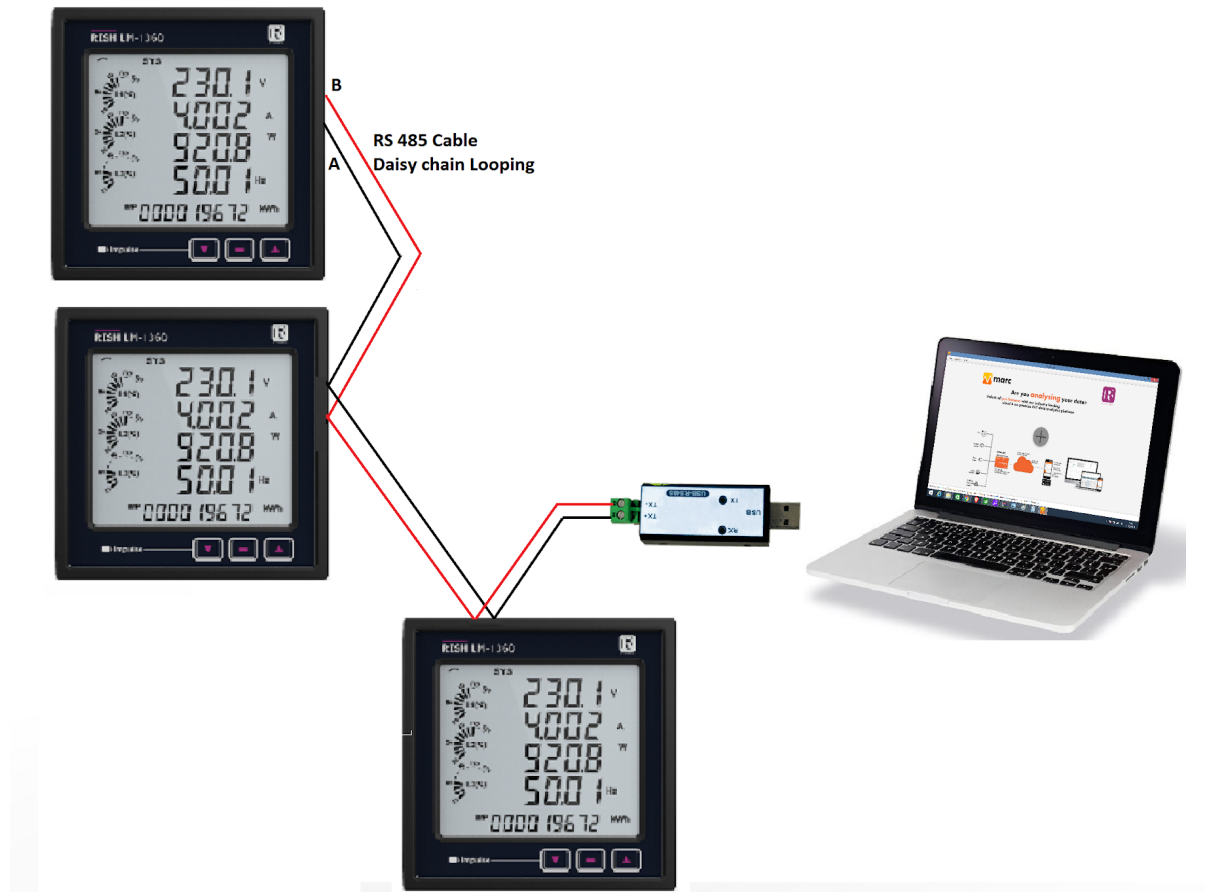


# User Manual

## marc viewer



## Network Architecture



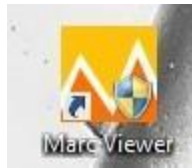
## Index

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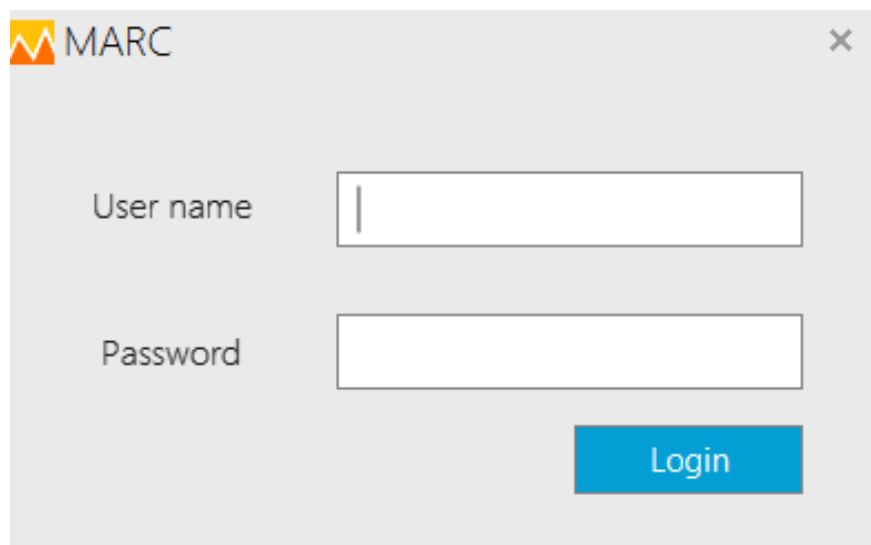
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## 1. Operation

- To start the MARC Viewer, double Click on the MARC Viewer Icon created on the desktop



- Users will see the MARC Viewer screen after entering the valid user name and password.

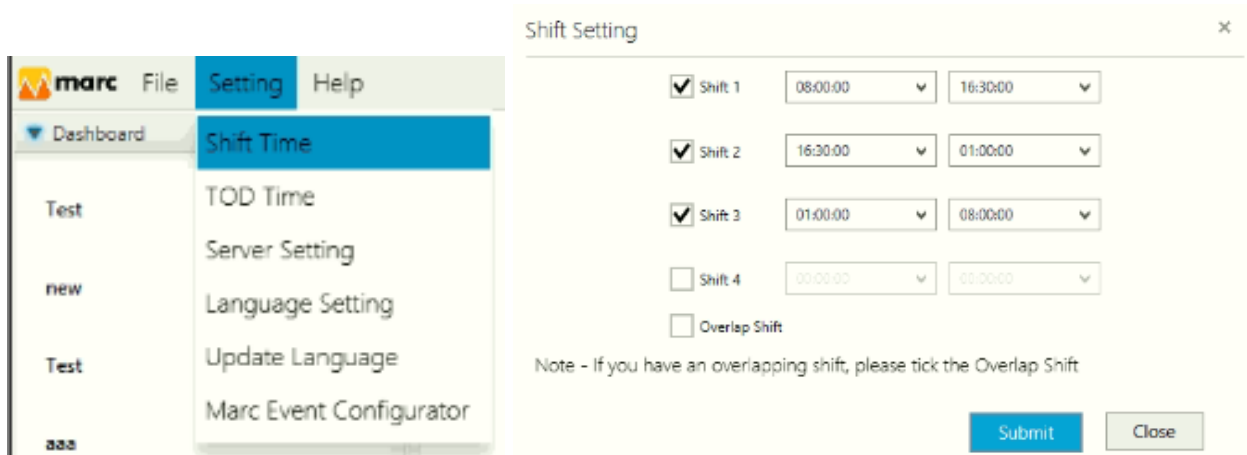
A screenshot of the MARC Viewer login window. The window has a title bar with the 'MARC' logo and a close button. Inside, there are two input fields: 'User name' and 'Password'. Below the 'Password' field is a blue 'Login' button.

- After clicking on the Login button below this screen will appear.
- User Login username will be displayed on the right top side of the screen.



## 2. Setting

- Shift Time - Users have to set their shift time accordingly Shift reports get generated.



**Shift Setting**

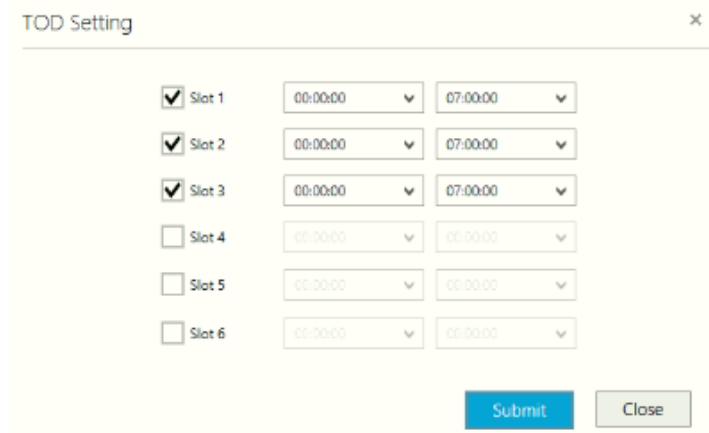
Shift	Start Time	End Time
<input checked="" type="checkbox"/> Shift 1	08:00:00	16:30:00
<input checked="" type="checkbox"/> Shift 2	16:30:00	01:00:00
<input checked="" type="checkbox"/> Shift 3	01:00:00	08:00:00
<input type="checkbox"/> Shift 4	00:00:00	00:00:00

☐ Overlap Shift

Note - If you have an overlapping shift, please tick the Overlap Shift

**Submit** **Close**

- TOD Time - Users have to set their TOD time accordingly TOD reports get generated.

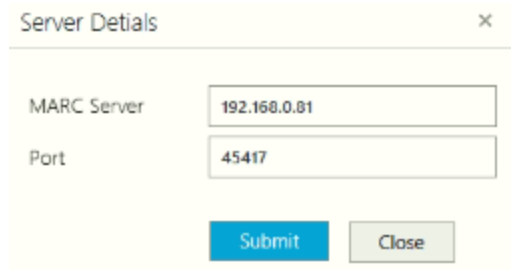


**TOD Setting**

Slot	Start Time	End Time
<input checked="" type="checkbox"/> Slot 1	00:00:00	07:00:00
<input checked="" type="checkbox"/> Slot 2	00:00:00	07:00:00
<input checked="" type="checkbox"/> Slot 3	00:00:00	07:00:00
<input type="checkbox"/> Slot 4	00:00:00	00:00:00
<input type="checkbox"/> Slot 5	00:00:00	00:00:00
<input type="checkbox"/> Slot 6	00:00:00	00:00:00

**Submit** **Close**

- Server Setting- User has to set MARC Logger ip address & port so viewers get connected to the logger.



**Server Details**

MARC Server: 192.168.0.81

Port: 45417

**Submit** **Close**

- Language setting-Users can select the language of software as per requirement.

Language Setting

Select Language

Choose Language

English

Polish

Submit

Close

- Update Language File-Users can update the selected language file.

Update Language File

Search

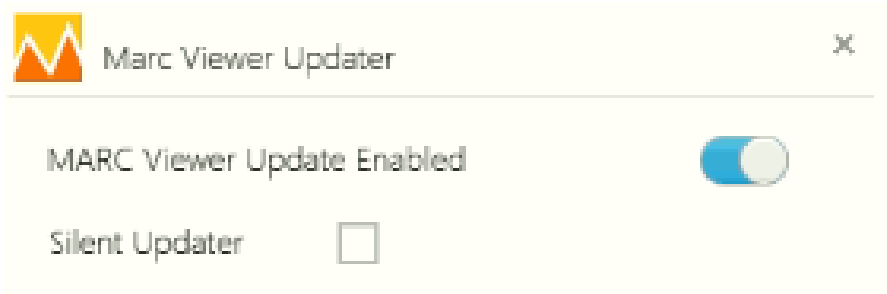
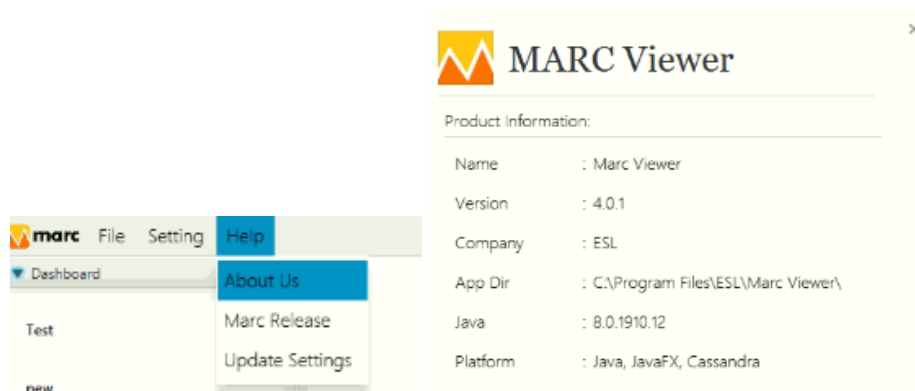
Save

English	Translation
Create_Group	Utwórz grupę
Alarm_Not_Updated	Alarm nie zaktualizowany
Please_fill_all_details	Proszę wypełnić wszystkie szczegóły
Monthly	Co miesiąc
Cancel	Anuluj
Raw_Data_Report	Raport surowych danych
Error_while_deleting_Digital_View	Błąd podczas usuwania widoku cyfrowego
Do_you_want_to_delete_this_Analog_View?	Czy chcesz usunąć ten widok analogowy?
Location_updated	Lokalizacja zaktualizowana
Language_File_Updated_Please_restart_to_view_changes	Zaktualizowano plik językowy. Uruchom ponownie, aby wyświetlić zmiany



### 3. Help

- 3 Menu includes in the help menu
  - 1) About Us- All software related information is given in this menu.
  - 2) Marc Release- Includes information about the new feature added in the updates.
  - 3) Update Setting- Daily autoupdate message On/Off/Silent update feature.



## 4. Dashboard

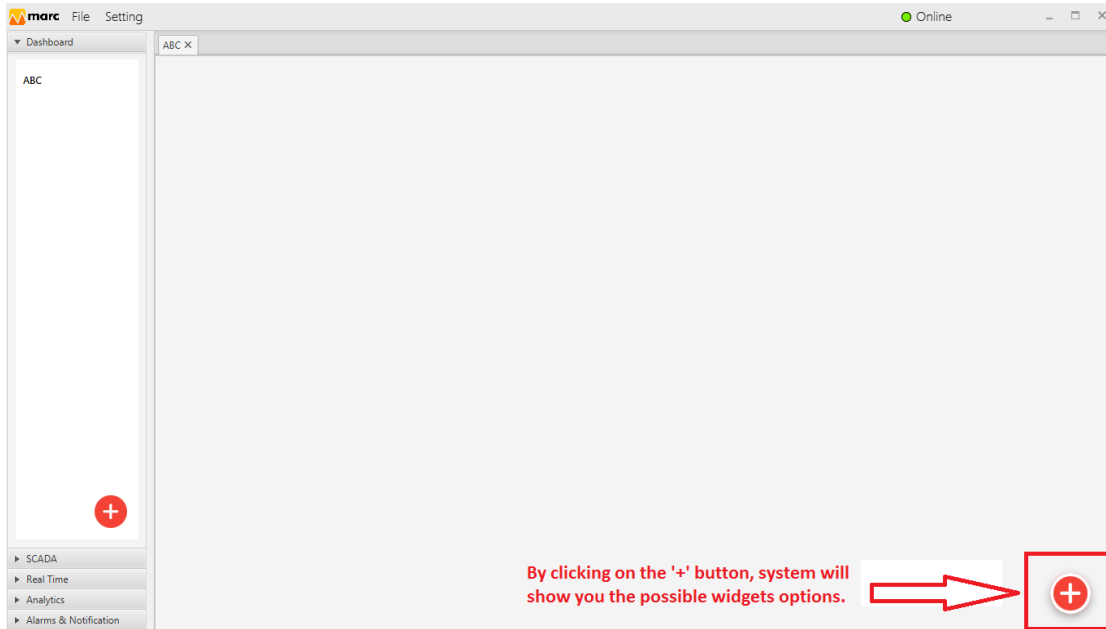
- Click on the '+' button shown at the bottom of the Dashboard tab.
- System will ask for the name for this new dashboard.



Create Dashboard ×

Name

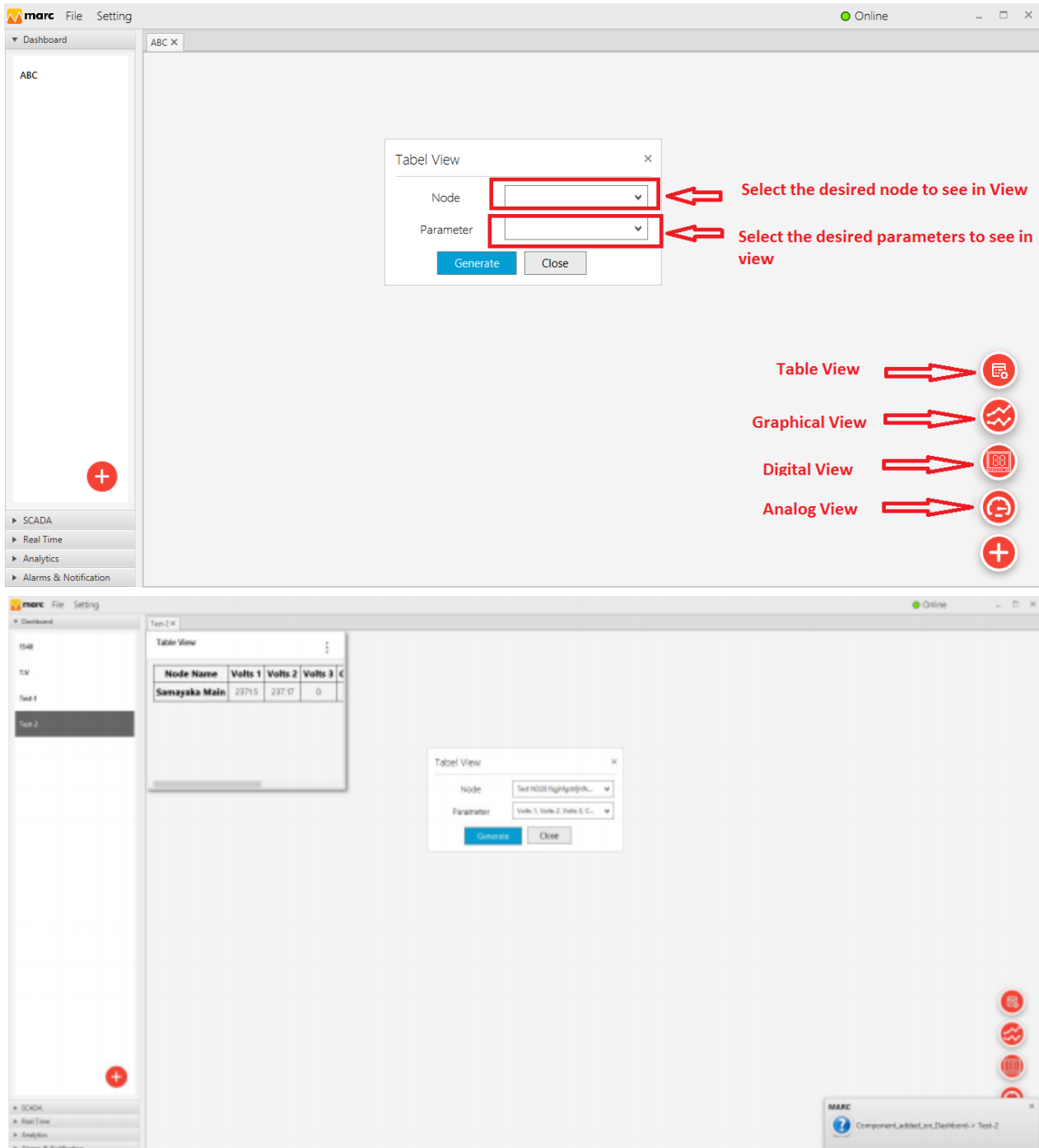
- To add a new dashboard click on the right bottom plus “+” sign.



- By clicking on the plus”+” sign below the widget will show,By clicking individually users can access this widget.
  - 1) Table View
  - 2) Graphical View
  - 3) Digital View
  - 4) Analog View

## 4.1 Table View

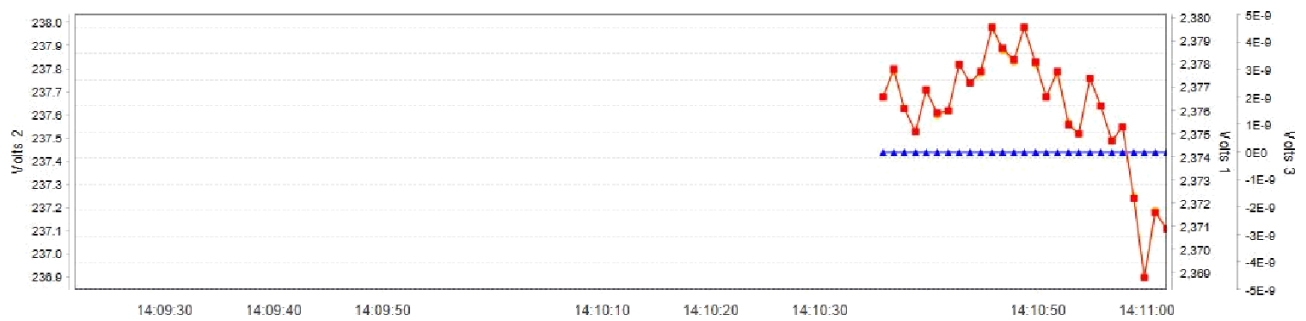
- Users have to select a table view then select the Node and parameters.



The screenshot shows the MARC software interface. On the left sidebar, there is a 'Table View' button. In the main area, a 'Table View' dialog box is open, showing a list of nodes and parameters. The 'Node' dropdown is set to 'Test Node Right Side' and the 'Parameter' dropdown is set to 'Volts 1, Node 2, Volts 1, C...'. The 'Generate' button is highlighted. To the right of the dialog box, there are four red arrows pointing to the 'Table View', 'Graphical View', 'Digital View', and 'Analog View' buttons in the sidebar. Below the dialog box, there is a table showing the data for the selected node and parameters.

Node Name	Volts 1	Volts 2	Volts 3	C
Samayaka Main	237.5	237.0	0	

## 4.2 Graphical View

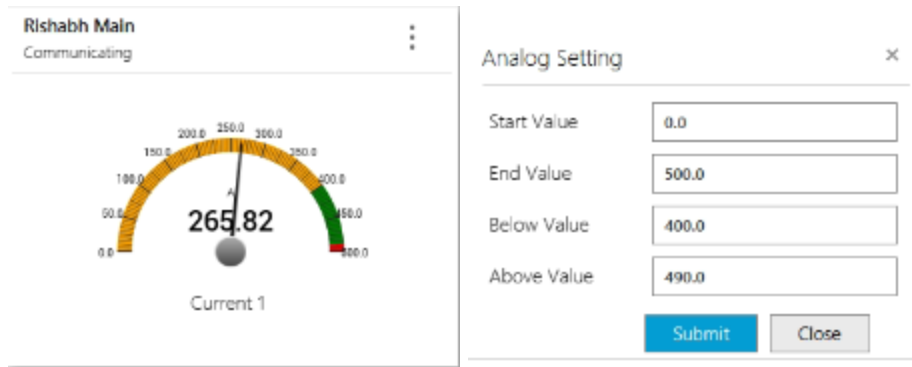


## 4.3 Digital View

Test ND20 fsgjhfgshfjhfhdfjkh	
Communicating	
Volts 1	Current 1
2371.5	1.8
Volts 2	Current 2
237.17	0.18
Volts 3	Current 3
0.8	0.17

## 4.4 Analog View

User has to select the node & parameter, and also enter the analog setting for better visualization.

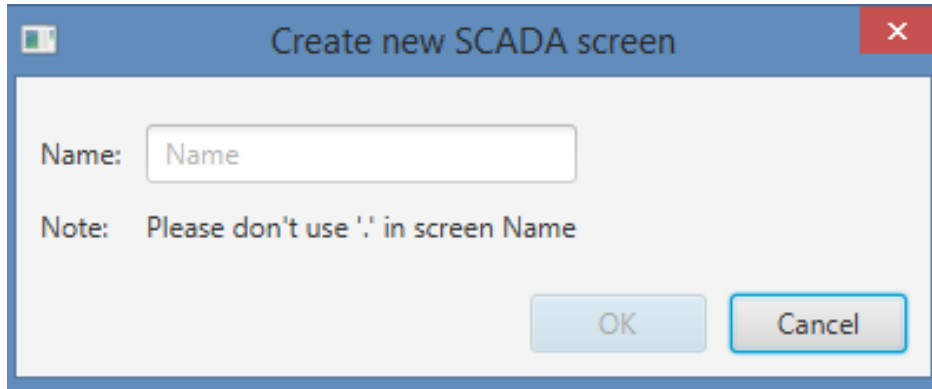


- Users can delete the created dashboard. By right click on targeted dashboard and selecting "Delete" option



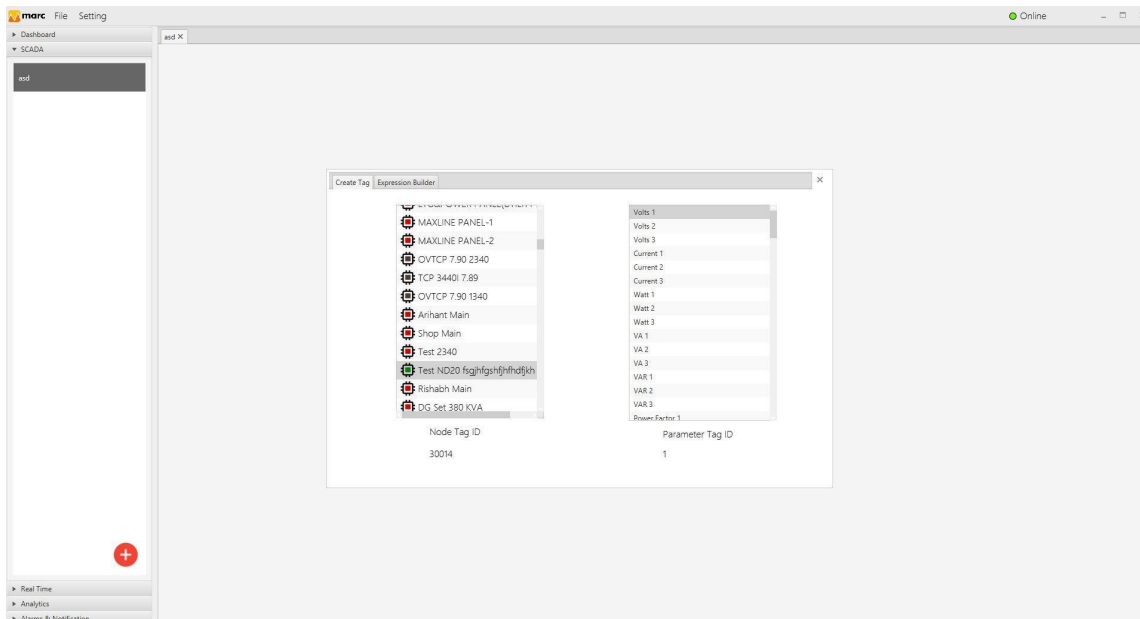
## 5. SCADA

- Under the “SCADA” option, users can create their own customized SCADA screens for live visualization plant status. Click on '+' button under the SCADA tab and enter the desired name for this SCADA screen to be created.

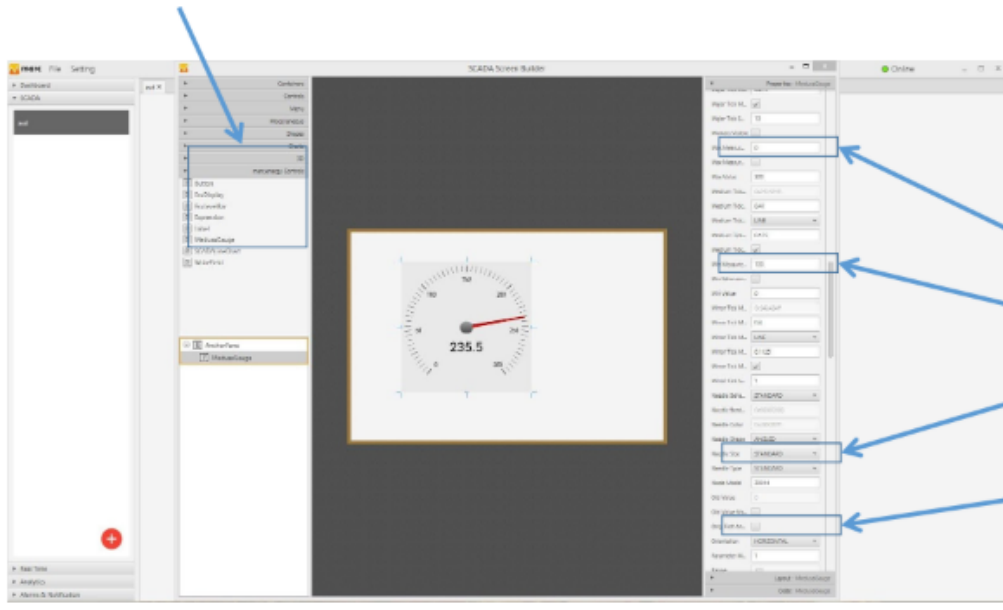


A dialog box titled "Create new SCADA screen" with a close button (X) in the top right corner. It contains a text input field labeled "Name:" with the placeholder text "Name". Below the input field, a note states: "Note: Please don't use '.' in screen Name". At the bottom right, there are two buttons: "OK" and "Cancel".

- Here the new screen will open having all added node names and parameter lists. By selecting one of the meter names or parameters, screen will give its unique Tag IDs to use in SCADA screen configuration as shown in the next few SCADA configuration step screens.



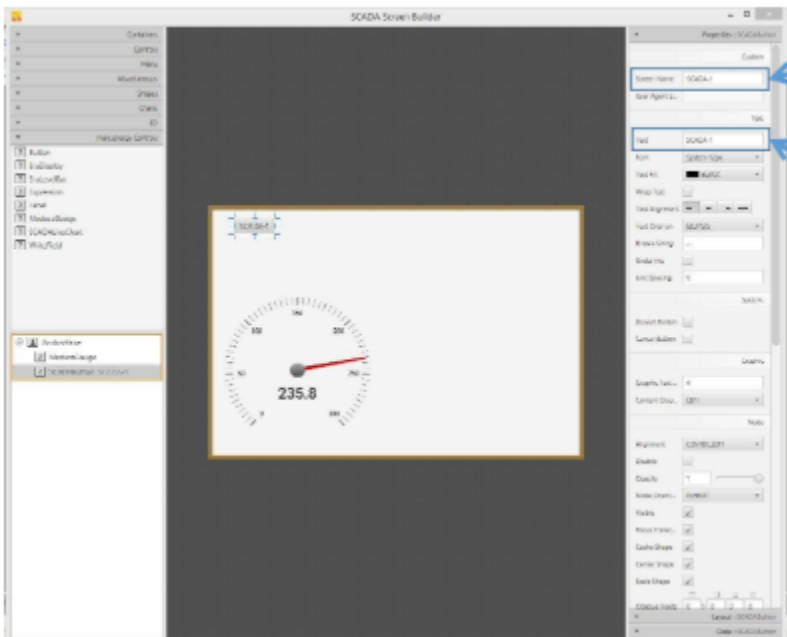
Here primarily the basic controls given under “marc.energy Controls” tab being used to link the data parameters on SCADA live screens.  
To use individual control, users have to drag the control on screen designing area and set the properties related to its function.



Here users have to drag the MedusaGauge control to show live reading in analog dial format. Also I need to configure some properties as shown in the screen.

- Max Value to display on dial view
- Min Value to display on dial view
- Node ID from which the parameter value want to display
- Parameter ID of which the reading want to display

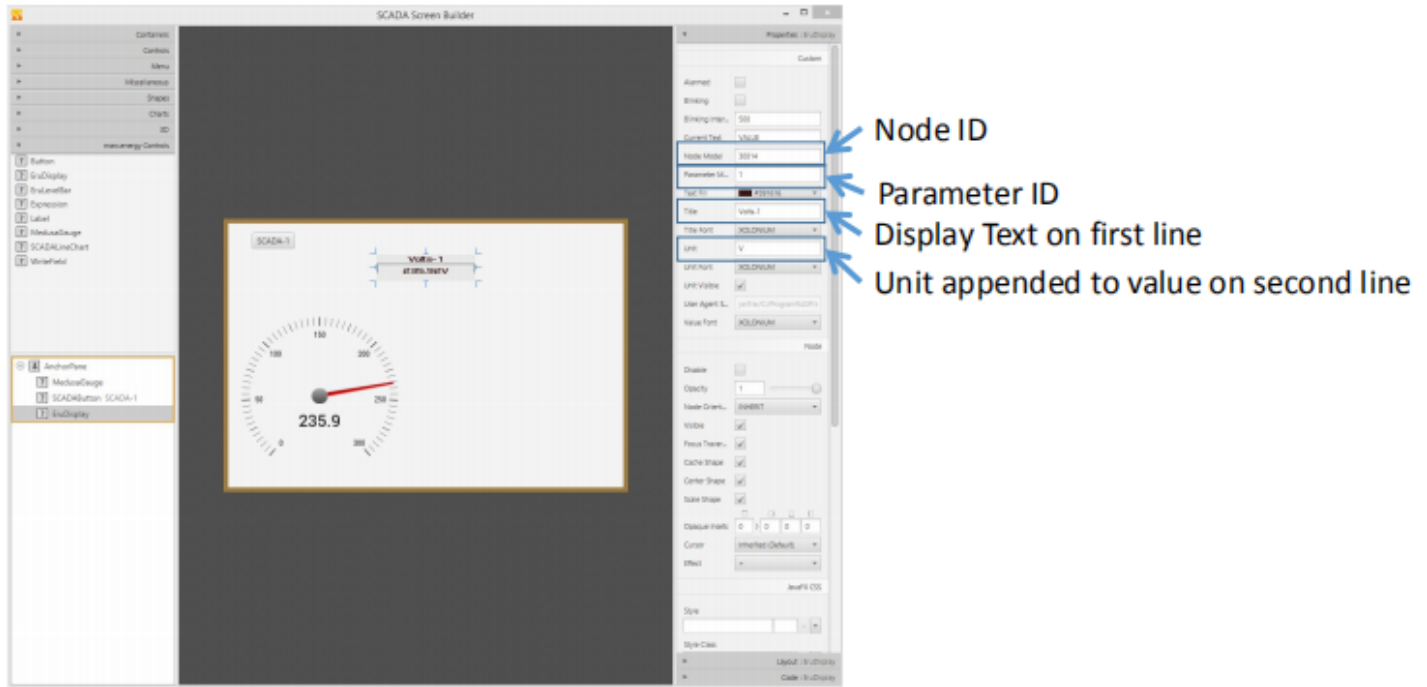
- Hyperlink button which can be used to switch between two SCADA screens.



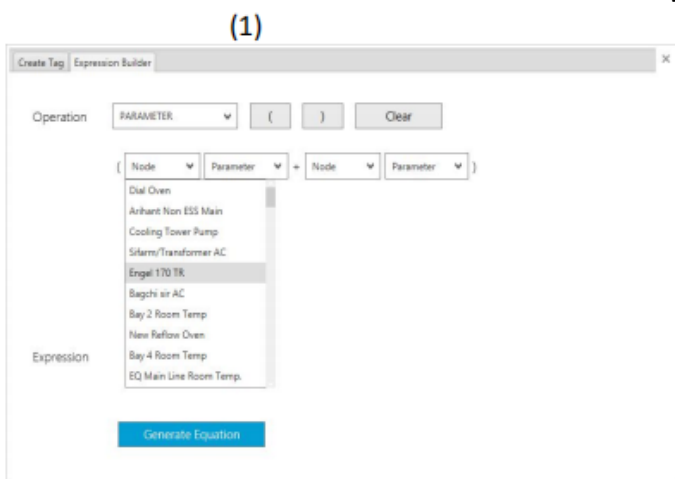
- Enter Screen Name to which need to jump
- Enter Text which you want to show on the link button on this screen



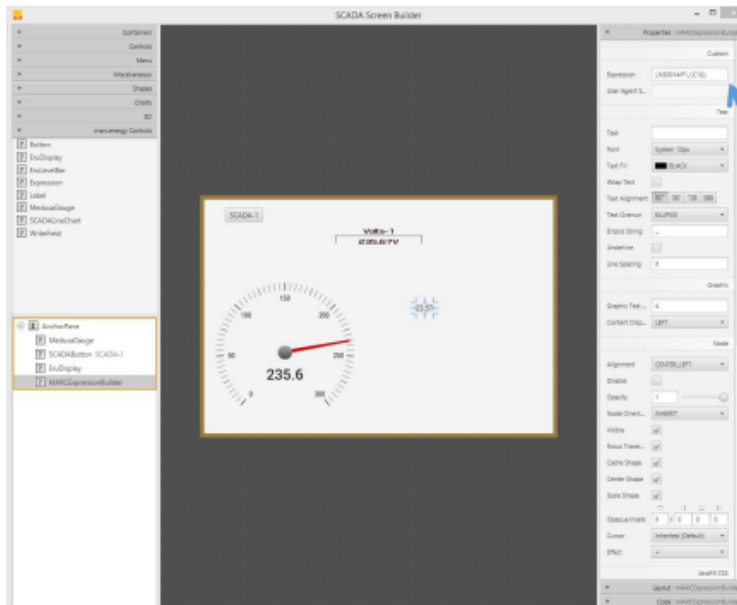
- Here we are configuring the EuroDisplay control component.



- Customer expression tag: Using the “Expression Builder” tab, users can design a custom equation for displaying on the SCADA screen. The equation could be of any number of nodes and parameters.  
NOTE: Parenthesis or brackets are mandatory and must be matched properly.

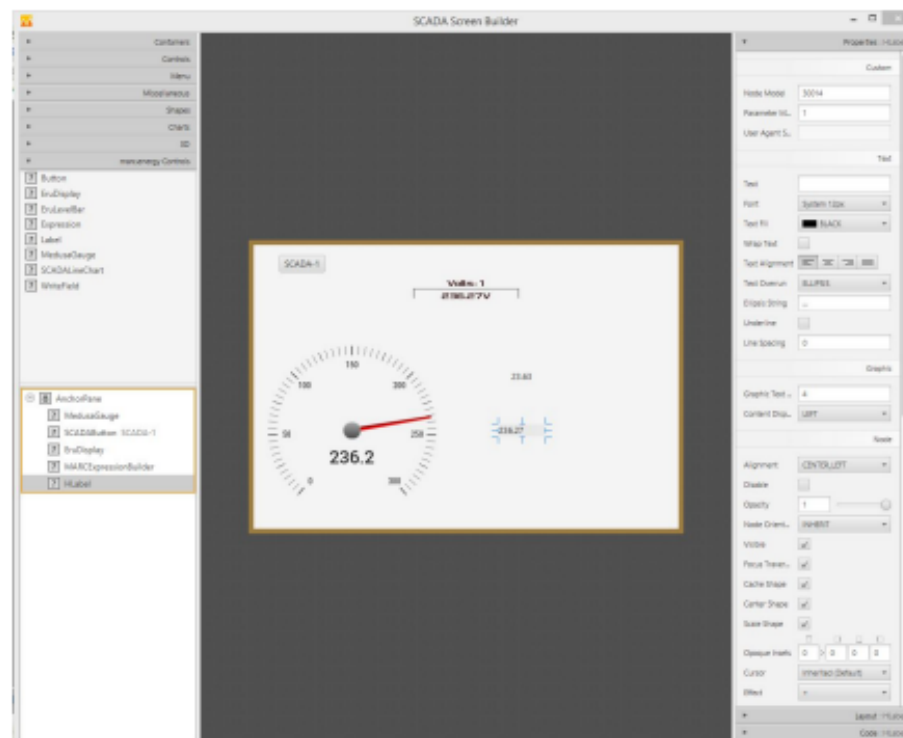


Copy the expression, and use it on next screen on SCADA builder utility

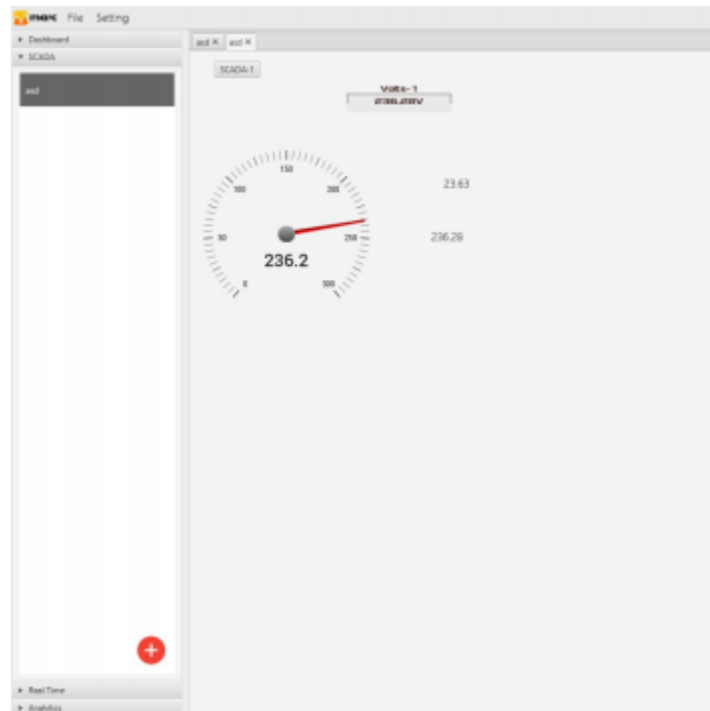


Paste the copied expression from earlier expression builder screen. User can see the live computed value in the field.

- Label control: User can visualize the live reading.



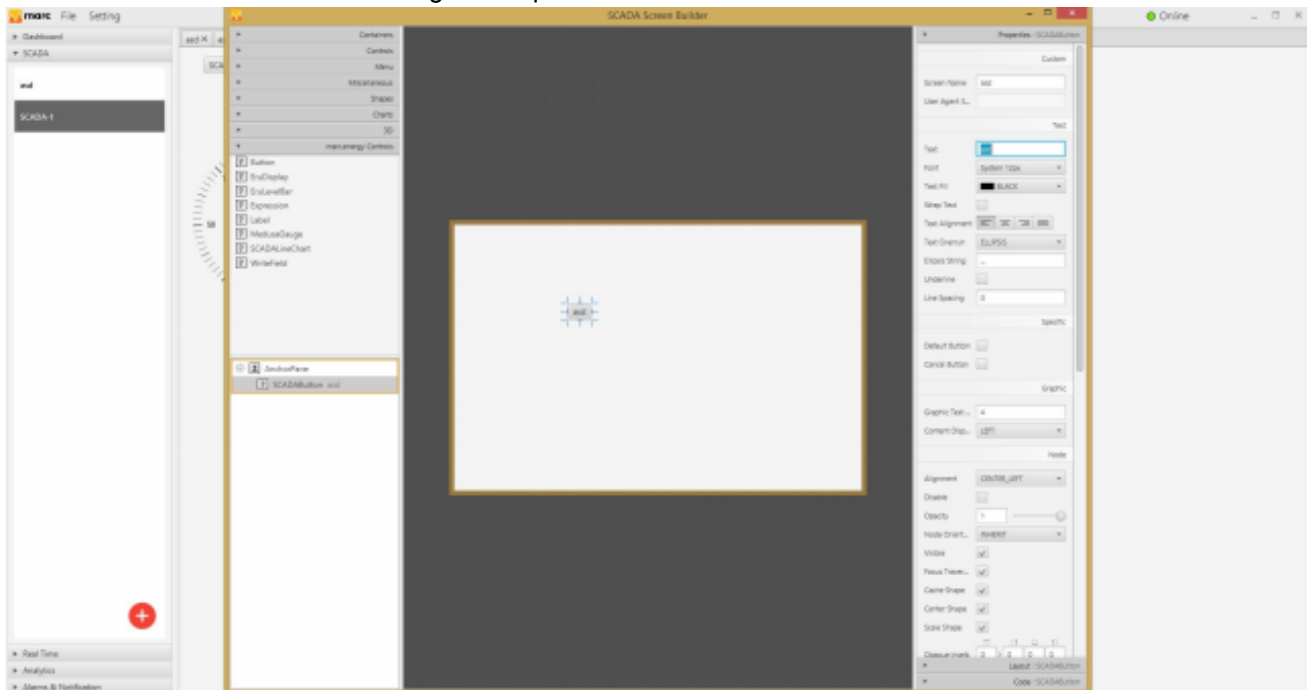
- By closing the SCADA Builder screen, the made changes saved and actual runtime SCADA screen will be open under the SCADA tab.

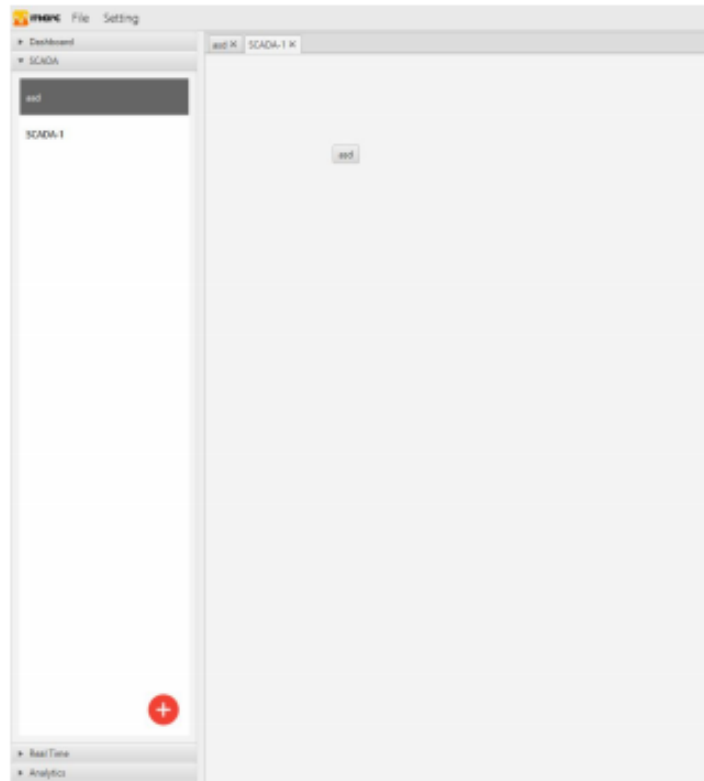


- If a user wants to edit the existing SCADA screen, users have to right click on the respective SCADA screen and select the “Edit” option.



- To make to and fro switching in SCADA screens, users must have to use "Button" on each screen to navigate to the next desired screen setting the respective Screen name.



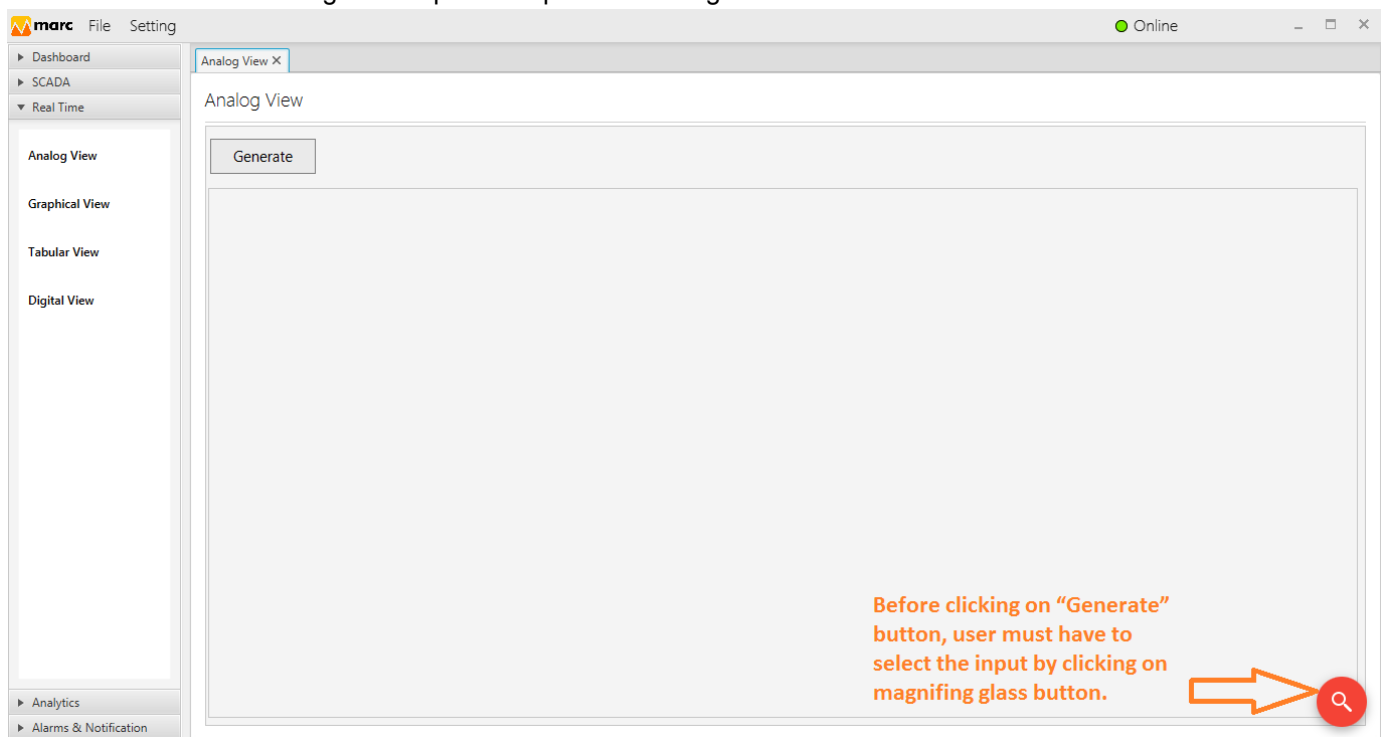


## 6. Run Time data visualization

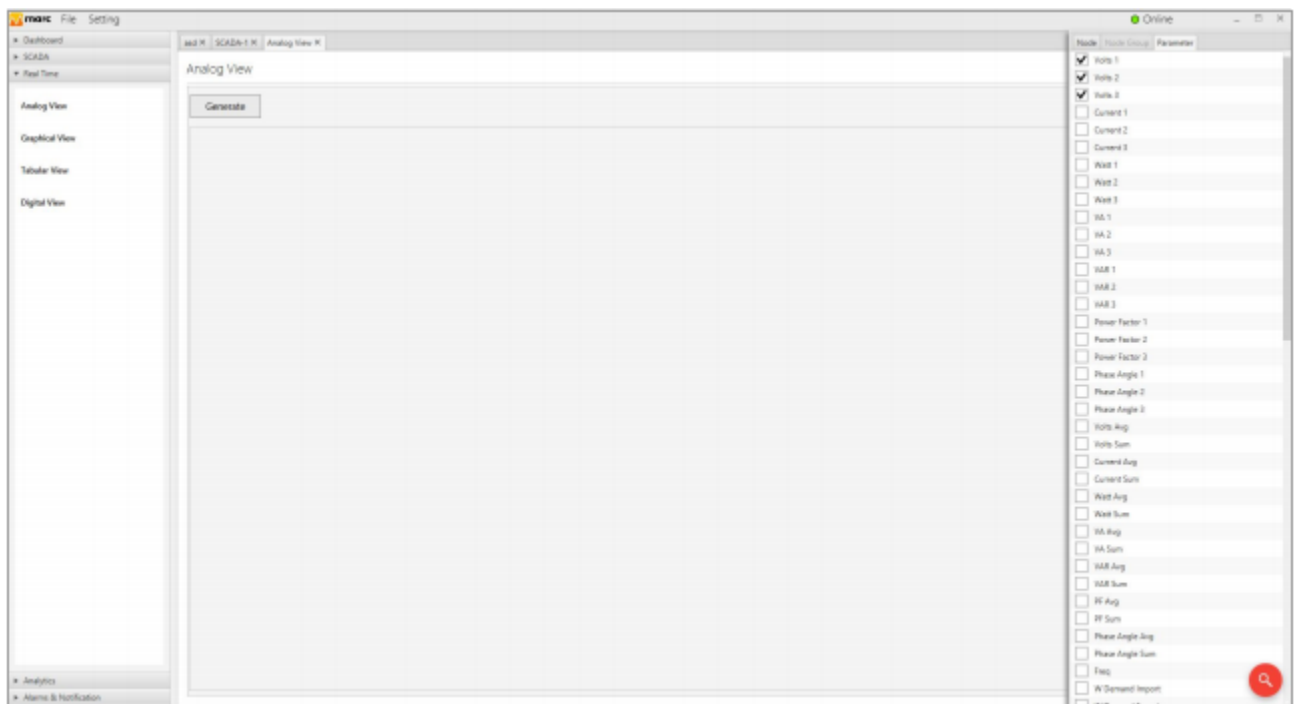
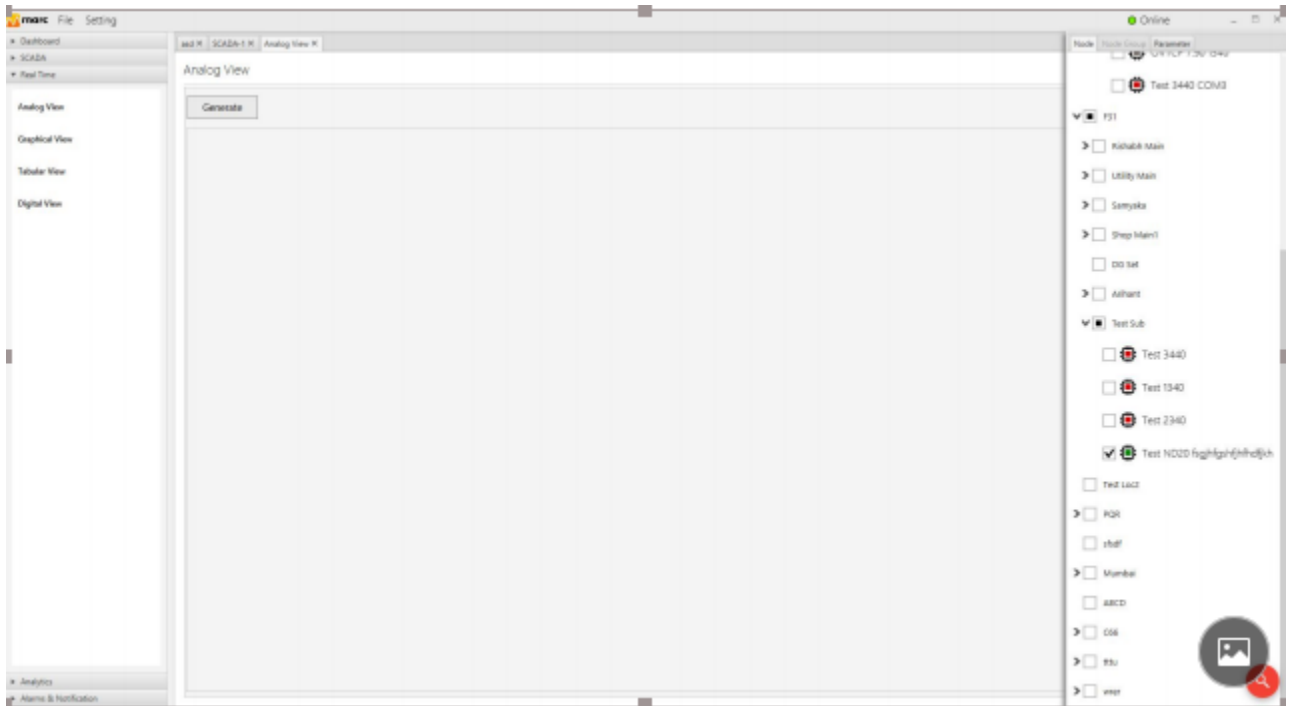
- Under the RunTime main tab, there are many options (viz. Analog View, Graphical View, Trend View, Digital View) to visualize the live data on the MARC screen.

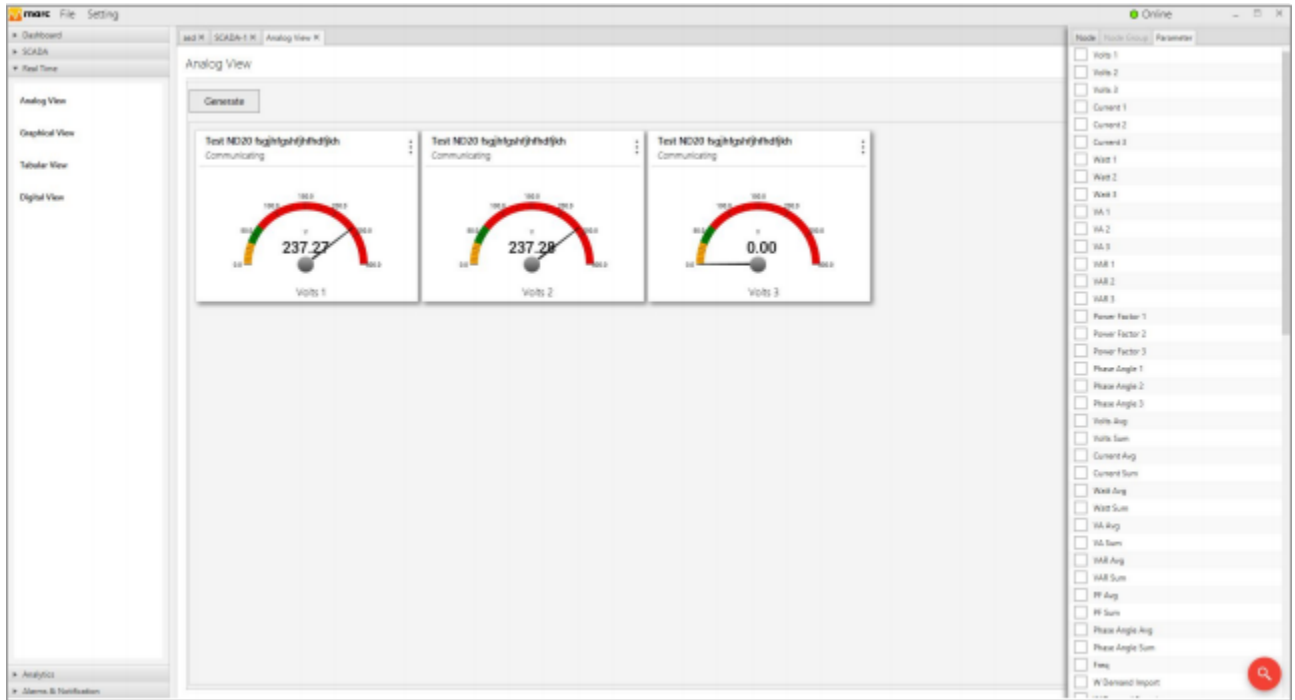
### 6.1 Analog View

- Click on the “Analog View” option to open the Analog view screen.



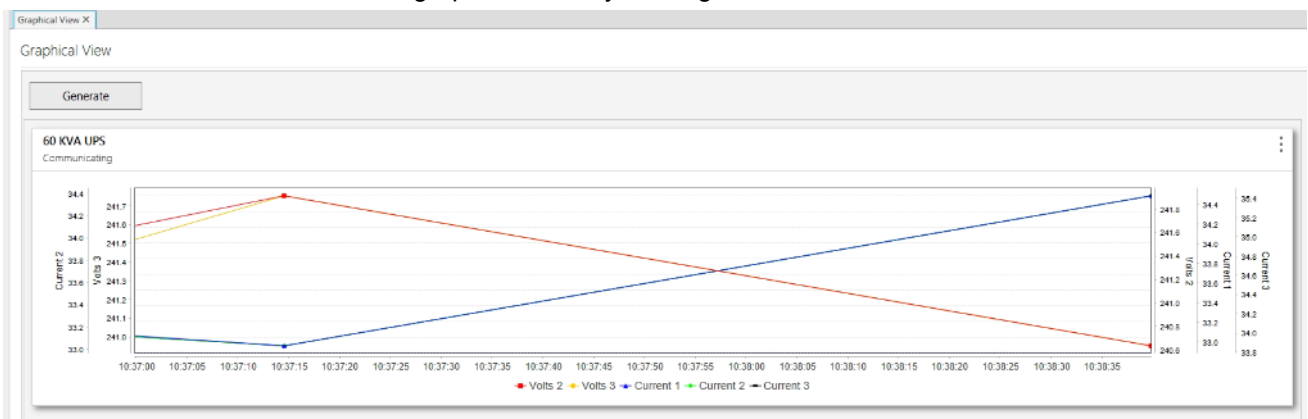
- Select desired node/s from node list under “Node” tab and desired parameter/s from parameter list under “Parameter” tab. User can also use the search tab to search for a particular node or parameter.





## 6.2 Graphical View

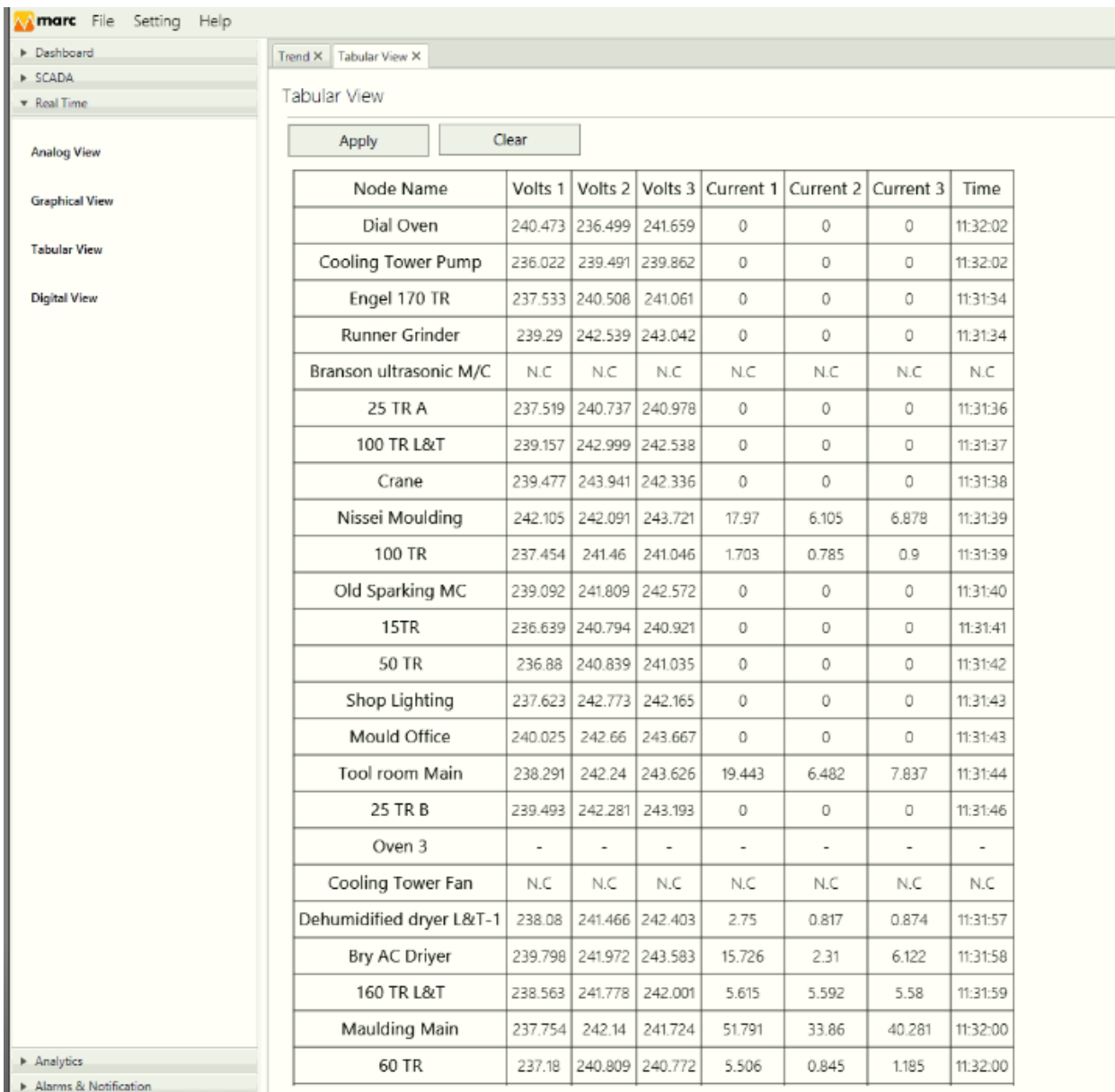
- Before clicking on “Apply” button, user have to select the desired node/s from list of nodes under “Node” tab and desired parameter/s from the list of parameters under the “Parameter” tab. User can also use the search tab to search for a particular node or parameter.
- Users can clear the earlier graphical view by clicking on the “Clear” button.





## 6.3 Tabular View

- Before clicking on “Apply” button, user have to select the desired node/s from list of nodes under “Node” tab and desired parameter/s from the list of parameters under the “Parameter” tab. User can also use the search tab to search for a particular node or parameter.
- Users can clear the earlier table view by clicking on the “Clear” button.



marc File Setting Help

Dashboard SCADA Real Time

Analog View

Graphical View

Tabular View

Digital View

Analytics

Alarms & Notification

Trend X Tabular View X

Tabular View

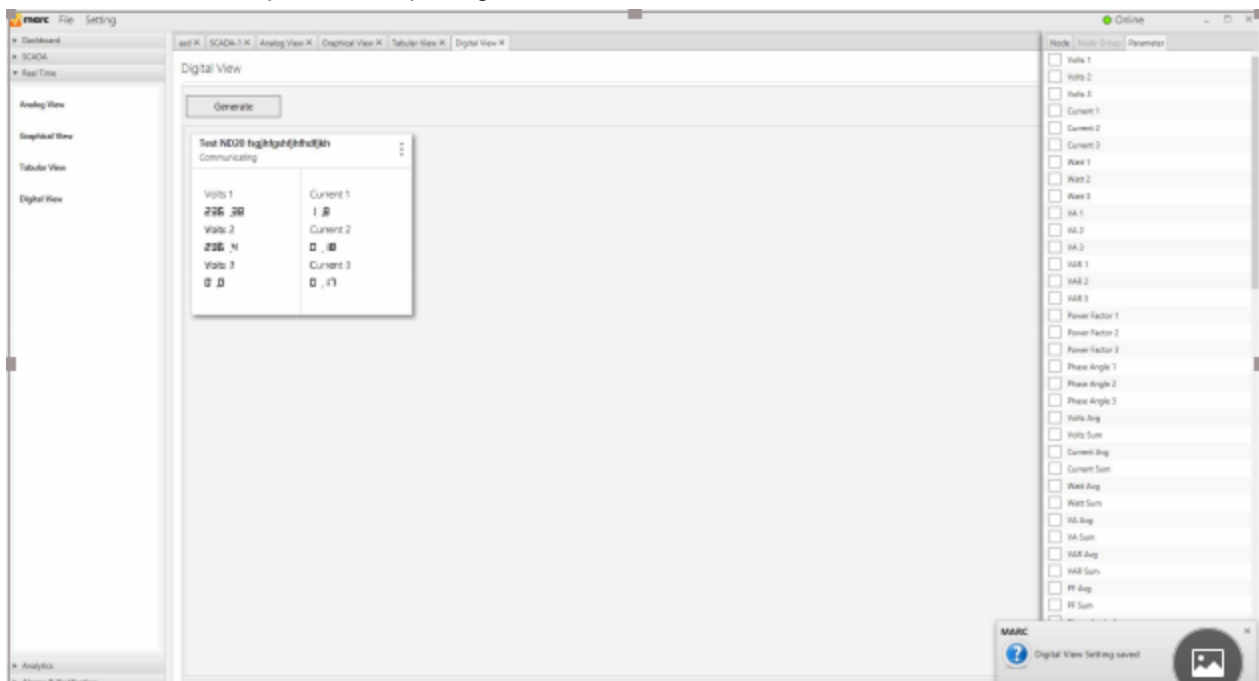
Apply Clear

Node Name	Volts 1	Volts 2	Volts 3	Current 1	Current 2	Current 3	Time
Dial Oven	240.473	236.499	241.659	0	0	0	11:32:02
Cooling Tower Pump	236.022	239.491	239.862	0	0	0	11:32:02
Engel 170 TR	237.533	240.508	241.061	0	0	0	11:31:34
Runner Grinder	239.29	242.539	243.042	0	0	0	11:31:34
Branson ultrasonic M/C	N.C	N.C	N.C	N.C	N.C	N.C	N.C
25 TR A	237.519	240.737	240.978	0	0	0	11:31:36
100 TR L&T	239.157	242.999	242.538	0	0	0	11:31:37
Crane	239.477	243.941	242.336	0	0	0	11:31:38
Nissei Moulding	242.105	242.091	243.721	17.97	6.105	6.878	11:31:39
100 TR	237.454	241.46	241.046	1.703	0.785	0.9	11:31:39
Old Sparking MC	239.092	241.809	242.572	0	0	0	11:31:40
15TR	236.639	240.794	240.921	0	0	0	11:31:41
50 TR	236.88	240.839	241.035	0	0	0	11:31:42
Shop Lighting	237.623	242.773	242.165	0	0	0	11:31:43
Mould Office	240.025	242.66	243.667	0	0	0	11:31:43
Tool room Main	238.291	242.24	243.626	19.443	6.482	7.837	11:31:44
25 TR B	239.493	242.281	243.193	0	0	0	11:31:46
Oven 3	-	-	-	-	-	-	-
Cooling Tower Fan	N.C	N.C	N.C	N.C	N.C	N.C	N.C
Dehumidified dryer L&T-1	238.08	241.466	242.403	2.75	0.817	0.874	11:31:57
Bry AC Driyer	239.798	241.972	243.583	15.726	2.31	6.122	11:31:58
160 TR L&T	238.563	241.778	242.001	5.615	5.592	5.58	11:31:59
Maulding Main	237.754	242.14	241.724	51.791	33.86	40.281	11:32:00
60 TR	237.18	240.809	240.772	5.506	0.845	1.185	11:32:00

## 6.4 Digital View

Before clicking on the “Generate” button, users have to select the desired node/s from list of nodes under “Node” tab and desired parameter/s from the list of parameters under “Parameter” tab, User can also use the search tab to search for a particular node or parameter.

NOTE: Max 6 parameters per digital view can be selected.



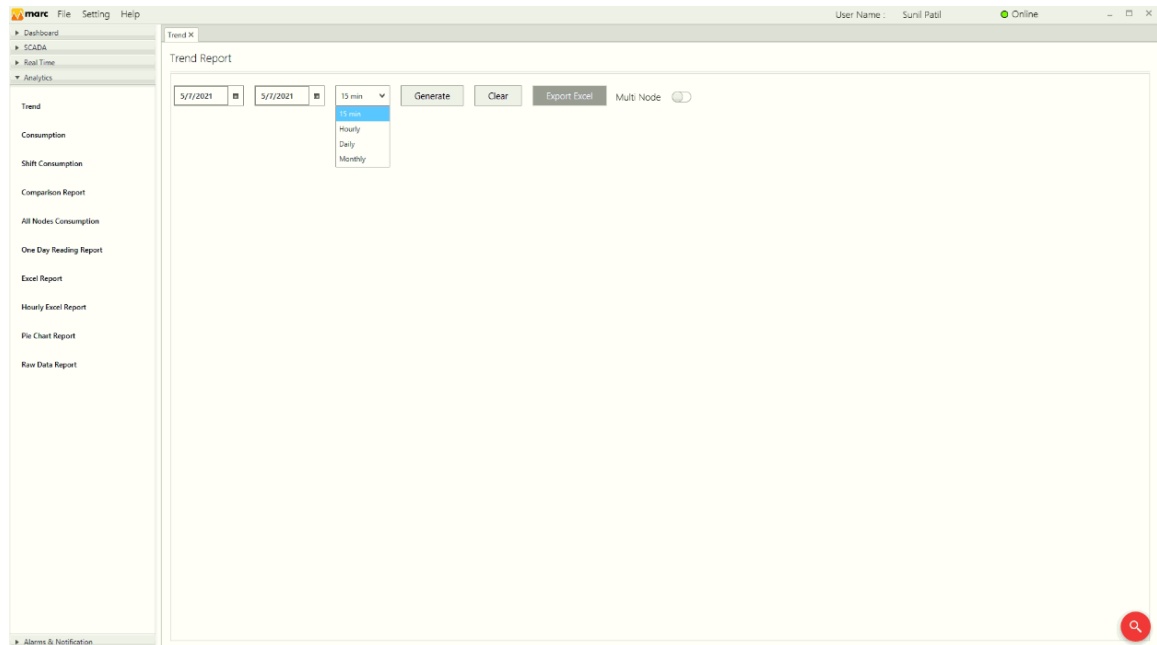
## 7. Analytics

Many standard reports are pre programmed under this tab.

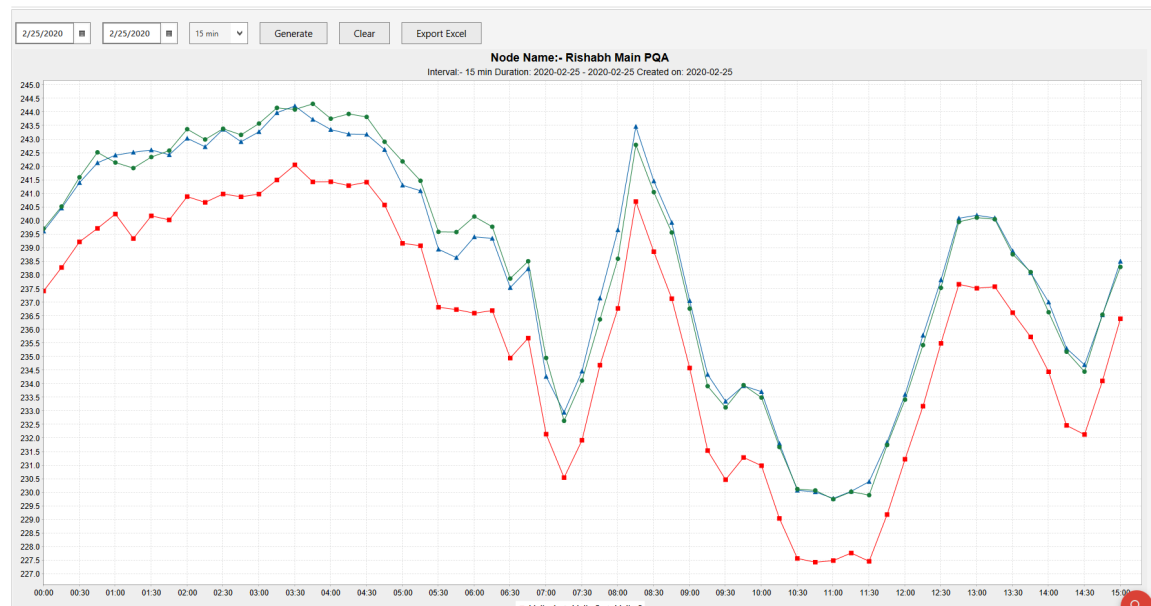
- 1) Trends
- 2) Consumption
- 3) Shift Consumption
- 4) Comparison Report
- 5) All Node Consumption
- 6) One Day Reading Report
- 7) Excel Report
- 8) Hourly Excel Report
- 9) Pie Chart Report
- 10) Raw Data Report

### 7.1 Trends

- Users have to give / select desired inputs (i.e. node/s, parameter/s, date, time, interval, etc.) while generating particular reports. Users get these inputs by clicking the right bottom side search button.
- There are 2 options for selection,
  - Multinode SingleParameter
  - Single Node Multi Parameter.
- Users can download reports by clicking on the “Export” button.



Trend Report



## 7.2 Consumption

- Users have to give / select desired inputs (i.e node/s, parameter/s, date, time, interval, etc.) while generating particular reports. Users get these inputs by clicking the right bottom side search button.
- Users can download reports by clicking on the “Export” button.

Consumption X

Consumption Report

2/23/2020

00

2/23/2020

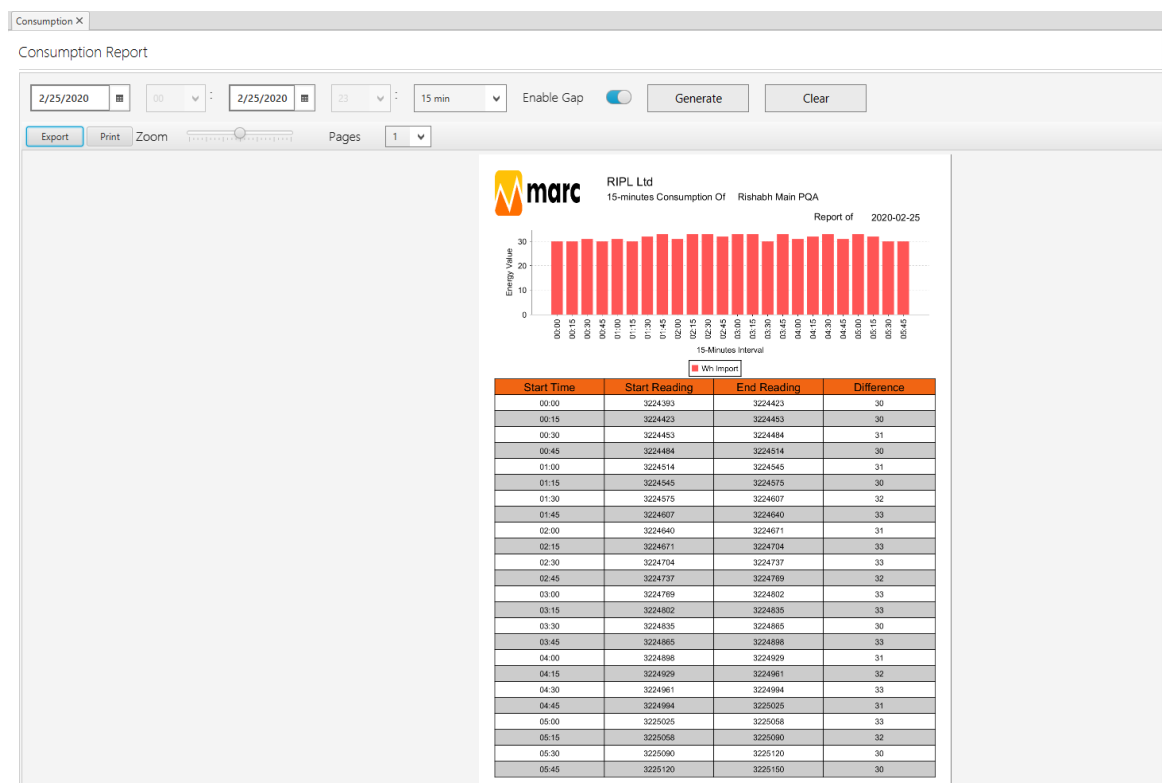
23

15 min

Enable Gap

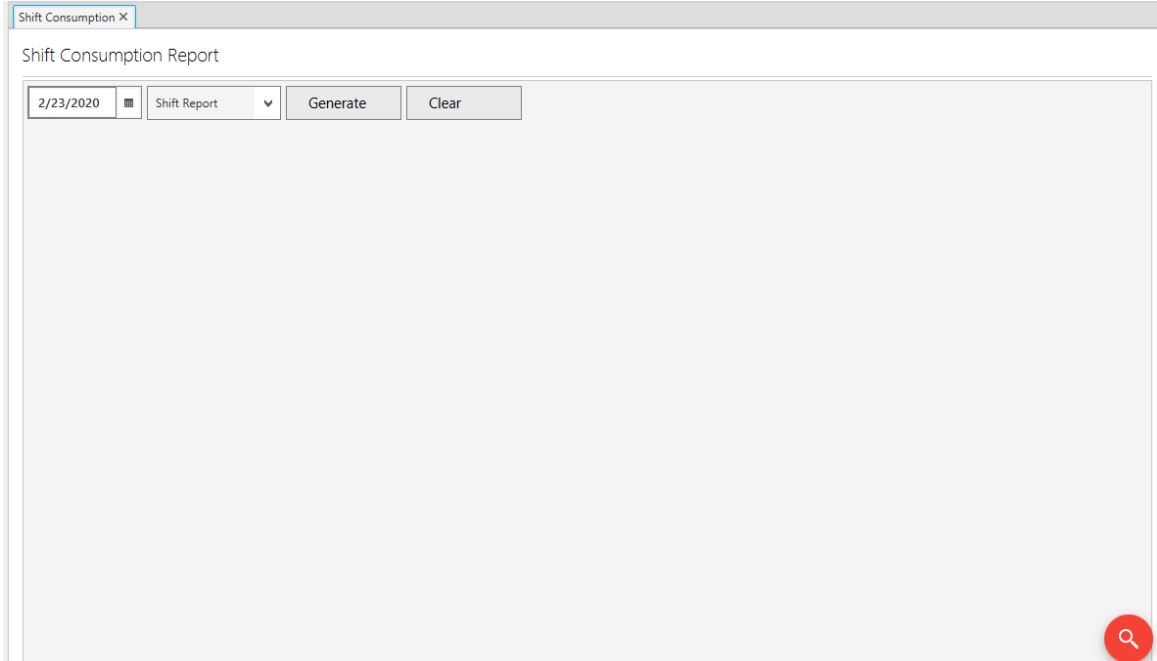
Generate

Clear



## 7.3 Shift Consumption

- Users have to select the shift time from the “Setting” tab. then select desired inputs (i.e. node/s, parameter/s, date, time, interval, etc.) while generating particular reports. Users get these inputs by clicking the right bottom side search button.
- Users can download reports by clicking on the “Export” button.



The screenshot shows a web application window titled "Shift Consumption X". Inside, there is a section labeled "Shift Consumption Report". Below this label, there is a form with a date input field containing "2/23/2020", a small square icon, a dropdown menu labeled "Shift Report", and two buttons labeled "Generate" and "Clear". The main area of the window is a large, empty light gray rectangle. In the bottom right corner of this area, there is a red circular button with a white magnifying glass icon, representing a search function.

marc File Setting Help

Dashboard  
SCADA  
Real Time  
Analytics

Trend  
Consumption  
Shift Consumption  
Comparison Report  
All Nodes Consumption  
One Day Reading Report  
Excel Report  
Hourly Excel Report  
Pie Chart Report  
Raw Data Report

Alarms & Notification

Shift Consumption X

Shift Consumption Report

5/7/2021 Shift Report Generate Clear

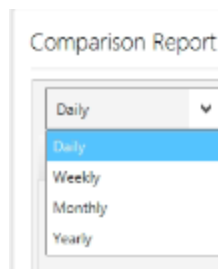
Export Print Zoom 175 Pages 1

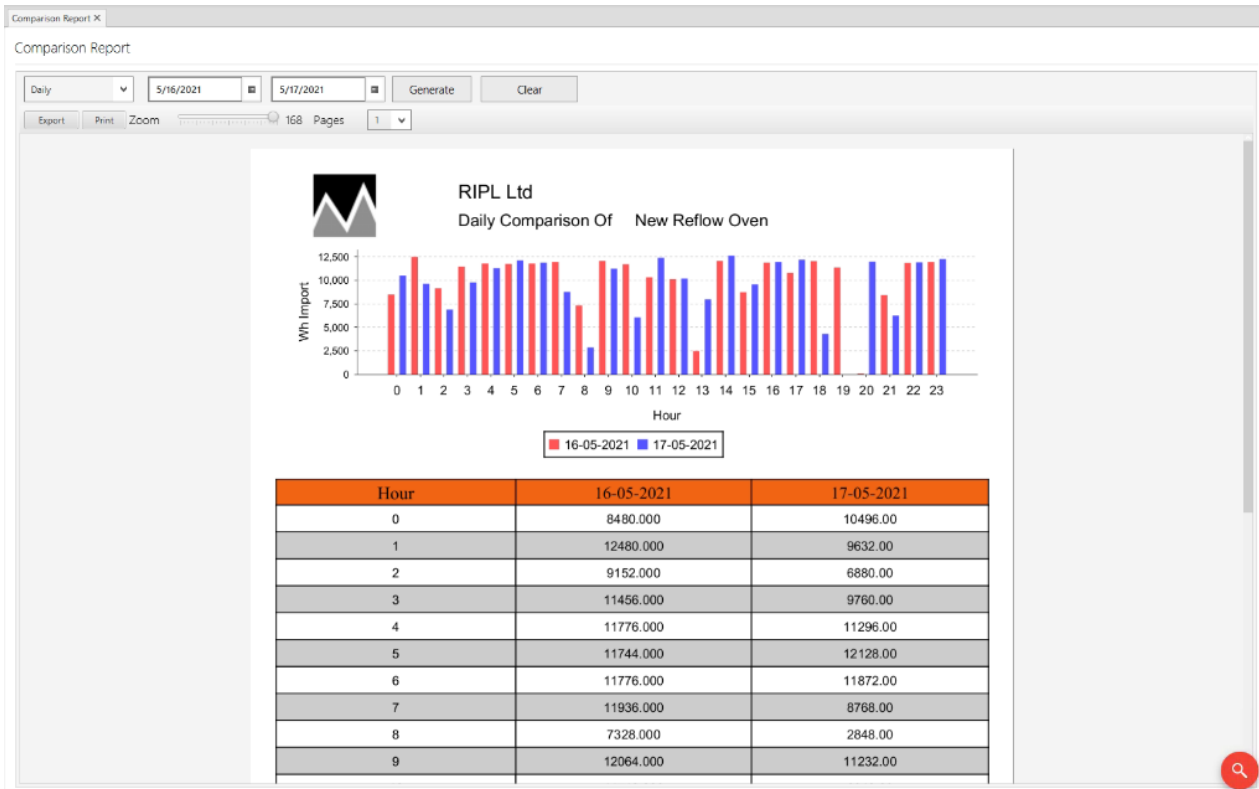
RIPL Ltd  
Report of Node Group : Molding Shop  
Parameter : Wh Import  
Report Date : FRI 2021-05-07

Node Name	Shift-1 08.00 - 16.30	Shift-2 16.30 - 01.00	Shift-3 01.00 - 08.00	Total
Cooling Tower Pump	5000.00	-	23800.00	28800.00
Engel 170 TR	27680.00	-	92384.00	120064.00
Runner Grinder	0.00	-	0.00	0.00
25 TR A	14352.00	-	48464.00	62816.00
100 TR L&T	12080.00	-	32208.00	44288.00
Crane	0.00	-	0.00	0.00
Nissei Moulding	26944.00	-	20144.00	47088.00
100 TR	23232.00	-	72176.00	95408.00
15TR	8032.00	-	25744.00	33776.00
50 TR	16768.00	-	54560.00	71328.00
Shop Lighting	0.00	-	0.00	0.00
Mould Office	0.00	-	0.00	0.00
25 TR B	14720.00	-	47760.00	62480.00
Cooling Tower Fan	-	-	-	-
Dehumidified dryer L&T-1	4628.00	-	9252.00	13880.00
Bry AC Dryer	14880.00	-	31032.00	45912.00

## 7.4 Comparison Report

- Users have to give / select desired inputs (i.e. node/s, parameter/s, date, time, interval, etc.) while generating particular reports. Users get these inputs by clicking the right bottom side search button. Note-The report should be one node, one parameter but two different time slots.
- Users can download reports by clicking on the “Export” button.
- There are four interval for selection,
  - 1)Daily
  - 2)Weekly
  - 3)Monthly
  - 4)Yearly





## 7.5 All Node Consumption

- Users have to give / select desired inputs (i.e. node/s, parameter/s, date, time, interval, etc.) while generating particular reports. Users get these inputs by clicking the right bottom side search button. Note-Maximum 2 parameters are allowable to selection.
- Users can download reports by clicking on the “Export” button.



All Nodes Consumption X

All Nodes Consumption Report

00

:

To

00

Generate

Clear

marc

File

Setting

Help

Trend X | All Nodes Consumption X

User Name : Sunil Patel

Online

All Nodes Consumption Report

3/6/2021

00

:

3/6/2021

23

Generate

Clear

Export


Print

Zoom

158

Pages

1



RIPL Ltd

All Node Consumption Report for: F-31 Plant

Report duration: 2021-05-06 00:00:00.0 - 2021-05-06 23:00:00.0

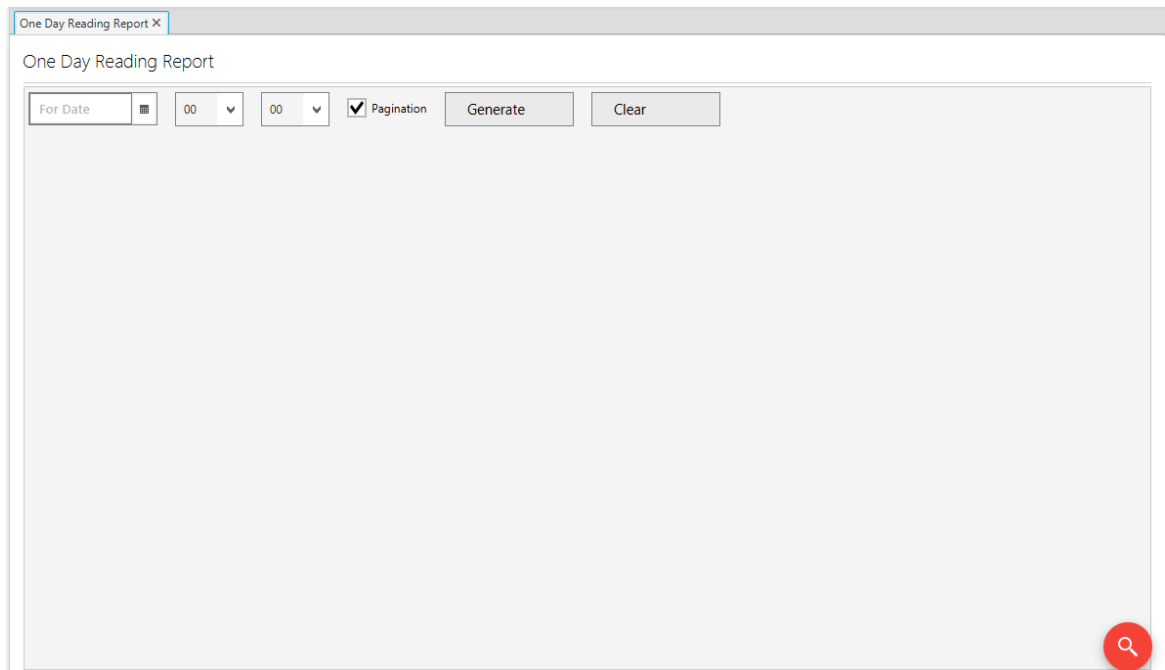
Parameters : Wh Import & Wh Export

Node Name	Parameter	Start		End		Consumption
		Date	Reading	Date	Reading	
Bagchi sir AC	Wh Import	2021-05-06	1897953.00	2021-05-06	1899043.00	1090.00
	Wh Export		1691.00		1691.00	0.00
10 KVA UPS	Wh Import	2021-05-06	243781040.00	2021-05-06	243911792.00	130752.00
	Wh Export		143.00		143.00	0.00
Old Sparking MC	Wh Import	2021-05-06	3563863.00	2021-05-06	3563864.00	1.00
	Wh Export		12712.00		14830.00	2118.00
New Reflow Oven	Wh Import	2021-05-06	313188672.00	2021-05-06	313405728.00	217056.00
	Wh Export		5.00		5.00	0.00
Maulding Main	Wh Import	2021-05-06	587086720.00	2021-05-06	588453310.00	1366590.00
	Wh Export		4966520.00		4966520.00	0.00
AC Unit 2	Wh Import	2021-05-06	291506208.00	2021-05-06	291838176.00	331968.00
	Wh Export		2.00		2.00	0.00
100 TR L&T	Wh Import	2021-05-06	113351720.00	2021-05-06	113431248.00	79528.00
	Wh Export		7.00		7.00	0.00
Non Ess Main Samyaka	Wh Import	2021-05-06	452442208.00	2021-05-06	453063744.00	621536.00
	Wh Export		127.00		127.00	0.00
RM Store 1	Wh Import	2021-05-06	12438825.00	2021-05-06	12446897.00	8072.00
	Wh Export		3.00		3.00	0.00

Alarms & Notification

## 7.6 One Day Reading Report

- Users have to give / select desired inputs (i.e. node/s, parameter/s, date, time, interval, etc.) while generating particular reports. Users get these inputs by clicking the right bottom side search button.
- Users can download reports by clicking on the “Export” button.



The screenshot shows a web application window titled "One Day Reading Report X". Inside the window, the title "One Day Reading Report" is displayed. Below the title, there is a form with several input fields and buttons. The form includes a "For Date" field, a small square icon, two dropdown menus showing "00", a checked "Pagination" checkbox, a "Generate" button, and a "Clear" button. A large, empty light gray area occupies the main part of the window. In the bottom right corner of the window, there is a red circular button with a white magnifying glass icon, which is the search button mentioned in the text.

One Day Reading Report X

One Day Reading Report

2/24/2020 00:00 ☐ Pagination

Zoom  1

Node Name	Wh Import
Cooling Tower Pump	73209088.00
Engel 175 TR	287937568.00
Runner Grinder	6857545.00
25 TR A	110020608.00
100 TR L&T	75876472.00
Grain	30263448.00
Nasal Moulding	87124520.00
100 TR	113622588.00
15TR	13014452.00
50 TR	342397068.00
Shop Lighting	7276438.00
Mould Office	18417512.00
25 TR B	77745424.00
Cooling Tower Fan	11056415.00
Dehumidified dryer L&T-1	42035528.00
By AC Dryer	68863712.00
160 TR L&T	178116312.00
60 TR	388236032.00
Dehumidified dryer L&T-2	51381768.00

Report of MON 2020-02-24 00:00

EnergySolution Labs Page 1 of 1 Report Generation Date: 25-Feb-20

## 7.7 Excel Report

- Total 3 reports provided.
  - 1) 15 min Report of a day
  - 2) Daily Report of a month
  - 3) Monthly Report of a year
- Out of these three, the first two reports are scheduler reports and also have a facility to generate any report as per user selection date manually.
- Single users can create multiple reports
- Users have to download the template after selecting desired inputs (i.e. node/s, parameter/s etc).
- Users have to do the required changes in the template by adding a new sheet and upload this template on the "Upload template" tab.

Note- Do not edit the filled information sheet in the template. Refer filled sheet to create required new sheet.

Excel Report X

Excel Report

Add New Event

Sr.No	Report Name	Interval	Active Status	Scheduled Time	Send Email to	Modification Time	Edit	Delete
1	FifteenMin	Fifteen Minute	yes	17:06	vikram.udawant@goesl.co	2021-05-04 17:5	Edit	Delete
2	Daily OddTime Report	Daily	yes	-	-	2021-05-03 17:56	Edit	Delete
3	Daily Excel Report	Daily	yes	10:50	vikram.udawant@goesl.co	2021-05-02 17:36	Edit	Delete
4	TestCount	Monthly	no	-	-	2021-05-02 17:30	Edit	Delete
5	Monthly	Monthly	yes	15:30	mahesh.palade@goesl.co	2021-05-02 15:17	Edit	Delete

Excel Report Form

Report Name: FifteenMin Interval: Fifteen Minute Day Start Time Hour: 00

Active Status: Yes Auto mail Setting: ☒ Auto mail

Select Email Frequency Daily At Hour: 17 Minute: 06

Node and Parameter Selection

Search Nodes

☐ Select All Nodes

- ☒ Dial Oven
- ☒ Anihant Non ESS Main
- ☒ Cooling Tower Pump
- ☒ Sifarm/Transformer AC
- ☒ Engel 170 TR
- ☒ Bagchi sir AC
- ☒ Bay 2 Room Temp
- ☒ New Reflow Oven
- ☒ Bay 4 Room Temp

Search Parameters

☐ Select All Parameters

- ☐ Volts 1
- ☒ Volts 2
- ☐ Volts 3
- ☐ Current 1
- ☐ Current 2
- ☐ Current 3
- ☐ Watt 1
- ☐ Watt 2
- ☐ Watt 3

Select Values

- ☒ min
- ☒ max
- ☒ average
- ☒ start reading
- ☒ end reading
- ☒ difference

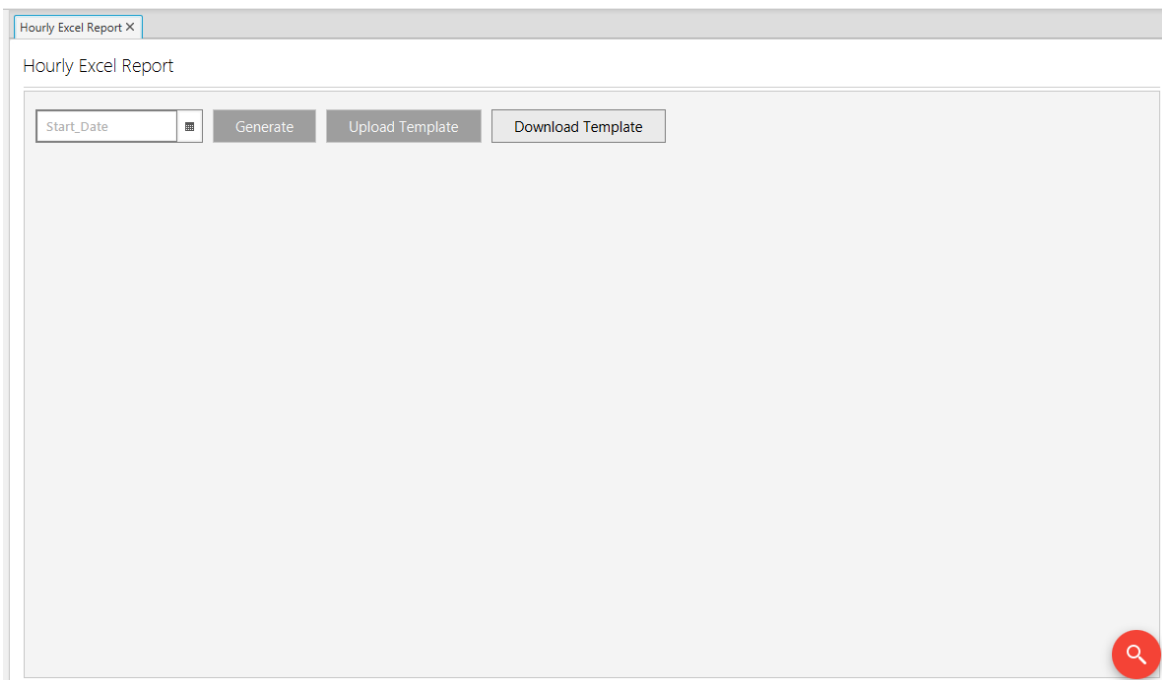
Download Default Template Upload Server Template Download Server Template

Save Settings Generate Manual Report

## 7.8 Hourly Excel Report

- Users have to download the template after selecting desired inputs (i.e. node/s, parameter/s etc). Users get these inputs by clicking the right bottom side search button.
- Users have to do the required changes in the template and upload this template on the “Upload template” tab.

Note- Do not edit the filled information in the template. Refer filled sheet to create required new sheet.



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Text to Columns

Format as Table

Symbol

AutoSum

AutoFilter

Sort

Format

Rows and Columns

Worksheet

Freeze

Find

Repl

Online Templates

MARC Excel...1374ef04is

MARC Excel...31\_Amit.xls

MARC Excel...ead-only

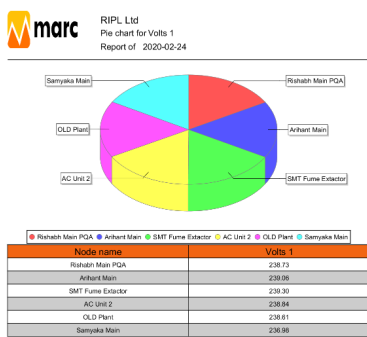
L12

fx

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Volts 1																	
2	Date 2019-09-09																	
3	Node-ID	Node-Address	Node-Name	Hour-0			Hour-1			Hour-2			Hour-3			Hour-4		Hour-5
4				Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
5	54009	13	Anihant Non ESS Main	244.64	247.65	246.271	244.96	248.44	246.4676	245.66	248.63	247.230	245.84	249.247	245.371	246.01	248.42	247.0311
6	55111	13	Anihant Non ESS Main	245.73	245.17	244.289	245.96	245.87	244.4417	243.99	246.57	245.2016	244.42	246.65	245.7574	244.16	246.26	245.0864
7	46776	20	Cooling Tower Pump	232.62	239.38	237.5666	235.44	239.79	237.6631	235.63	241.08	238.6181	236.36	240.93	239.1335	236.51	240.43	238.5081
8	72875	14	Sifram/Transformer AC	243.03	245.32	244.3284	243.32	245.74	244.4833	244.3	246.44	245.2566	244.55	246.79	245.8205	244.33	246.22	245.1845
9	43224	18	Engel 170 TR	237.36	240.41	238.9772	237.64	240.86	239.0755	237.67	242.17	240.0231	238.65	242.4	240.464	238.42	241.62	239.9894
9	40742	15	Bagchi sir AC				243.3	247.59	245.7863	243.46	247.91	245.7408	244.25	248.36	246.6028	244.63	248.2	246.4618
11	28211	29	Bay 2 Room Temp															
11	27085	23	New Reflow Oven	242.74	245.37	244.2119	243.93	245.82	244.2797	244.03	246.09	245.1583	244.43	246.66	245.7876	244.14	246.03	245.0186
12	24846	31	Bay 4 Room Temp				242.93											
14	39081	22	EQ Main Line Room Temp															
15	29018	18	Inverter-2	240.48	243.1	242.0797	240.86	243.62	242.4005	242.17	244.46	243.2697	242.21	244.7	243.63	241.71	244.14	243.0209
16	42073	31	PQ/240D/Conv/Sifrom Line															
16	25774	5	Rishabh Main	242.48	244.56	243.5072	242.67	244.77	243.7653	243.68	245.45	244.4802	244.13	245.79	245.0703	243.67	245.01	244.4128
17	34152	7	Brook House															
18	32063	13	Bay 1	239.33	241.73	240.5332	239.75	241.8	240.7469	240.8	242.59	241.528	240.99	242.97	242.0992	240.54	242.14	241.3975
19	29854	24	Runner Grinder	238.81	242.26	240.4277	238.53	242.6	240.5379	239.9	241.81	241.6814	240.27	243.66	242.0211	239.66	242.88	241.2841
20	45476	30	Bay 3 Room Temp															
21	38926	2	Branson ultrasonic M/C															
22	43789	11	25 TR A	236.48	240.7	238.7513	237.14	240.69	238.8538	237.28	241.94	239.9139	238.06	242.13	240.0217	238.29	241.41	239.604
23	20675	27	Inverter-1	240.33	243.45	242.2725	240.45	243.65	242.0653	241.81	244.51	243.1099	242.45	244.85	243.4825	242.03	243.89	243.0925
24	48121	18	40 Ton Hensal press	240.43	243.33	241.8297	240.39	243.43	241.8819	241.21	244.11	242.8021	242.09	244.33	243.1988	241.69	243.69	242.7628
25	20199	9	CAM Switch	242.81	245.18	244.0425	242.99	245.47	244.1981	243.71	246.28	244.9741	244.04	246.81	245.5414	243.99	246.01	244.8954
26	35348	19	16 Ton Hensal Main	242.44	245.32	244.1857	244.15	246.05	244.9473	244.41	246.43	245.5584	244.91	245.85	244.8295	244.91	245.96	244.8295
27	47142	19	16 Ton Hensal Main	240.36	246.65	241.6725	240.62	243.49	241.9606	241.21	244.48	242.7702	241.57	244.4	243.1934	241.61	243.72	242.8028
28	30916	28	EQ/PQ/240D AC	242.32	244.71	243.6817	242.74	245.01	243.8164	243.73	245.52	244.6102	241.1	246.28	245.1885	243.71	245.43	244.5376

## 7.9 Pie Chart Report

- Users have to give / select desired inputs (i.e. node/s, parameter/s, date, time, interval, etc.) while generating particular reports. Users get these inputs by clicking the right bottom side search button.
- Users get a Pie chart of multi node single parameter.



## 7.10 Raw Data Report

- Users have to give / select desired inputs (i.e. node/s, parameter/s, date, time, interval, etc.) while generating particular reports. Users get these inputs by clicking the right bottom side search button.

Raw Data Report X

Raw Data Report

Date

00

00

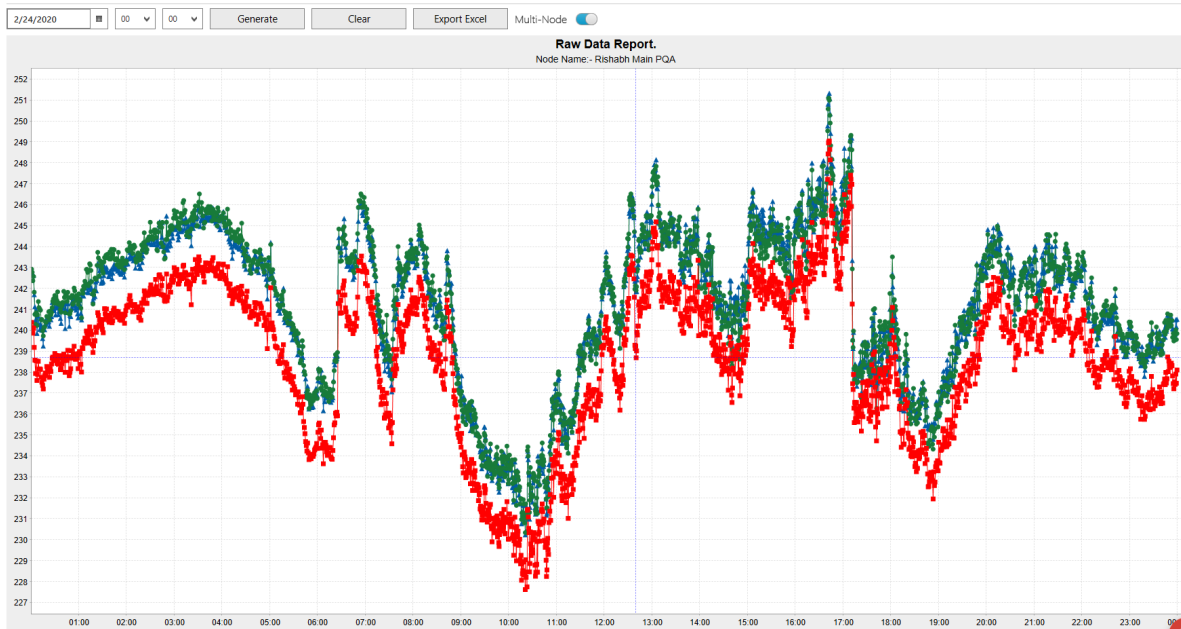
Generate

Clear

Export Excel

Multi-Node

# Raw Data Report





## 8. Alarm and Notification

### 8.1 Summary

All received alarm & notification listings are given in the summary page.

Summary X

Summary

2 Alarms Set

0 Notifications Set

0 Alarms went on since yesterday

0 Notification went on since yesterday

Type

Alarm

Refresh

Node	Type	Description	Message	Date	Acknowledge	Acknowledge User	Acknowledge Time	Acknowledge Message
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-05-05 10:40:36.4...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-05-04 17:20:02.9...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-05-04 16:15:18.1...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-05-04 14:36:14.9...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-05-04 12:25:33.1...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-05-04 11:31:47.9...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-05-04 11:19:30.2...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-05-03 17:48:36.7...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-05-03 15:19:20.7...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-05-03 12:33:47.6...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-05-03 11:45:49.7...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-05-02 18:20:54.8...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-05-02 17:50:25.4...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-05-02 09:10:13.7...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-04-28 17:09:48.8...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-04-28 17:03:17.6...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-04-28 15:32:56.8...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-04-28 15:24:45.3...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-04-23 15:32:09.5...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-04-19 15:13:22.4...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-04-19 15:05:37.0...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-04-19 14:25:23.9...	No	-	-	-
Rishabh Main	Alarm	(Rishabh Main Current...	Test	2021-04-19 14:18:35.5...	No	-	-	-

### 8.2 Setting

#### 8.2.1 Alarm

- Click on “Add” button to add new Alarm or Notification

Setting X

Alarms And Notification

Add

- Enter and select the name for Alarm.  
Click on the “Create” button to add a new Alarm. You will get a new screen (as shown in next image) for configuring it further in detail.

Create Alarm/Notification X

Name

Type

Create Close

Alarm Builder
×

E-mail

Mobile

Message

☒ E-mail
☒ Sms

Operation

Operation
▼
(
)
Clear

☐ Alarm Action

☐ Time Bound

Select Time

First clear old equation and then generate new one

Expression (node Volts 1>200)

Submit Equation

- Users have to fill above screen details, Email ID, Mobile, Message, Need to create the alarm condition. After that generate and submit the equation. Sample Equation format- "(Metername Parameter Operator Constant)".

**Alarm Action-** Users have provision to write any parameters value after satisfying the alarm condition.

**Time Bound-** Users have provision to check the alarm condition on a given time set in the time bound.

Alarm Action ×

Select Node ▼

Select Parameter ▼

Value

Add

Action

Expression

Clear

Submit

Please Select Time ×

Hour

Minute

Start Time

00 ▼

00 ▼

End Time

00 ▼

00 ▼

OK

Cancel

- Users can “Edit” and “Delete” the alarm, Also have a facility to turn off the alarm by using the toggle button.

Alarms And Notification

Add

⌚ Alarm 1

⏻

✎

🗑

## 8.2.2 Notifications

- Click on the “Add” button to add new Notification.

Setting X

Alarms And Notification

Add

- Enter and select the name for Notification.
- Click on the “Create” button to add a new Alarm. You will get a new screen (as shown in the next image) for configuring it further in detail.

Create Alarm/Notification X

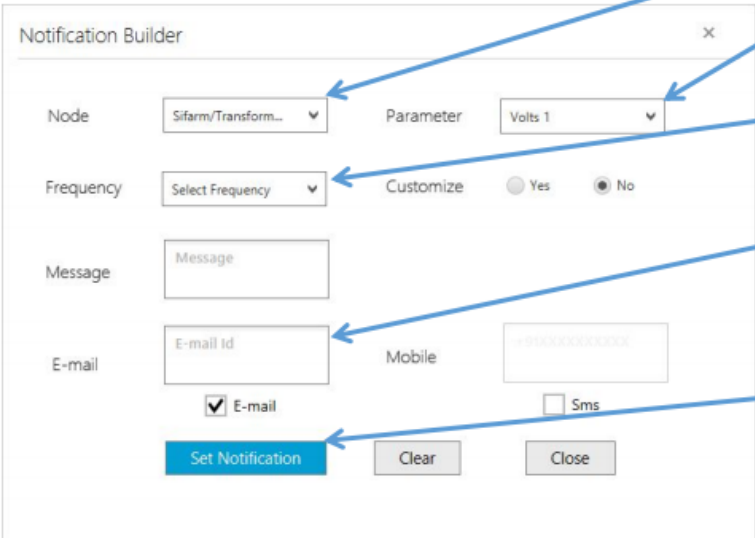
Name

Type 

Select Type ▼

Create Close

- Users have to enter and select the required information given in the screen below.  
Customize- If users want to customize the notification by clicking the “Yes” button and entering the interval counts.  
(Interval count is a count which depends on frequency and sends notification at the rate of frequency in given intervals).



Notification Builder

Node: Sifarm/Transform... Parameter: Volts 1

Frequency: Select Frequency Customize: ☐ Yes ☒ No

Message: Message

E-mail: E-mail Id Mobile: +91XXXXXXXXXX

☒ E-mail ☐ Sms

Set Notification Clear Close

Annotations:

- Select desired node from the list of nodes
- Select desired parameter from the list of parameters
- Select one frequency from Hourly, Daily, Monthly, etc. option
- Enter the list of email addresses (just comma separate) want to receive this notification
- Finally click on the "Set Notification" button to save the settings

- In case user wants to set interval frequency in the multiple of hours or days or months, etc., then select "Yes" option for "Customize" settings. Here base interval will be as per selection in the "Frequency" input field and multiple of it will be decided based on the input value given in the "Interval" field.  
e.g. if user wants to get notification for every 3 hours, then user have to set  
"Frequency" = "Hourly"  
"Customize" = "Yes"  
"Interval" = "3"

## Notification Builder



Node

node



Parameter

Volts 1



Frequency

Hourly



Customize

☒ Yes

☐ No

Message

Voltage

Interval

2

E-mail

maresh.palde@goesl.c



☒ E-mail

Mobile

+919404540386

☒ Sms

Set Notification

Clear

Close

- Users can "Edit" and "Delete" the alarm, Also have a facility to turn off the alarm by using the toggle button.

 Notification 1
 

☒



## 8.3 Acknowledgements

User has to acknowledge the alarm by writing some corrective action message.

Alarm Acknowledgement X				Refresh	
Alarm Acknowledgement					
Amit Test	2021-05-05-10:40:36.488	Node: Rishabh Main...	Message	Acknowledge	
Amit Test	2021-05-04-17:20:02.922	Node: Rishabh Main...	Message	Acknowledge	
Amit Test	2021-05-04-16:15:18.134	Node: Rishabh Main...	Message	Acknowledge	
Amit Test	2021-05-04-14:36:14.945	Node: Rishabh Main...	Message	Acknowledge	
Amit Test	2021-05-04-12:25:33.156	Node: Rishabh Main...	Message	Acknowledge	
Amit Test	2021-05-04-11:31:47.948	Node: Rishabh Main...	Message	Acknowledge	
Amit Test	2021-05-04-11:19:30.245	Node: Rishabh Main...	Message	Acknowledge	
Amit Test	2021-05-03-17:48:36.736	Node: Rishabh Main...	Message	Acknowledge	
Amit Test	2021-05-03-15:19:20.764	Node: Rishabh Main...	Message	Acknowledge	
Amit Test	2021-05-03-12:33:47.684	Node: Rishabh Main...	Message	Acknowledge	
Amit Test	2021-05-03-11:45:49.741	Node: Rishabh Main...	Message	Acknowledge	
Amit Test	2021-05-02-18:20:54.821	Node: Rishabh Main...	Message	Acknowledge	
Amit Test	2021-05-02-17:50:25.441	Node: Rishabh Main...	Message	Acknowledge	
Amit Test	2021-05-02-09:10:13.780	Node: Rishabh Main...	Message	Acknowledge	
Amit Test	2021-04-28-17:09:48.827	Node: Rishabh Main...	Message	Acknowledge	



