3.73	2.19	12.59	11
9	Device9	192.45	377.24	410.24	236.76	267.73	-144.68	-0.719	49.95	334782.8	484170.1	80903.3	3.42	5.10	4.39	42.44	41
10	Device12	101.96	154.81	398.81	230.26	106.88	29.95	0.954	49.96	184904.1	193608.5	50442.3	2.33	2.41	2.55	10.88	7
11	Device13	55.29	94.19	407.11	235.05	66.40	35.97	0.833	49.97	366658.6	448848.2	244680.1	6.19	3.77	2.39	6.11	6
12	Device14	0.00	0.00	404.81	233.76	0.00	0.00	0.000	49.97	419079.2	546388.4	187113.1	2.39	2.26	2.44	-999.00	-99
13	Device15	47.69	358.55	410.78	237.53	254.79	-49.92	-0.187	49.97	65819.6	87212.2	4613.0	7.08	7.98	7.16	353.66	29
14	Device16	502.32	1204.82	395.81	228.69	826.59	652.98	0.608	49.96	2203092.2	3477926.1	2431436.3	7.07	8.99	7.89	5.31	6
15	Device17	1133.58	1794.03	408.86	236.16	1270.43	463.23	0.892	49.96	832570.9	1033143.8	514100.8	9.68	16.43	8.31	25.20	33
16	Device18	326.83	540.85	407.01	235.37	381.34	191.98	0.857	49.96	204273.2	242666.0	130149.4	5.17	5.39	5.09	3.57	4
17	Device20	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	1091017.6	1177334.8	366828.0	0.00	0.00	0.00	0.00	0
18	Device21	54.62	93.40	411.75	237.73	66.57	37.29	0.821	49.97	253463.2	332293.9	205925.8	2.07	2.27	2.52	2.98	5
19	Device22	187.10	294.16	411.79	237.75	209.79	91.12	0.892	49.97	148514.5	168964.2	72654.6	2.25	2.49	2.97	8.46	7
20	Device23	584.43	856.01	413.66	238.83	612.86	179.80	0.954	49.97	739183.0	769918.7	209046.1	2.36	2.19	2.55	2.61	3
21	Device24	265.22	415.84	414.28	239.19	298.39	132.89	0.889	49.97	294577.2	341136.9	167433.3	2.15	2.36	2.30	-999.00	-99

GRAPHS

- Parameters selection by Drag & Drop.
- Modification of Trend Properties, Scales.
- Grouping of parameters for easy access.



Slno	Device	Parameter	Reading	Units	Description
1	Device2	kW (Total)	2.81	kW	
2	Device31	kW (Total)	42.87	kW	
3	Device35	kW (Total)	11.72	kW	

REAL TIME DATA

SCREENS

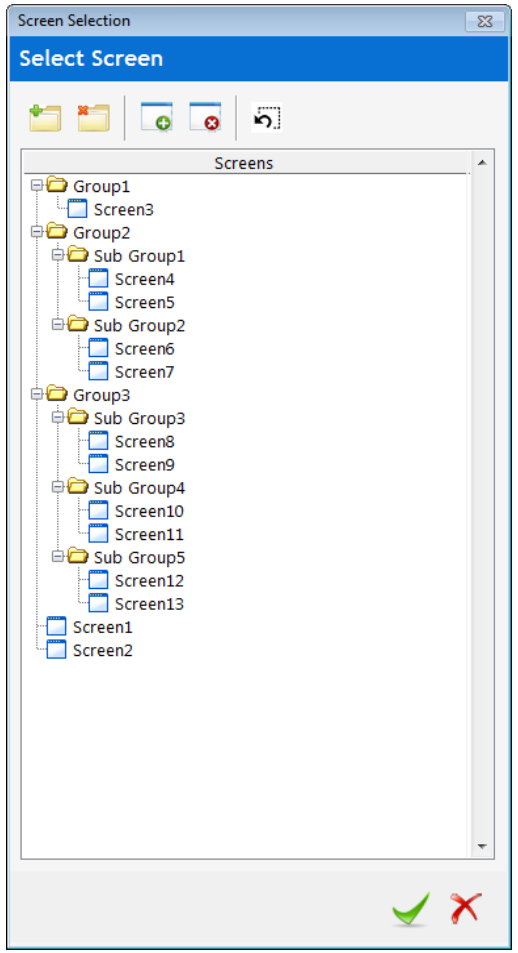
- Defining Screens.
- Defining Groups/Sections.

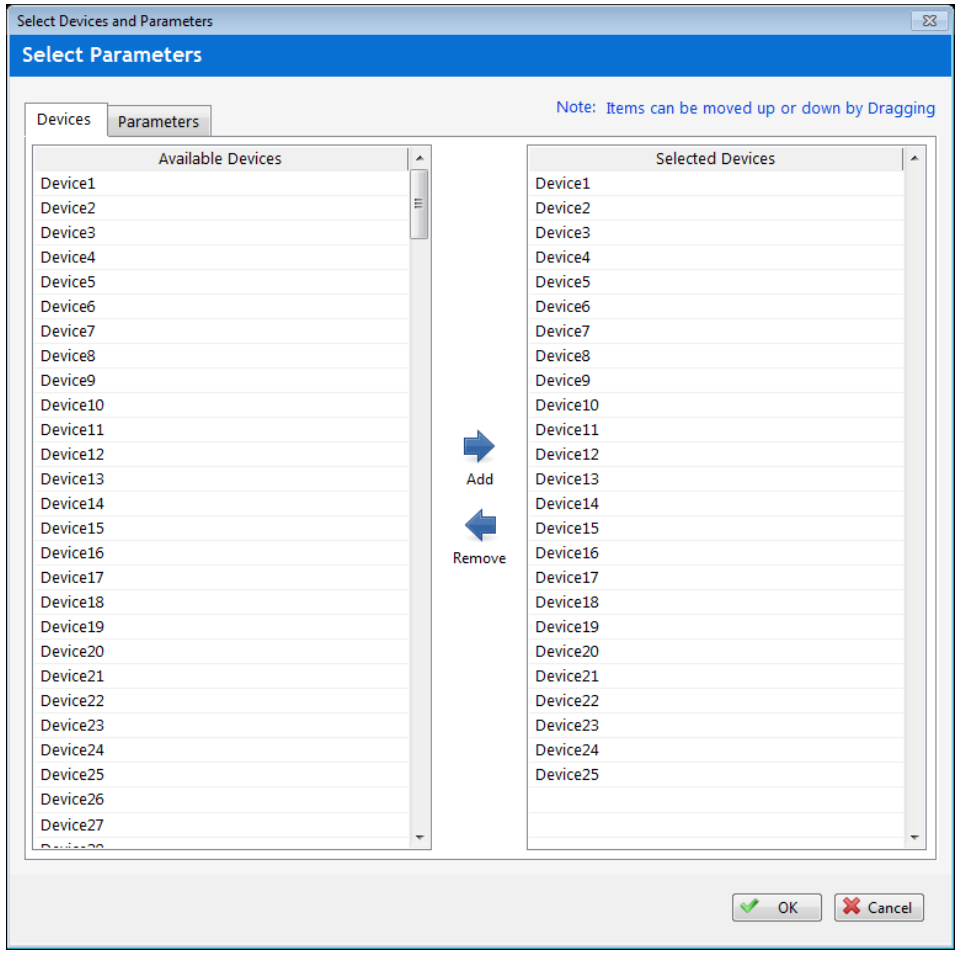
DEVICES

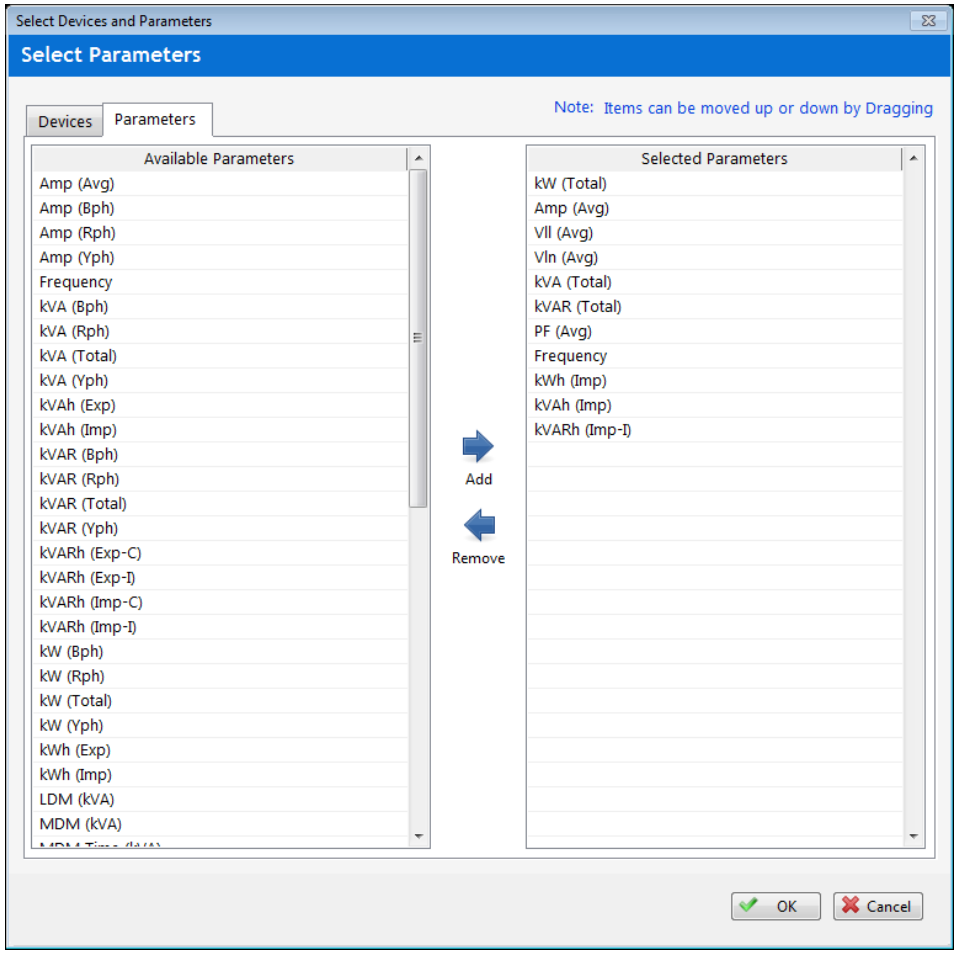
- Devices Selection.
- Multiple devices selection at a time.

PARAMETERS

- Parameters Selection.
- Multiple parameters selection at a time.



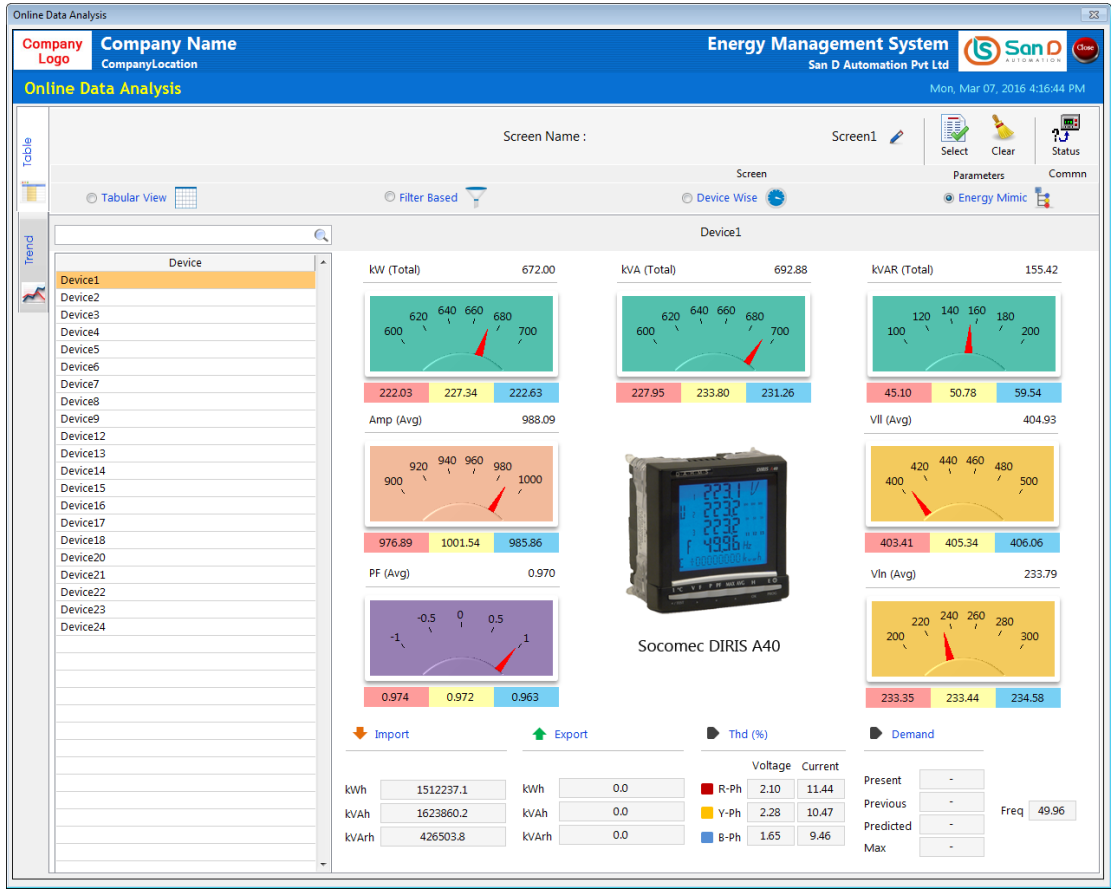




REAL TIME DATA

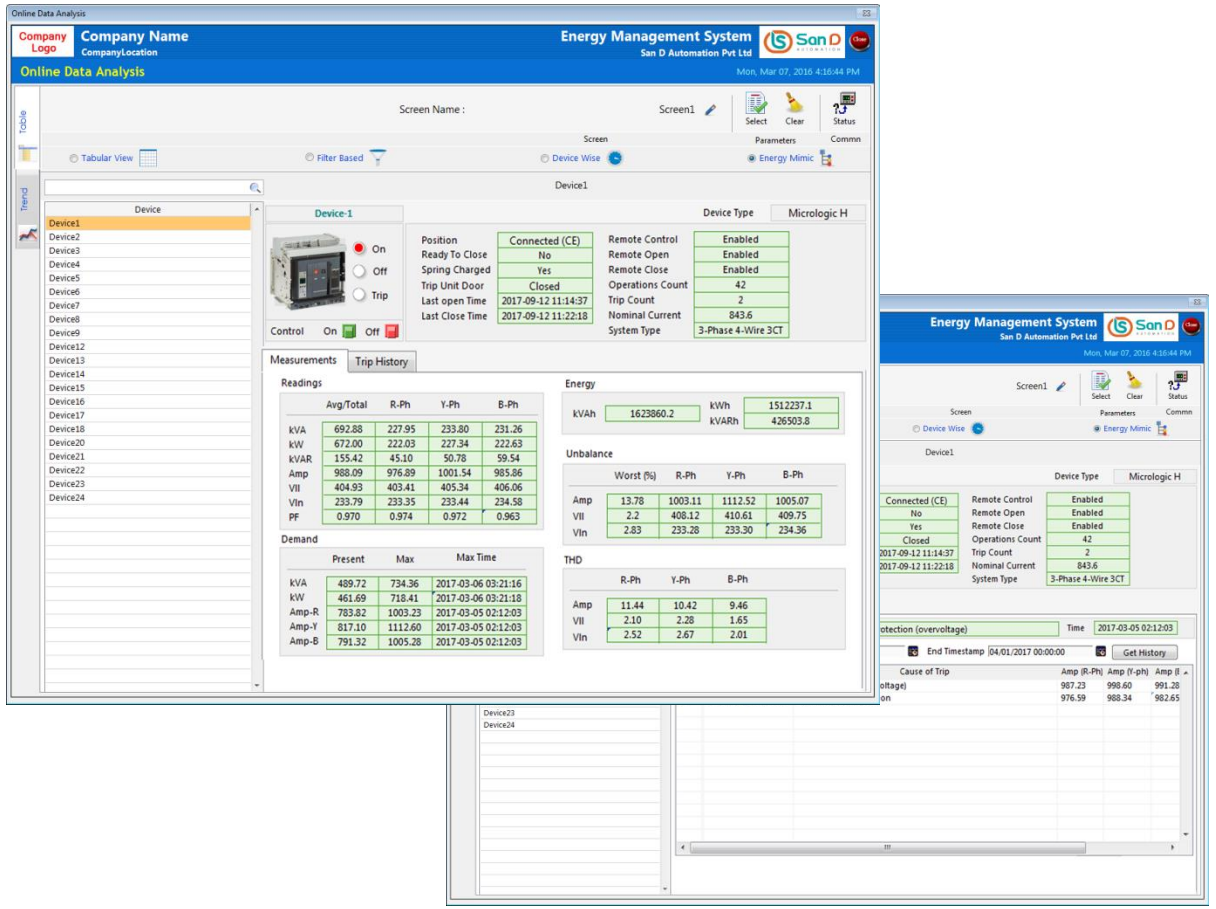
ENERGY MIMICS

- All phase wise parameters display.
- Import, Export, THD, Demand parameters display.
- Representation in dial controls.



BREAKERS MIMICS

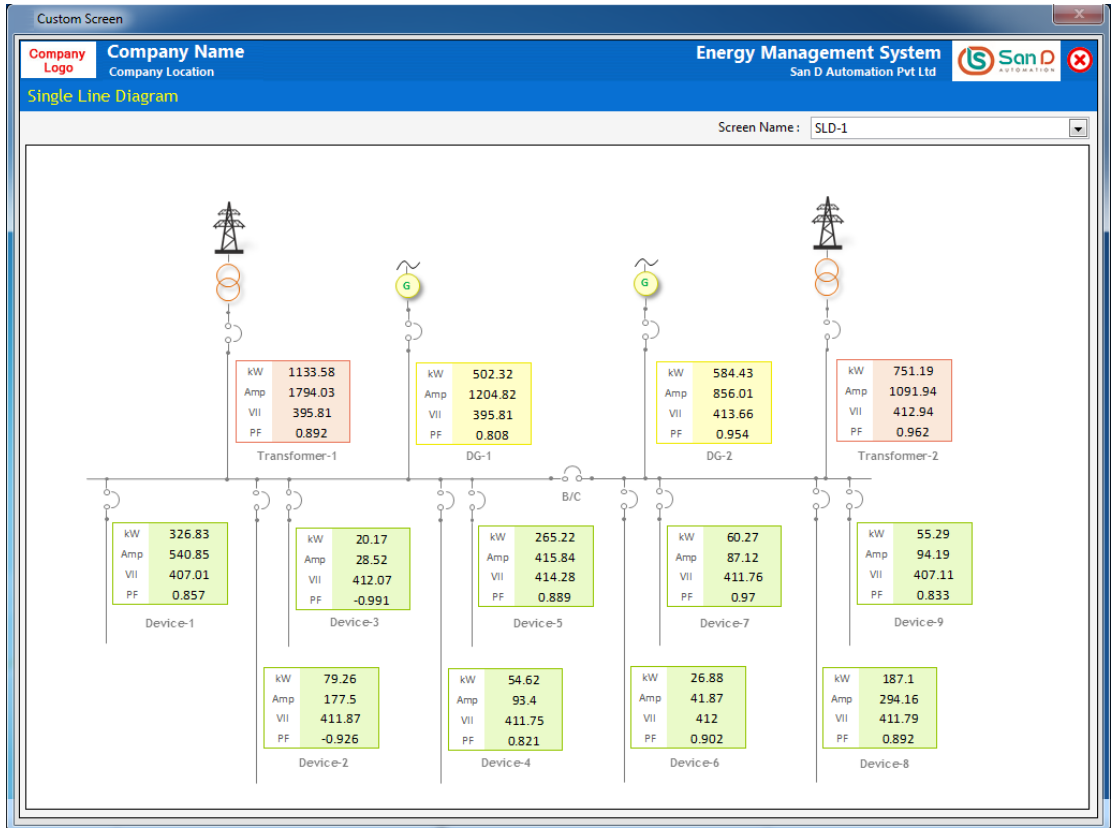
- Status monitoring.
- Control breaker remotely.
- Measurement parameters display.
- Trip history.



REAL TIME DATA

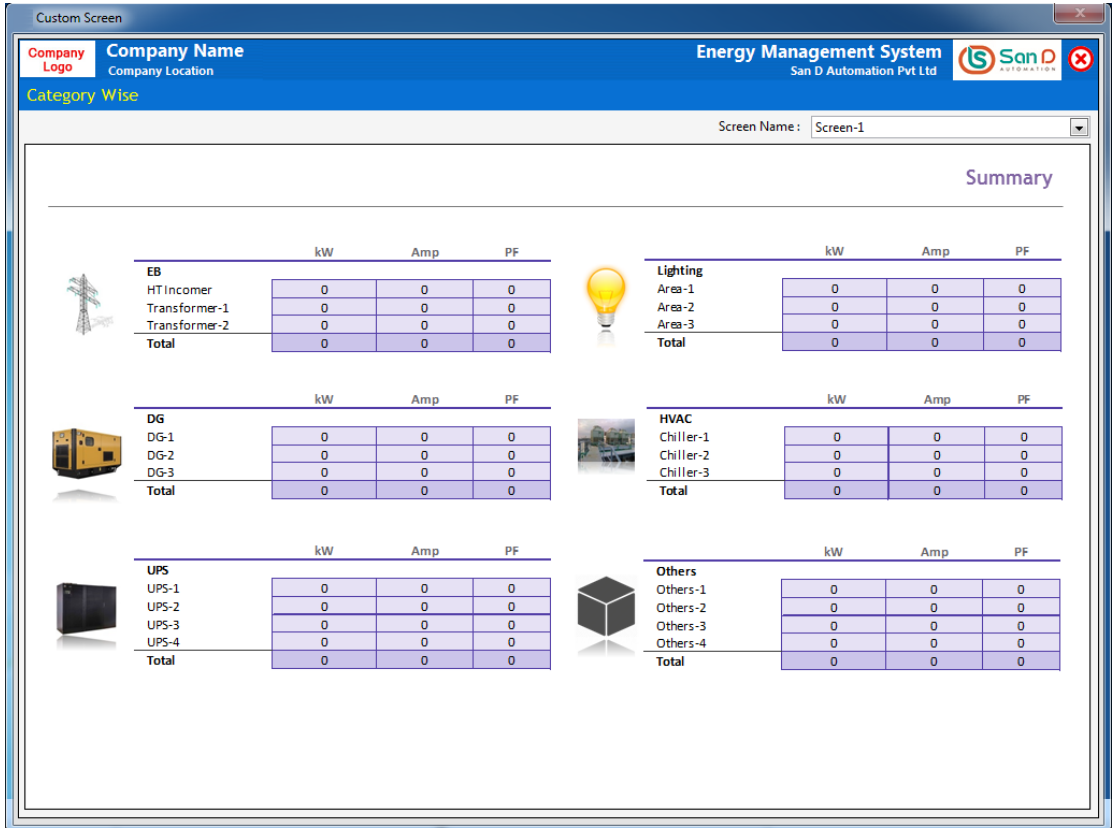
SINGLE LINE DIAGRAM

- SLDs as per user plant architecture.
- Custom screens as per user needs.



CATEGORY WISE

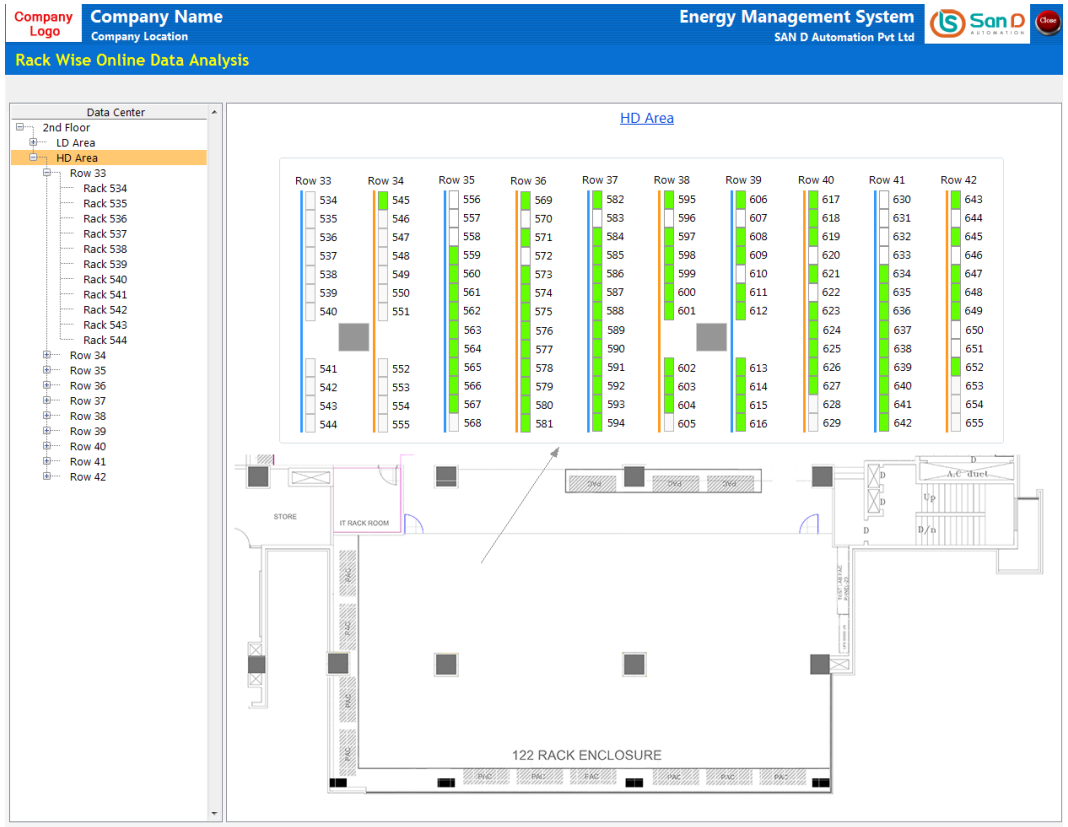
- Category wise screens as per user needs.



SYSTEM SCREENS

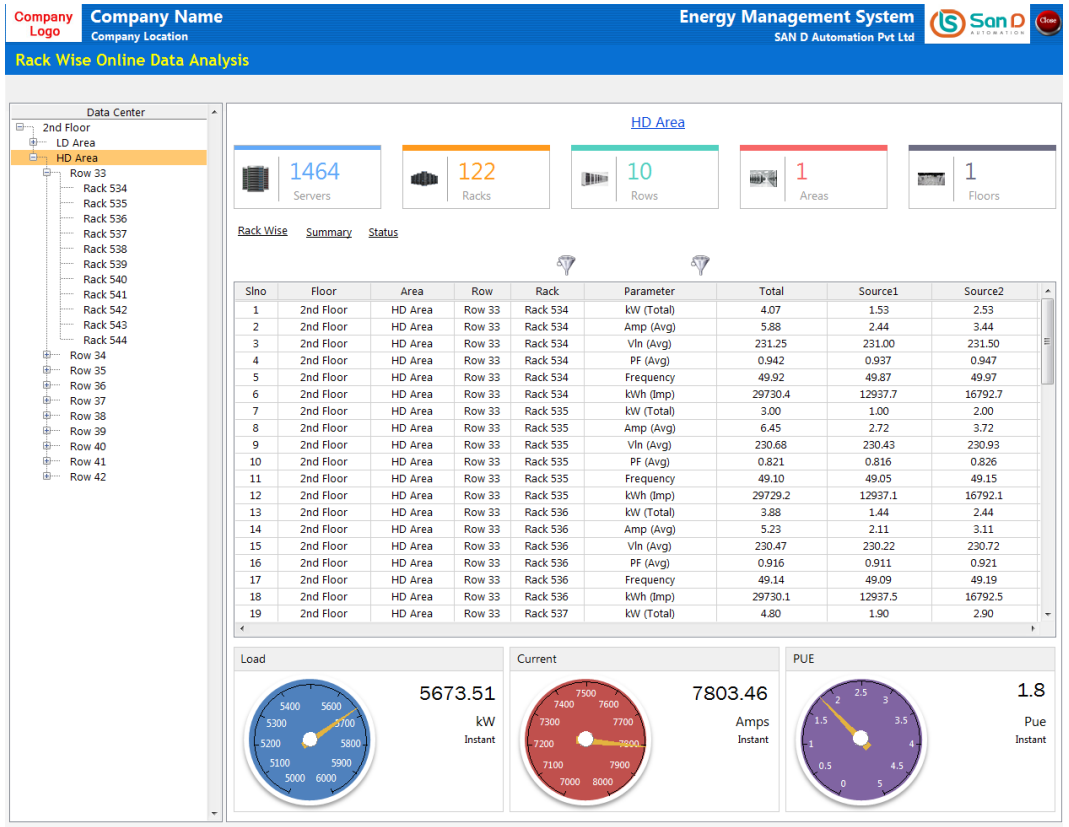
DATA CENTER

- Physical layout representation.
- Load details as per the layout.



DATA CENTER

- Rack wise, Area wise data monitoring.
- Installed server details.
- Custom information (PUE etc.)



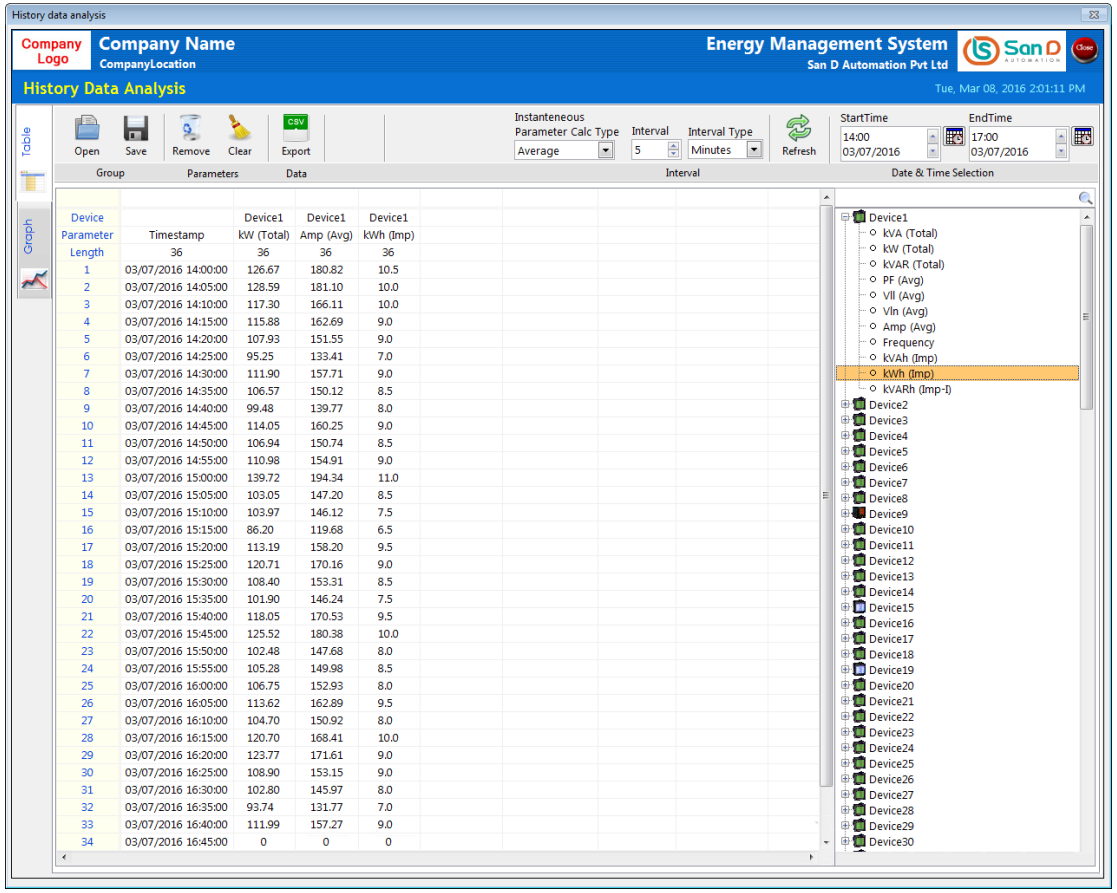
HISTORICAL DATA

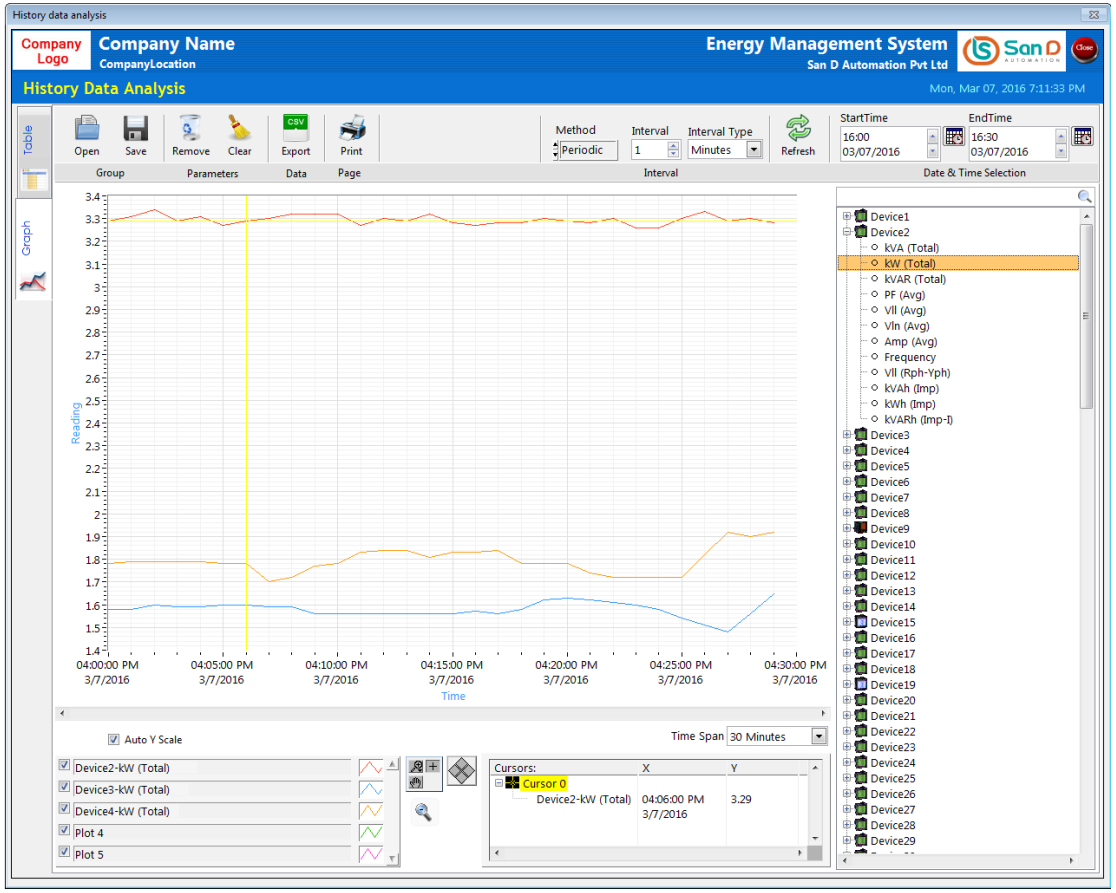
TABLE FORMAT

- Parameters selection by Drag & Drop.
- Date & Time, Interval selection.
- Grouping of parameters for easy access.
- Export Data.

GRAPHS

- Parameters selection by Drag & Drop.
- Date & Time, Interval selection.
- Grouping of parameters for easy access.
- Modification of Trend Properties, Scales.
- Cursors creation.
- Export Data.
- Print Graphs.
- Zoom in & out.

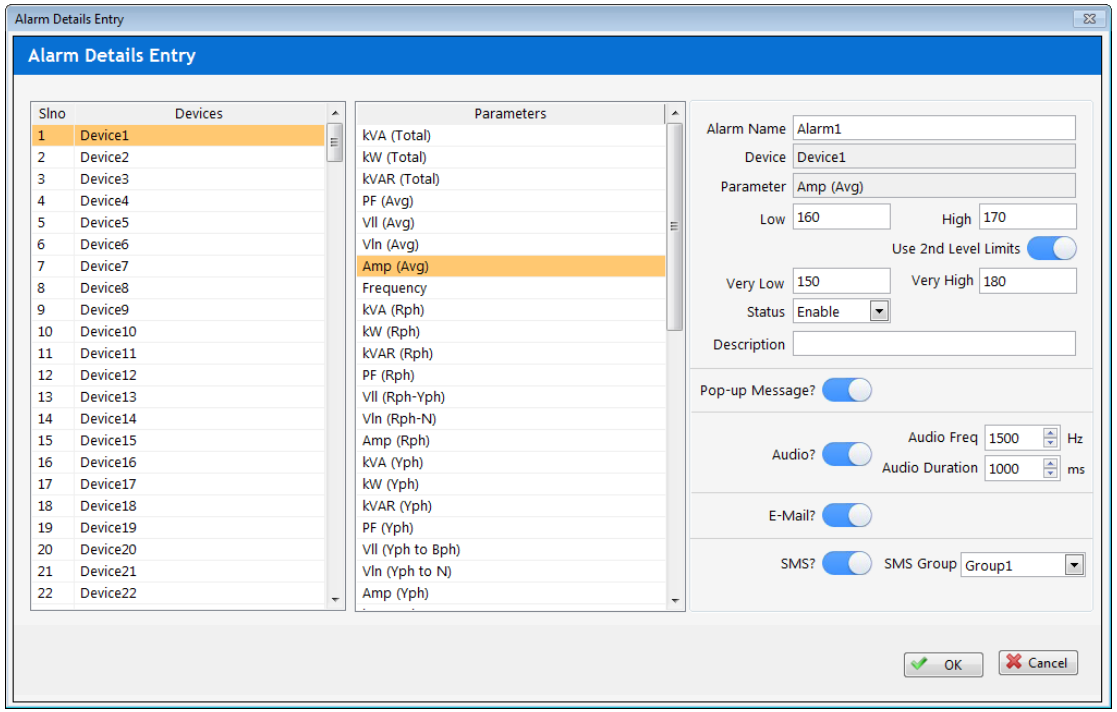




ALARMS

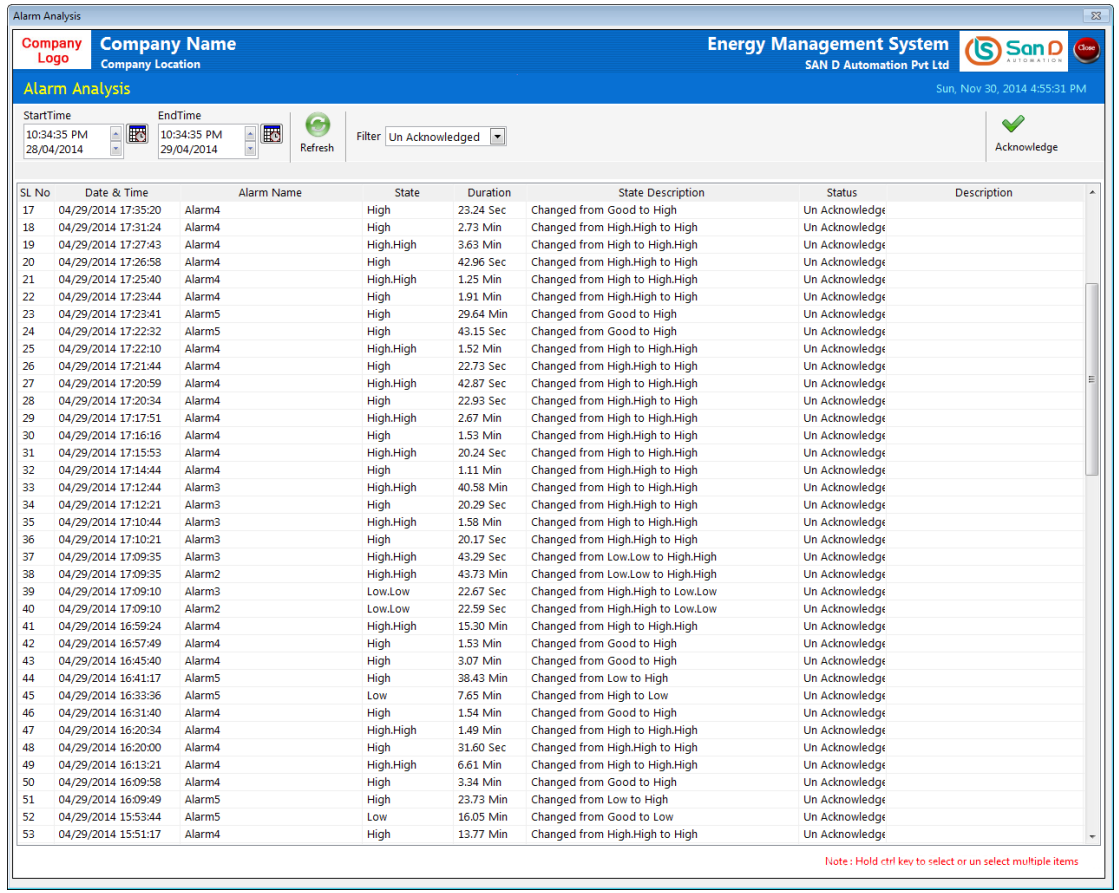
ALARMS CREATION

- Define alarms.
- Set & modify alarm limits up to 4 levels.
- Alarms indication selection (Popup, Audio, e-Mail, SMS).



ALARMS ANALYSIS

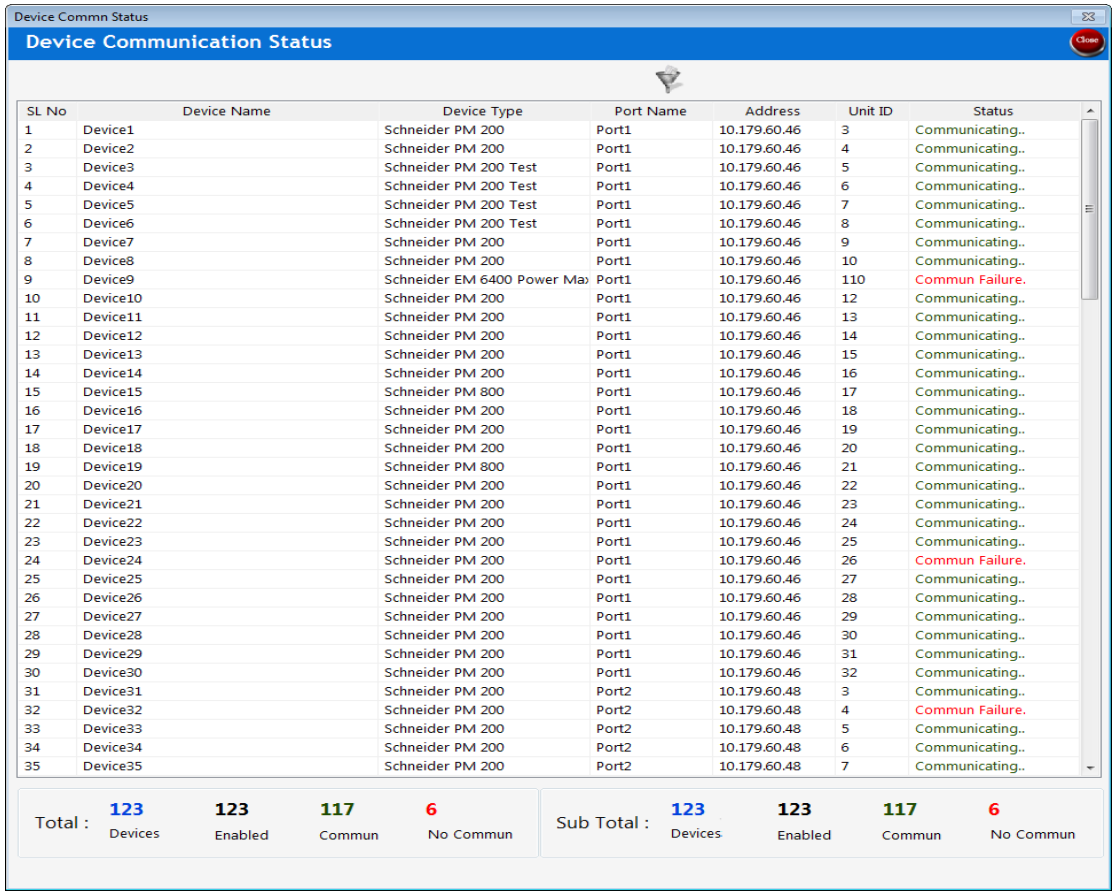
- View generated alarms.
- Acknowledge alarms.
- Date & Time selection.



MISCE

DEVICE COMMUNICATION STATUS

- Devices communication status display.
- Filter devices by ports.
- Communication statistics display.

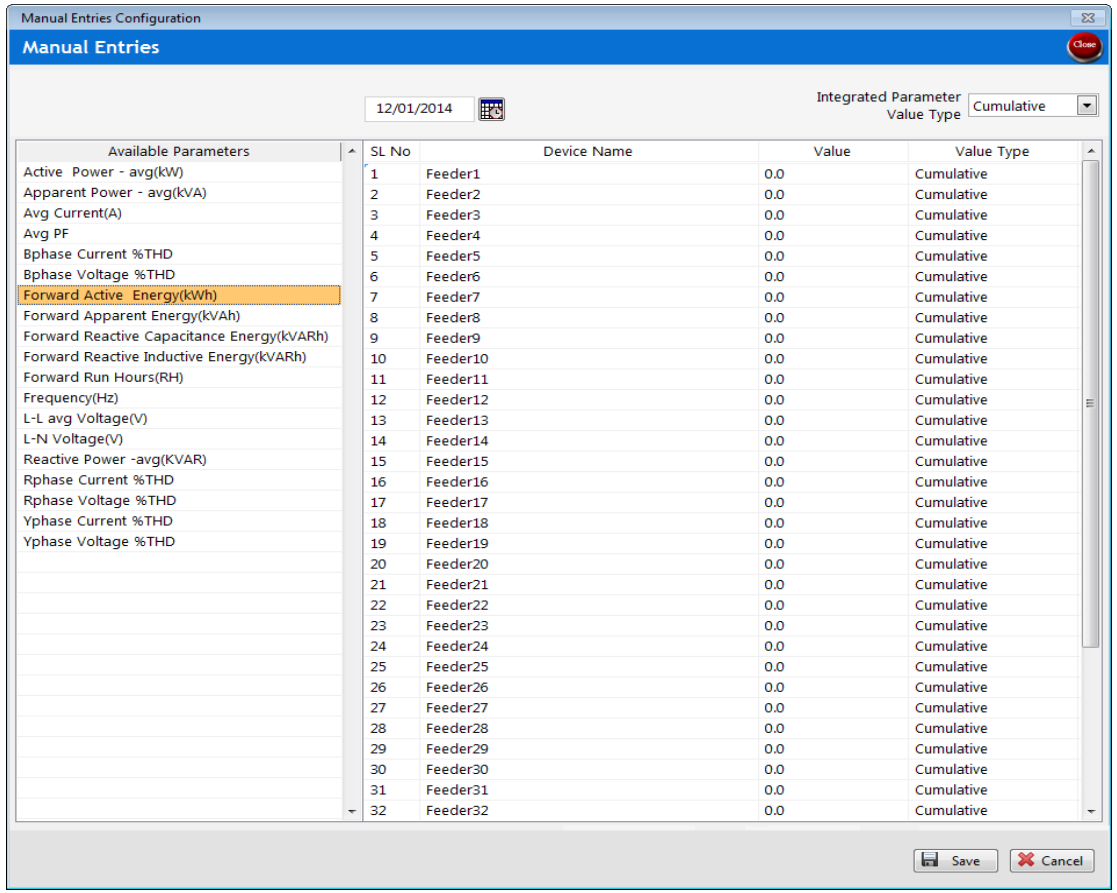


SL No	Device Name	Device Type	Port Name	Address	Unit ID	Status
1	Device1	Schneider PM 200	Port1	10.179.60.46	3	Communicating..
2	Device2	Schneider PM 200	Port1	10.179.60.46	4	Communicating..
3	Device3	Schneider PM 200 Test	Port1	10.179.60.46	5	Communicating..
4	Device4	Schneider PM 200 Test	Port1	10.179.60.46	6	Communicating..
5	Device5	Schneider PM 200 Test	Port1	10.179.60.46	7	Communicating..
6	Device6	Schneider PM 200 Test	Port1	10.179.60.46	8	Communicating..
7	Device7	Schneider PM 200	Port1	10.179.60.46	9	Communicating..
8	Device8	Schneider PM 200	Port1	10.179.60.46	10	Communicating..
9	Device9	Schneider EM 6400 Power Ma	Port1	10.179.60.46	110	Commun Failure.
10	Device10	Schneider PM 200	Port1	10.179.60.46	12	Communicating..
11	Device11	Schneider PM 200	Port1	10.179.60.46	13	Communicating..
12	Device12	Schneider PM 200	Port1	10.179.60.46	14	Communicating..
13	Device13	Schneider PM 200	Port1	10.179.60.46	15	Communicating..
14	Device14	Schneider PM 200	Port1	10.179.60.46	16	Communicating..
15	Device15	Schneider PM 800	Port1	10.179.60.46	17	Communicating..
16	Device16	Schneider PM 200	Port1	10.179.60.46	18	Communicating..
17	Device17	Schneider PM 200	Port1	10.179.60.46	19	Communicating..
18	Device18	Schneider PM 200	Port1	10.179.60.46	20	Communicating..
19	Device19	Schneider PM 800	Port1	10.179.60.46	21	Communicating..
20	Device20	Schneider PM 200	Port1	10.179.60.46	22	Communicating..
21	Device21	Schneider PM 200	Port1	10.179.60.46	23	Communicating..
22	Device22	Schneider PM 200	Port1	10.179.60.46	24	Communicating..
23	Device23	Schneider PM 200	Port1	10.179.60.46	25	Communicating..
24	Device24	Schneider PM 200	Port1	10.179.60.46	26	Commun Failure.
25	Device25	Schneider PM 200	Port1	10.179.60.46	27	Communicating..
26	Device26	Schneider PM 200	Port1	10.179.60.46	28	Communicating..
27	Device27	Schneider PM 200	Port1	10.179.60.46	29	Communicating..
28	Device28	Schneider PM 200	Port1	10.179.60.46	30	Communicating..
29	Device29	Schneider PM 200	Port1	10.179.60.46	31	Communicating..
30	Device30	Schneider PM 200	Port1	10.179.60.46	32	Communicating..
31	Device31	Schneider PM 200	Port2	10.179.60.48	3	Communicating..
32	Device32	Schneider PM 200	Port2	10.179.60.48	4	Commun Failure.
33	Device33	Schneider PM 200	Port2	10.179.60.48	5	Communicating..
34	Device34	Schneider PM 200	Port2	10.179.60.48	6	Communicating..
35	Device35	Schneider PM 200	Port2	10.179.60.48	7	Communicating..

Total :	123	Devices	123	Enabled	117	Commun	6	No Commun
Sub Total :	123	Devices	123	Enabled	117	Commun	6	No Commun

MANUAL ENTRIES

- Manual entries on daily basis.
- Integrated parameters can be entered as reading / cumulative value.

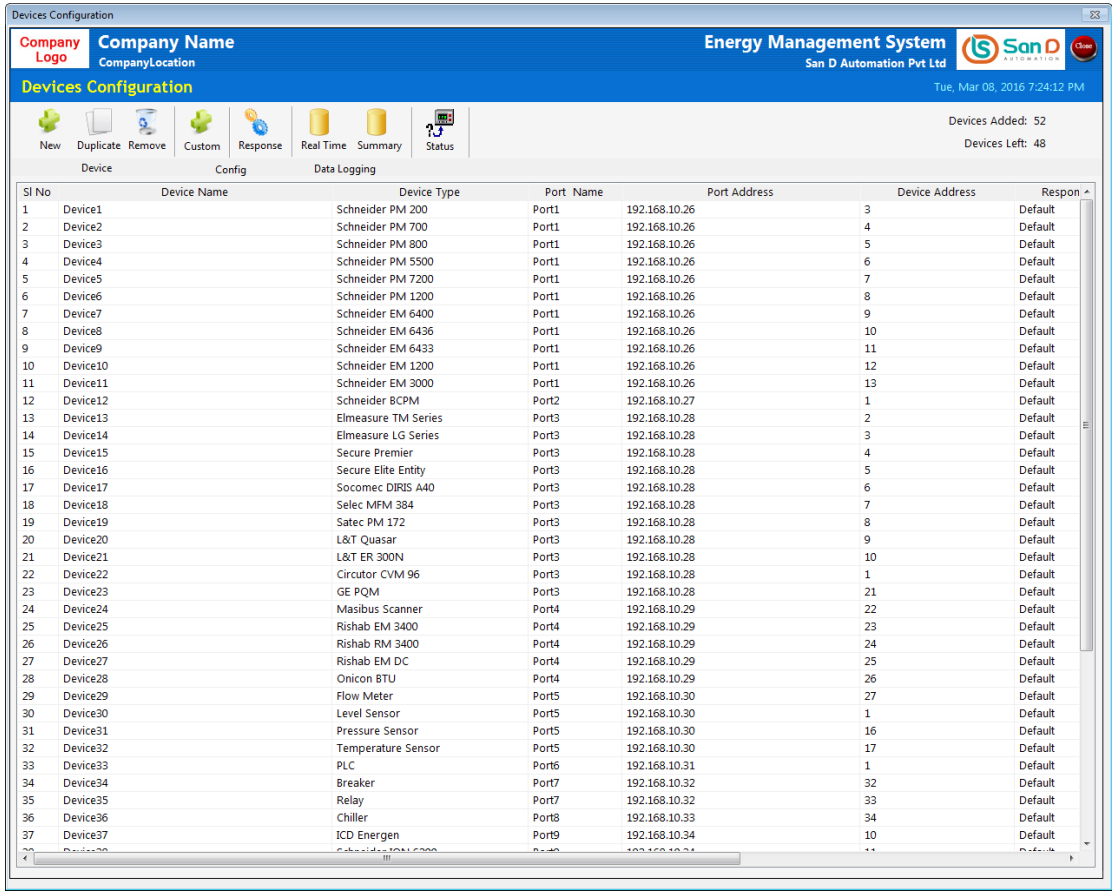


SL No	Device Name	Value	Value Type
1	Feeder1	0.0	Cumulative
2	Feeder2	0.0	Cumulative
3	Feeder3	0.0	Cumulative
4	Feeder4	0.0	Cumulative
5	Feeder5	0.0	Cumulative
6	Feeder6	0.0	Cumulative
7	Feeder7	0.0	Cumulative
8	Feeder8	0.0	Cumulative
9	Feeder9	0.0	Cumulative
10	Feeder10	0.0	Cumulative
11	Feeder11	0.0	Cumulative
12	Feeder12	0.0	Cumulative
13	Feeder13	0.0	Cumulative
14	Feeder14	0.0	Cumulative
15	Feeder15	0.0	Cumulative
16	Feeder16	0.0	Cumulative
17	Feeder17	0.0	Cumulative
18	Feeder18	0.0	Cumulative
19	Feeder19	0.0	Cumulative
20	Feeder20	0.0	Cumulative
21	Feeder21	0.0	Cumulative
22	Feeder22	0.0	Cumulative
23	Feeder23	0.0	Cumulative
24	Feeder24	0.0	Cumulative
25	Feeder25	0.0	Cumulative
26	Feeder26	0.0	Cumulative
27	Feeder27	0.0	Cumulative
28	Feeder28	0.0	Cumulative
29	Feeder29	0.0	Cumulative
30	Feeder30	0.0	Cumulative
31	Feeder31	0.0	Cumulative
32	Feeder32	0.0	Cumulative

DEVICES CONFIGURATION

CONFIGURATIONS

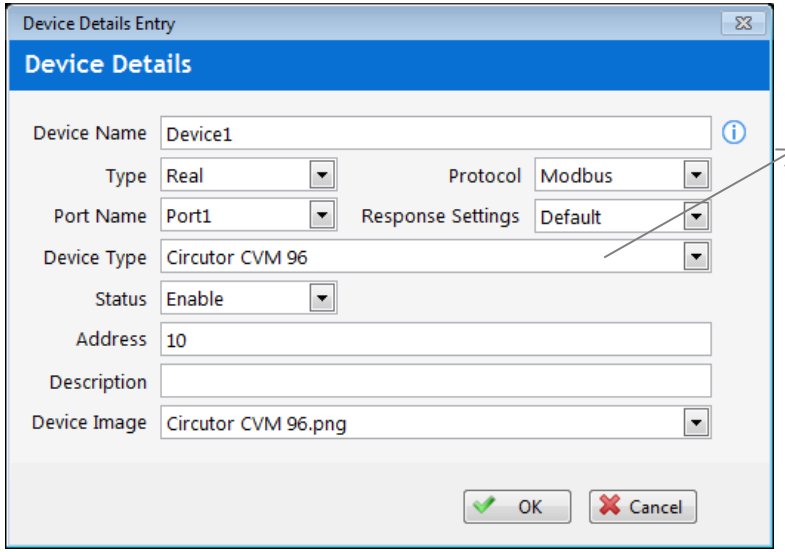
- Define Modbus, BACnet, Opc, Custom devices.
- Multiple devices creation by duplicating.
- Data logging configuration.

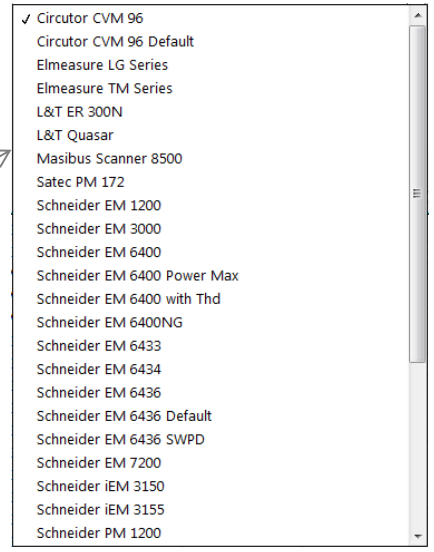


Sl No	Device Name	Device Type	Port Name	Port Address	Device Address	Respon
1	Device1	Schneider PM 200	Port1	192.168.10.26	3	Default
2	Device2	Schneider PM 700	Port1	192.168.10.26	4	Default
3	Device3	Schneider PM 800	Port1	192.168.10.26	5	Default
4	Device4	Schneider PM 5500	Port1	192.168.10.26	6	Default
5	Device5	Schneider PM 7200	Port1	192.168.10.26	7	Default
6	Device6	Schneider PM 1200	Port1	192.168.10.26	8	Default
7	Device7	Schneider EM 6400	Port1	192.168.10.26	9	Default
8	Device8	Schneider EM 6436	Port1	192.168.10.26	10	Default
9	Device9	Schneider EM 6433	Port1	192.168.10.26	11	Default
10	Device10	Schneider EM 1200	Port1	192.168.10.26	12	Default
11	Device11	Schneider EM 3000	Port1	192.168.10.26	13	Default
12	Device12	Schneider BCPM	Port2	192.168.10.27	1	Default
13	Device13	Elmeasure TM Series	Port3	192.168.10.28	2	Default
14	Device14	Elmeasure LG Series	Port3	192.168.10.28	3	Default
15	Device15	Secure Premier	Port3	192.168.10.28	4	Default
16	Device16	Secure Elite Entity	Port3	192.168.10.28	5	Default
17	Device17	Socomec DIRIS A40	Port3	192.168.10.28	6	Default
18	Device18	Selec MFM 384	Port3	192.168.10.28	7	Default
19	Device19	Satec PM 172	Port3	192.168.10.28	8	Default
20	Device20	L&T Quasar	Port3	192.168.10.28	9	Default
21	Device21	L&T ER 300N	Port3	192.168.10.28	10	Default
22	Device22	Circutor CVM 96	Port3	192.168.10.28	1	Default
23	Device23	GE PQM	Port3	192.168.10.28	21	Default
24	Device24	Masibus Scanner	Port4	192.168.10.29	22	Default
25	Device25	Rishab EM 3400	Port4	192.168.10.29	23	Default
26	Device26	Rishab RM 3400	Port4	192.168.10.29	24	Default
27	Device27	Rishab EM DC	Port4	192.168.10.29	25	Default
28	Device28	Onicon BTU	Port4	192.168.10.29	26	Default
29	Device29	Flow Meter	Port5	192.168.10.30	27	Default
30	Device30	Level Sensor	Port5	192.168.10.30	1	Default
31	Device31	Pressure Sensor	Port5	192.168.10.30	16	Default
32	Device32	Temperature Sensor	Port5	192.168.10.30	17	Default
33	Device33	PLC	Port6	192.168.10.31	1	Default
34	Device34	Breaker	Port7	192.168.10.32	32	Default
35	Device35	Relay	Port7	192.168.10.32	33	Default
36	Device36	Chiller	Port8	192.168.10.33	34	Default
37	Device37	ICD Energen	Port9	192.168.10.34	10	Default

DEVICE DETAILS ENTRY

- Device name entry.
- Selection of device make & model, interface details.
- Enable and disable devices.

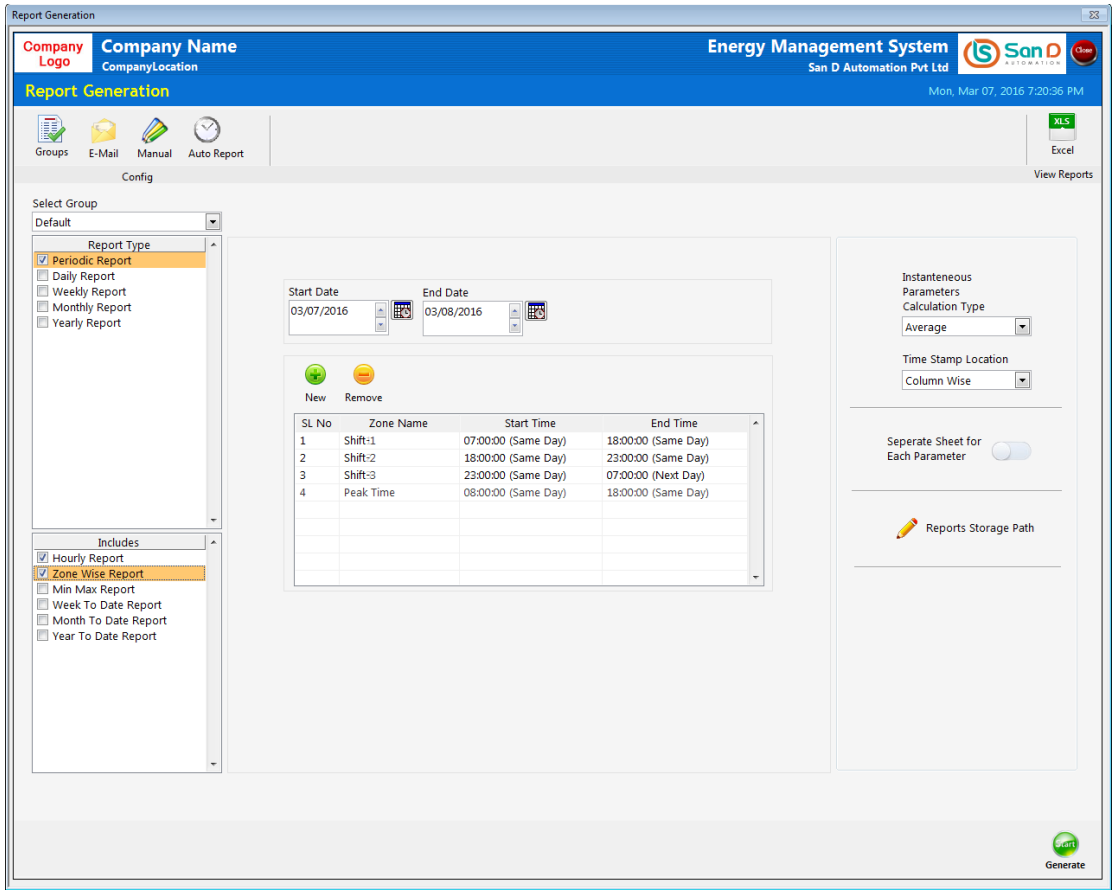




REPORTS

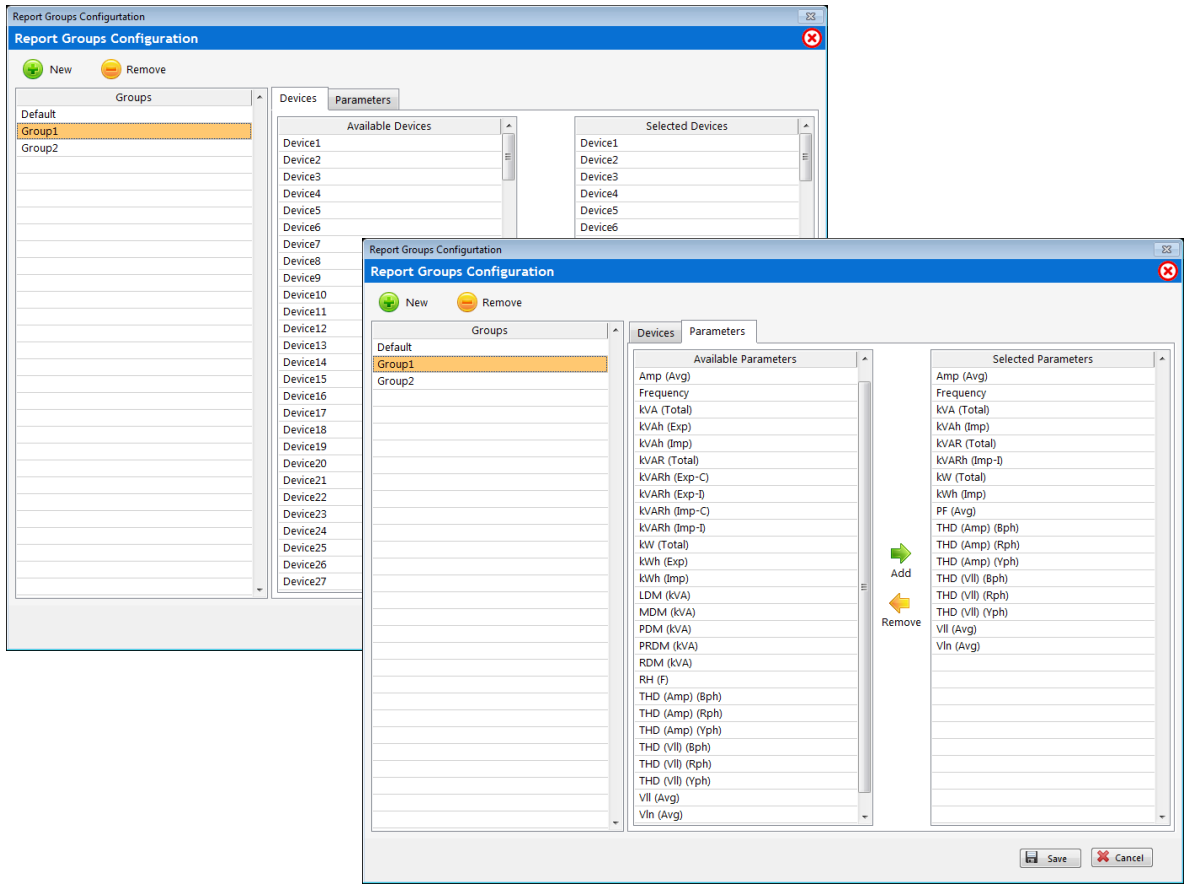
REPORT GENERATION

- Report type, Date & Time, Interval selection.
- Defining different time slots.
- Auto reports scheduling.



GROUPS CREATION

- Define groups.
- Devices and parameters selection.



SAMPLE REPORTS

REPORTS

PERIODIC REPORT

Company Logo

Energy Management System

Company Name

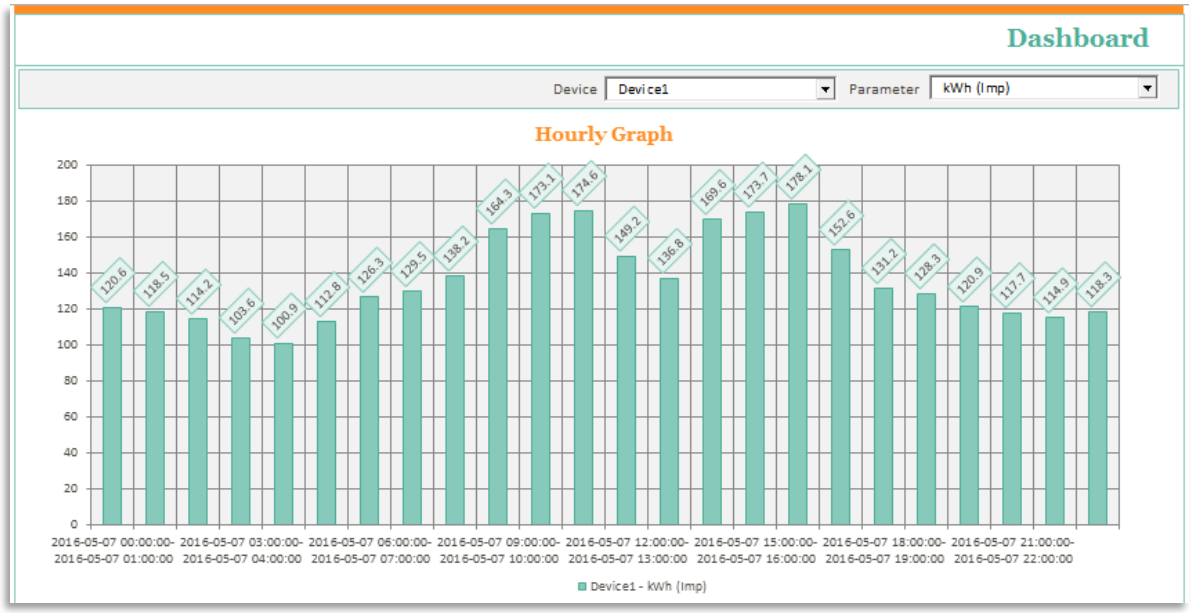
Hourly Report

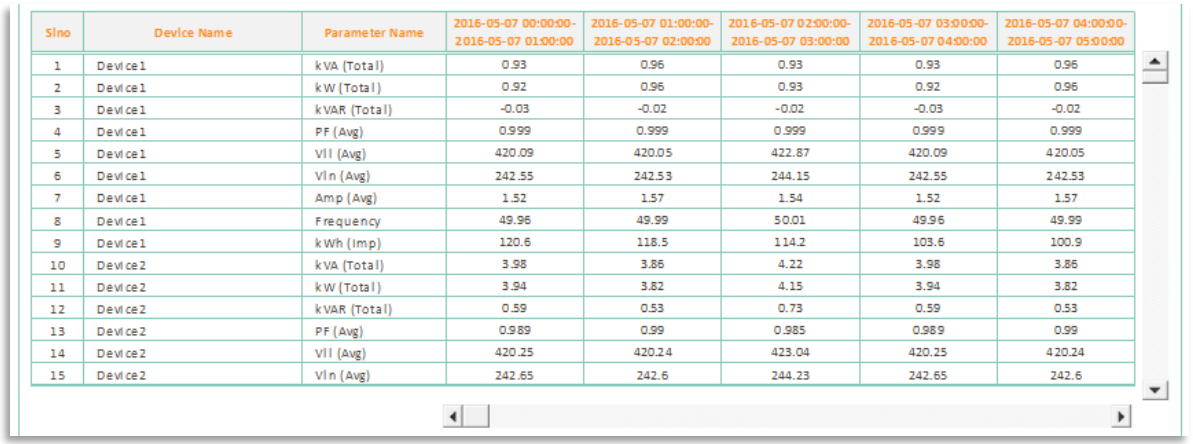
Period	07-May-2016
Generated On	03-Sep-2017
Generated By	Administrator

Slno	Device Name	Parameter Name	2016-05-07 00:00:00-2016-05-07 01:00:00	2016-05-07 01:00:00-2016-05-07 02:00:00	2016-05-07 02:00:00-2016-05-07 03:00:00	2016-05-07 03:00:00-2016-05-07 04:00:00	2016-05-07 04:00:00-2016-05-07 05:00:00	2016-05-07 05:00:00-2016-05-07 06:00:00	2016-05-07 06:00:00-2016-05-07 07:00:00	2016-05-07 07:00:00-2016-05-07 08:00:00	2016-05-07 08:00:00-2016-05-07 09:00:00
1	Device1	kVA (Total)	0.93	0.96	0.93	1.69	1.5	1.35	1.69	1.5	1.35
2	Device1	kW (Total)	0.92	0.96	0.93	1.57	1.38	1.23	1.57	1.38	1.23
3	Device1	kVAR (Total)	-0.03	-0.02	-0.02	-0.62	-0.59	-0.57	-0.62	-0.59	-0.57
4	Device1	PF (Avg)	0.999	0.999	0.999	0.929	0.918	0.905	0.929	0.918	0.905
5	Device1	VII (Avg)	420.09	420.05	422.87	419.9	419.9	422.83	419.9	419.9	422.83
6	Device1	VIn (Avg)	242.55	242.53	244.15	242.47	242.45	244.16	242.47	242.45	244.16
7	Device1	Amp (Avg)	1.52	1.57	1.54	2.35	2.11	1.94	2.35	2.11	1.94
8	Device1	Frequency	49.96	49.99	50.01	49.96	49.99	50.01	49.96	49.99	50.01
9	Device1	kWh (Imp)	0.9	0.9	0.5	1.5	1.3	0.7	1.5	1.3	0.7
10	Device2	kVA (Total)	3.98	3.86	4.22	0.53	0.54	0.53	0.53	0.54	0.53
11	Device2	kW (Total)	3.94	3.82	4.15	0.49	0.49	0.49	0.49	0.49	0.49
12	Device2	kVAR (Total)	0.59	0.53	0.73	-0.11	-0.06	-0.11	-0.11	-0.06	-0.11
13	Device2	PF (Avg)	0.989	0.99	0.985	0.935	0.923	0.938	0.935	0.923	0.938
14	Device2	VII (Avg)	420.25	420.24	423.04	420.01	419.93	422.98	420.01	419.93	422.98
15	Device2	VIn (Avg)	242.65	242.6	244.23	242.5	242.46	244.19	242.5	242.46	244.19
16	Device2	Amp (Avg)	5.5	5.33	5.8	0.87	0.88	0.88	0.87	0.88	0.88
17	Device2	Frequency	49.96	49.99	50.01	49.96	49.99	50.01	49.96	49.99	50.01
18	Device2	kVAh (Imp)	3.7	3.8	2.3	0.6	0.7	0.3	0.6	0.7	0.3
19	Device2	kWh (Imp)	3.6	3.8	2.3	0.5	0.4	0.3	0.5	0.4	0.3
20	Device2	kVARh (Imp-I)	0.5	0.4	0.3	6026.3	3013	3012.9	6026.3	3013	3012.9
21	Device3	kVA (Total)	1.44	1.64	1.6	0.25	0.25	0.25	0.25	0.25	0.25
22	Device3	kW (Total)	1.4	1.61	1.56	0.23	0.23	0.24	0.23	0.23	0.24

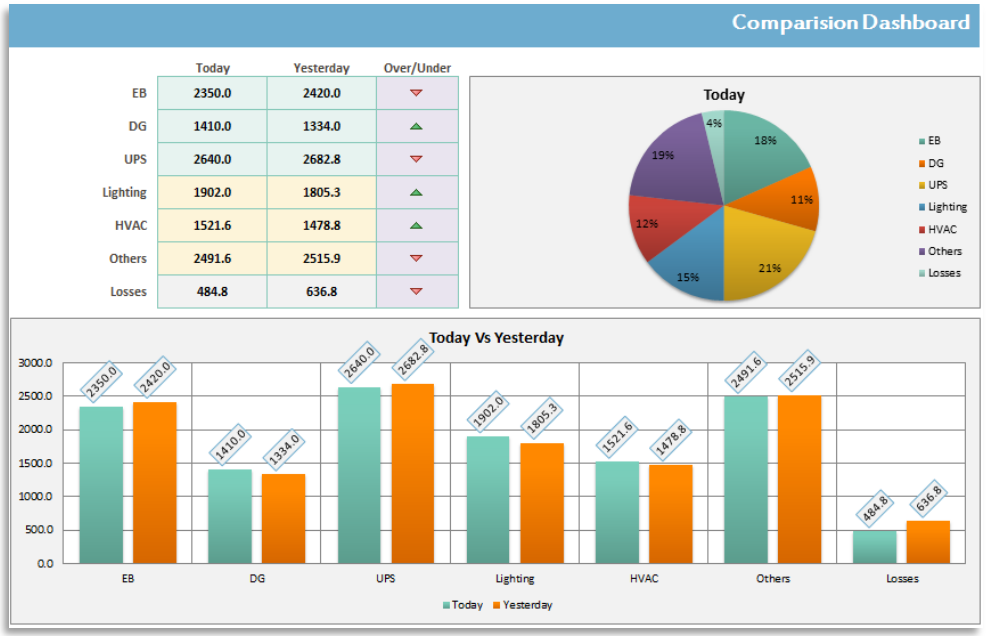
REPORTS

DASHBOARDS





Slno	Device Name	Parameter Name	2016-05-07 00:00:00-2016-05-07 01:00:00	2016-05-07 01:00:00-2016-05-07 02:00:00	2016-05-07 02:00:00-2016-05-07 03:00:00	2016-05-07 03:00:00-2016-05-07 04:00:00	2016-05-07 04:00:00-2016-05-07 05:00:00
1	Device1	kVA (Total)	0.93	0.96	0.93	0.93	0.96
2	Device1	kW (Total)	0.92	0.96	0.93	0.92	0.96
3	Device1	kVAR (Total)	-0.03	-0.02	-0.02	-0.03	-0.02
4	Device1	PF (Avg)	0.999	0.999	0.999	0.999	0.999
5	Device1	Vll (Avg)	420.09	420.05	422.87	420.09	420.05
6	Device1	Vln (Avg)	242.55	242.53	244.15	242.55	242.53
7	Device1	Amp (Avg)	1.52	1.57	1.54	1.52	1.57
8	Device1	Frequency	49.96	49.99	50.01	49.96	49.99
9	Device1	kWh (Imp)	120.6	118.5	114.2	103.6	100.9
10	Device2	kVA (Total)	3.98	3.86	4.22	3.98	3.86
11	Device2	kW (Total)	3.94	3.82	4.15	3.94	3.82
12	Device2	kVAR (Total)	0.59	0.53	0.73	0.59	0.53
13	Device2	PF (Avg)	0.989	0.99	0.985	0.989	0.99
14	Device2	Vll (Avg)	420.25	420.24	423.04	420.25	420.24
15	Device2	Vln (Avg)	242.65	242.6	244.23	242.65	242.6



EB	Today	Yesterday	Over/Under
Incomer-1	1200.0	1240.0	▽
Incomer-2	1150.0	1180.0	▽
Transformer-1	1170.0	1220.0	▽
Transformer-2	1120.0	1165.0	▽
Total	**2350.0**	**2420.0**	▽

DG	Today	Yesterday	Over/Under
DG-1	720.0	744.0	▽
DG-2	690.0	590.0	△
Total	**1410.0**	**1334.0**	△

UPS	Today	Yesterday	Over/Under
UPS-1	900.0	930.0	▽
UPS-2	862.5	837.8	△
UPS-3	877.5	915.0	▽
Total	**2640.0**	**2682.8**	▽

Lighting	Today	Yesterday	Over/Under
Area-1	443.8	448.1	▽
Area-2	190.2	140.8	△
Area-3	380.4	320.1	△
Area-4	126.8	128.0	▽
Area-5	253.6	256.1	▽
Area-6	507.2	512.1	▽
Total	**1902.0**	**1805.3**	△

HVAC	Today	Yesterday	Over/Under
Chiller-1	570.6	576.2	▽
Chiller-2	443.8	390.5	△
Chiller-3	507.2	512.1	▽
Total	**1521.6**	**1478.8**	△

Others	Today	Yesterday	Over/Under
Others-1	285.3	288.1	▽
Others-2	824.2	832.2	▽
Others-3	760.8	768.2	▽
Others-4	380.4	384.1	▽
Others-5	240.9	243.3	▽
Total	**2491.6**	**2515.9**	▽

REPORTS

INTEGRATED REPORT

Company Logo

Energy Management System

Company Name

Integrated Parms Report

Period	07-May-2016
Generated On	03-Sep-2017
Generated By	Administrator

Slno	Device Name	Parameter Name	Initial Reading	Final Reading	Integrated Value
1	Device1	kWh (Imp)	41203.6	41205.9	2.3
2	Device2	kVAh (Imp)	71902.7	71912.5	9.8
3	Device2	kWh (Imp)	70279.9	70289.6	9.7
4	Device2	kVARh (Imp-I)	-176.2	-175	1.2
5	Device3	kVAh (Imp)	46652.8	46656.6	3.8
6	Device3	kWh (Imp)	43861.5	43865.2	3.7
7	Device3	kVARh (Imp-I)	-511.7	-511.7	0
8	Device4	kVAh (Imp)	53304.7	53308.5	3.8
9	Device4	kWh (Imp)	47948.7	47952.2	3.5
10	Device4	kVARh (Imp-I)	-513	-513	0
11	Device5	kVAh (Imp)	47916.8	47918.4	1.6
12	Device5	kWh (Imp)	43019.7	43020.9	1.2
13	Device5	kVARh (Imp-I)	3013.3	3014.9	1.6
14	Device6	kVAh (Imp)	85690.9	85691.5	0.6
15	Device6	kWh (Imp)	81952.8	81953.3	0.5
16	Device6	kVARh (Imp-I)	-1026.6	-1026.6	0
17	Device7	kVAh (Imp)	337.2	337.2	0
18	Device7	kWh (Imp)	270.1	270.1	0
19	Device7	kVARh (Imp-I)	198.8	198.8	0
20	Device8	kVAh (Imp)	36965.8	36967.3	1.5
21	Device8	kWh (Imp)	33849.7	33851	1.3
22	Device8	kVARh (Imp-I)	4535.8	4536.6	0.8

DAILY REPORT

Company Logo

Energy Management System

Company Name

Daily Report

Period	07-May-2016
Generated On	03-Sep-2017
Generated By	Administrator

Slno	Device Name	kVA (Total)	kW (Total)	kVAR (Total)	PF (Avg)	Vll (Avg)	Vln (Avg)	Amp (Avg)	Frequency	kWh (Imp)	kVAh (Imp)	kVARh (Imp-I)
1	Device1	0.94	0.94	-0.02	0.999	420.72	242.92	1.54	49.98	2.3	-	-
2	Device2	3.99	3.94	0.59	0.989	420.9	243	5.49	49.98	9.7	9.8	1.2
3	Device3	1.56	1.52	-0.3	0.978	-	-	2.16	49.98	3.7	3.8	0
4	Device4	1.54	1.41	-0.6	0.919	420.59	242.86	2.16	49.98	3.5	3.8	0
5	Device5	0.53	0.49	-0.09	0.931	420.68	242.88	0.88	49.98	1.2	1.6	12052.2
6	Device6	0.25	0.24	0.09	0.932	420.85	243.01	0.35	49.98	0.5	0.6	0
13	Device7	0.63	0.55	0.3	0.876	420.74	242.97	0.87	49.98	1.3	1.5	0.8
14	Device8	0.46	0.44	0.13	0.957	420.97	243.04	0.62	49.98	1.1	1.1	0
16	Device9	0.83	0.75	0.34	0.908	421.2	243.19	1.2	49.98	1.8	-	-
17	Device10	1.65	0.99	1.32	0.601	420.98	243.05	2.28	49.99	2.5	4.1	3.2
18	Device11	0.95	0.85	0.4	0.885	421.32	243.25	1.33	49.98	2.1	2.3	1
20	Device13	0.86	0.85	-0.09	0.988	410.29	236.89	1.27	49.98	2.1	2.2	2214.1
21	Device14	0	0	0	0	410.22	236.85	0	49.98	0	0	0
22	Device15	10.71	10.06	3.69	0.939	410.04	236.73	15.09	49.98	24.7	26.3	9
23	Device16	0	0	0	0	410.06	236.76	0	49.99	0	0	0
25	Device18	0	0	0	0	410.1	236.8	0	50.02	0	0	0
26	Device19	0.14	0.1	0.04	0.855	410.34	236.92	0.22	49.98	0.2	0.3	0
27	Device20	0.47	0.42	-0.2	0.901	421.11	243.14	0.65	49.98	1	1.1	47105
31	Device24	25.13	15.89	19.34	0.616	420.58	242.9	34.55	49.99	39.9	62.9	48
33	Device26	28.13	27.95	2.31	0.98	420.23	242.66	38.79	49.98	56.5	56.7	3.7
35	Device28	49.13	28.48	39.86	0.574	419.91	242.49	67.59	49.98	68.8	119	96.7
37	Device30	12.03	10.95	4.55	0.874	420.2	242.65	16.56	49.98	27	29.7	11.2

REPORTS

MIN MAX REPORT

Company Logo

Energy Management System

Company Name

Min Max Report

Period	07-May-2016 To 08-May-2016
Generated On	03-Sep-2017
Generated By	Administrator

Slno	Device Name	Parameter Name	Min Occurance Time	Min	Max Occurance Time	Max
1	Device1	kVA (Total)	2016-05-07 14:32:00	0.85	2016-05-07 15:39:30	1.03
2	Device1	kW (Total)	2016-05-07 14:32:00	0.85	2016-05-07 15:51:40	1.04
3	Device1	kVAR (Total)	2016-05-07 15:54:30	-0.12	2016-05-07 15:15:00	0.07
4	Device1	PF (Avg)	2016-05-07 14:54:30	0.993	2016-05-07 14:06:00	1
5	Device1	VII (Avg)	2016-05-07 14:54:00	414.6	2016-05-07 16:28:00	427.17
6	Device1	VIn (Avg)	2016-05-07 14:54:00	239.4	2016-05-07 16:28:00	246.51
7	Device1	Amp (Avg)	2016-05-07 14:32:00	1.37	2016-05-07 14:17:00	1.69
8	Device1	Frequency	2016-05-07 14:27:30	49.89	2016-05-07 16:33:30	50.1
9	Device1	kWh (Imp)	2016-05-07 14:06:00	41203.6	2016-05-07 16:28:00	41205.9
10	Device2	kVA (Total)	2016-05-07 15:10:00	3.61	2016-05-07 16:14:00	4.59
11	Device2	kW (Total)	2016-05-07 15:35:00	3.58	2016-05-07 16:14:00	4.5
12	Device2	kVAR (Total)	2016-05-07 15:12:30	0.35	2016-05-07 16:19:00	0.99
13	Device2	PF (Avg)	2016-05-07 16:11:30	0.977	2016-05-07 15:01:30	1
14	Device2	VII (Avg)	2016-05-07 15:02:00	414.79	2016-05-07 16:31:00	427.2
15	Device2	VIn (Avg)	2016-05-07 15:02:00	239.53	2016-05-07 16:31:00	246.58
16	Device2	Amp (Avg)	2016-05-07 15:35:00	4.93	2016-05-07 16:14:00	6.36
17	Device2	Frequency	2016-05-07 14:27:00	49.89	2016-05-07 16:05:30	50.09
18	Device2	kVAh (Imp)	2016-05-07 14:06:00	71902.7	2016-05-07 16:32:00	71912.5
19	Device2	kWh (Imp)	2016-05-07 14:06:00	70279.9	2016-05-07 16:33:00	70289.6
20	Device2	kVARh (Imp-I)	2016-05-07 14:06:00	-176.2	2016-05-07 16:21:00	-175
21	Device3	kVA (Total)	2016-05-07 14:14:00	1.28	2016-05-07 15:38:30	3.54
22	Device3	kW (Total)	2016-05-07 14:14:00	1.24	2016-05-07 15:39:30	3.54

ZONE WISE REPORT

Company Logo

Energy Management System

Company Name

Zone Wise Report

Period	07-May-2016 To 07-May-2016
Generated On	03-Sep-2017
Generated By	Administrator

Slno	Device Name	Parameter Name	Shift-1-(2016-05-07 07:00:00-2016-05-07 15:00:00)	Shift-2-(2016-05-07 15:00:00-2016-05-07 22:00:00)	Shift-3-(2016-05-07 22:00:00-2016-05-08 07:00:00)
1	Device1	kVA (Total)	0.93	0.95	1.69
2	Device1	kW (Total)	0.92	0.95	1.57
3	Device1	kVAR (Total)	-0.03	-0.02	-0.62
4	Device1	PF (Avg)	0.999	0.999	0.929
5	Device1	VII (Avg)	420.09	421.07	419.9
6	Device1	VIn (Avg)	242.55	243.11	242.47
7	Device1	Amp (Avg)	1.52	1.55	2.35
8	Device1	Frequency	49.96	50	49.96
9	Device1	kWh (Imp)	0.9	1.4	1.5
10	Device2	kVA (Total)	3.98	3.99	0.53
11	Device2	kW (Total)	3.94	3.94	0.49
12	Device2	kVAR (Total)	0.59	0.6	-0.11
13	Device2	PF (Avg)	0.989	0.988	0.935
14	Device2	VII (Avg)	420.25	421.25	420.01
15	Device2	VIn (Avg)	242.65	243.19	242.5
16	Device2	Amp (Avg)	5.5	5.49	0.87
17	Device2	Frequency	49.96	50	49.96
18	Device2	kVAh (Imp)	3.7	6.1	0.6
19	Device2	kWh (Imp)	3.6	6.1	0.5
20	Device2	kVARh (Imp-I)	0.5	0.7	6026.3
21	Device3	kVA (Total)	1.44	1.62	0.25
22	Device3	kW (Total)	1.4	1.59	0.23

REPORTS

WEEKLY, MONTHLY REPORT

Company Logo

Energy Management System

Company Name

Monthly Report

Period	May-2016
Generated On	03-Sep-2017
Generated By	Administrator

Slno	Device Name	Parameter Name	2016-05-01	2016-05-02 00:00:00	2016-05-03 00:00:00	2016-05-04 00:00:00	2016-05-05 00:00:00	2016-05-06 00:00:00	2016-05-07 00:00:00	2016-05-08 00:00:00	2016-05-09 00:00:00	2016-05-10 00:00:00	2016-05-11 00:00:00	2016-05-12 00:00:00	2016-05-13 00:00:00
1	Device1	kVA (Total)	1.54	0.25	0.46	0.83	0.86	0.14	0.94	5.41	1.9	0.46	0.14	1.54	0.94
2	Device1	kW (Total)	1.41	0.24	0.44	0.75	0.85	0.1	0.94	2.5	1.83	0.44	0.1	1.41	0.94
3	Device1	kVAR (Total)	-0.6	0.09	0.13	0.34	-0.09	0.04	-0.02	3.1	0.51	0.13	0.04	-0.6	-0.02
4	Device1	PF (Avg)	0.919	0.932	0.957	0.908	0.988	0.855	0.999	0.493	0.963	0.957	0.855	0.919	0.999
5	Device1	Vll (Avg)	420.59	420.85	420.97	421.2	410.29	410.34	420.72	420.36	411.73	420.97	410.34	420.59	420.72
6	Device1	Vln (Avg)	242.86	243.01	243.04	243.19	236.89	236.92	242.92	242.69	237.75	243.04	236.92	242.86	242.92
7	Device1	Amp (Avg)	2.16	0.35	0.62	1.2	1.27	0.22	1.54	7.57	2.7	0.62	0.22	2.16	1.54
8	Device1	Frequency	49.98	49.98	49.98	49.98	49.98	49.98	49.98	49.98	49.97	49.98	49.98	49.98	49.98
9	Device1	kWh (Imp)	3.5	0.5	1.1	1.8	2.1	0.2	2.3	6.4	0.6	1.1	0.2	3.5	2.3
10	Device2	kVA (Total)	0.53	0.63	1.65	0.95	10.71	0.47	3.99	4.17	6.8	1.65	0.47	0.53	3.99
11	Device2	kW (Total)	0.49	0.55	0.99	0.85	10.06	0.42	3.94	2.45	6.6	0.99	0.42	0.49	3.94
12	Device2	kVAR (Total)	-0.09	0.3	1.32	0.4	3.69	-0.2	0.59	3.28	1.61	1.32	-0.2	-0.09	0.59
13	Device2	PF (Avg)	0.931	0.876	0.601	0.885	0.939	0.901	0.989	0.598	0.971	0.601	0.901	0.931	0.989
14	Device2	Vll (Avg)	420.68	420.74	420.98	421.32	410.04	421.11	420.9	420.48	411.66	420.98	421.11	420.68	420.9
15	Device2	Vln (Avg)	242.88	242.97	243.05	243.25	236.73	243.14	243	242.79	237.66	243.05	243.14	242.88	243
16	Device2	Amp (Avg)	0.88	0.87	2.28	1.33	15.09	0.65	5.49	5.81	14.76	2.28	0.65	0.88	5.49
17	Device2	Frequency	49.98	49.98	49.99	49.98	49.98	49.98	49.98	49.98	49.98	49.99	49.98	49.98	49.98

REPORTS

YEARLY REPORT

Company Logo

Energy Management System

Company Name

Yearly Report

Period	2016
Generated On	03-Sep-2017
Generated By	Administrator

Slno	Device Name	Parameter Name	Jan-2016	Feb-2016	Mar-2016	Apr-2016	May-2016	Jun-2016	Jul-2016	Aug-2016	Sep-2016	Oct-2016	Nov-2016	Dec-2016	Min	Max	Avg	Total
1	Device1	kVA (Total)	1.52	0.83	0.8	0.92	0.94	0.77	1.31	1.54	2.9	3.26	0.46	3.21	0.8	0.94	0.89	2.66
2	Device1	kW (Total)	1.38	0.75	0.8	0.92	0.94	0.55	1.2	1.41	2.9	3.24	0.44	2.97	0.8	0.94	0.89	2.66
3	Device1	kVAR (Total)	0.62	0.34	0.04	-0.06	-0.02	0.54	-0.52	-0.6	0.14	-0.04	0.13	1.2	-0.06	0.04	-0.01	-0.04
4	Device1	PF (Avg)	0.919	0.908	0.999	0.994	0.999	0.717	0.899	0.919	0.999	0.944	0.957	0.928	0.994	0.999	0.997	2.992
5	Device1	Vll (Avg)	420.79	421.2	412.8	420.25	420.72	412.64	420.08	420.59	419.08	420.4	420.97	418.93	412.8	420.72	417.92	1253.77
6	Device1	Vln (Avg)	242.95	243.19	238.34	242.64	242.92	238.26	242.54	242.86	241.96	242.71	243.04	241.88	238.34	242.92	241.3	723.9
7	Device1	Amp (Avg)	2.14	1.2	1.34	1.46	1.54	1.12	1.84	2.16	4.11	4.56	0.62	4.43	1.34	1.54	1.45	4.34
8	Device1	Frequency	49.96	49.98	49.99	49.96	49.98	49.99	49.96	49.98	49.99	49.96	49.98	49.98	49.96	49.99	49.98	149.93
9	Device1	kWh (Imp)	56.8	60.34	61.4	61.2	62.8	59.6	63.2	64.6	68.9	69.2	61.2	68.3	59.6	69.2	64.4	757.54
10	Device2	kVA (Total)	0.93	0.95	1.06	5.58	3.99	0.89	1.14	0.53	1.68	1.74	1.65	1.31	1.06	5.58	3.54	10.63
11	Device2	kW (Total)	0.84	0.85	1.01	5.53	3.94	0.87	1.03	0.49	0.77	1.02	0.99	1.21	1.01	5.53	3.49	10.48
12	Device2	kVAR (Total)	0.39	0.4	0.32	0.68	0.59	0.16	0.04	-0.09	1.49	1.39	1.32	0.45	0.32	0.68	0.53	1.59
13	Device2	PF (Avg)	0.887	0.885	0.954	0.992	0.989	0.982	0.85	0.931	0.456	0.584	0.601	0.858	0.954	0.992	0.978	2.935
14	Device2	Vll (Avg)	420.85	421.32	412.91	420.38	420.9	418.85	420.12	420.68	418.64	420.5	420.98	418.94	412.91	420.9	418.06	1254.19
15	Device2	Vln (Avg)	242.99	243.25	238.41	242.72	243	241.83	242.58	242.88	241.7	242.78	243.05	241.9	238.41	243	241.38	724.13
16	Device2	Amp (Avg)	1.31	1.33	1.48	7.69	5.49	1.24	1.67	0.88	2.32	2.4	2.28	1.86	1.48	7.69	4.89	14.66
17	Device2	Frequency	49.96	49.98	49.99	49.96	49.98	49.98	49.96	49.98	49.98	49.96	49.99	49.98	49.96	49.99	49.98	149.93

SOFTWARE WILL BE CUSTOMISED AS PER CUSTOMER NEEDS

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