

PIHAK BERKUASA PEMBANGUNAN TENAGA LESTARI SUSTAINABLE ENERGY DEVELOPMENT AUTHORITY (SEDA) MALAYSIA

USER MANUAL

FOR

ONLINE ENERGY MONITORING CLOUD PLATFORM

PREPARED BY

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1.1 ACCESSING THE LOGIN PAGE

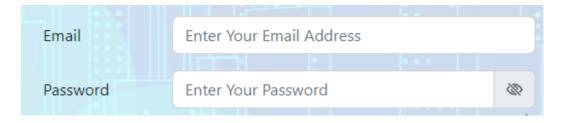
STEP 1: Open a browser (Chrome / Mozilla / IE / Safari) from the desktop and type in the following URL in the address bar.

https://monitoring.seda.gov.my/



1.2 LOGGING IN AS A USER

STEP 1: Enter the credentials provided to you to login as a user account. This page is the default page for all user types in the system.



STEP 2: If you wish to see your password after typing it, you can click on the eye icon on the right side of the "Password" data entry box.



STEP 3: You can then click on the "Login" button to log into the system.



1.3 FORGOT PASSWORD

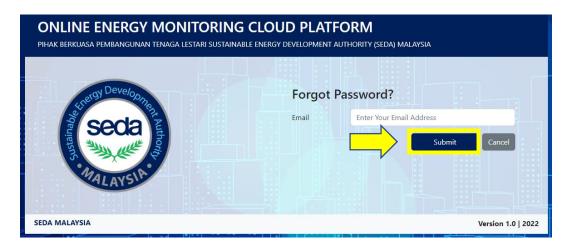
STEP 1: Click on the "Forgot Password" link on the login page.



STEP 2: You will see the page as below. Key in your email account that was used to access the system.



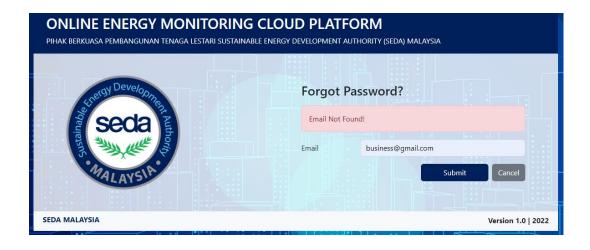
STEP 3: You can then click on the "Submit" button to get a password reset link.



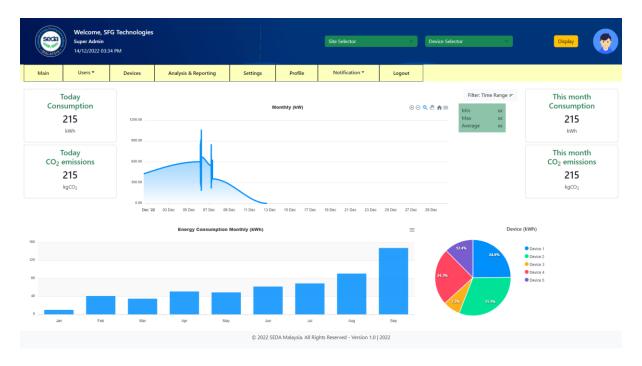
If your email account is previously registered on the system, you will see the status message as below.



If your email account was not previously registered on the system, you will see the status message as below. This means you have used a wrong email account to retrieve your password. You must enter the correct email address.



2.1 ACCESSING THE DASHBOARD



STEP 1: You will see the dashboard display as above.

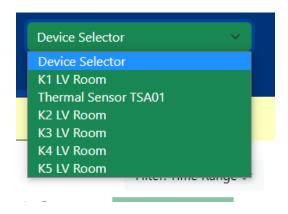
2.2 UNDERSTANDING THE TOP SECTION



STEP 1: You can select the site for which the dashboard will display the data.



STEP 2: You can select the device for which the dashboard will display the data.



STEP 3: You can click on the "Display' button which will make the dashboard view as full screen.





2.3 UNDERSTANDING THE MAIN MENU

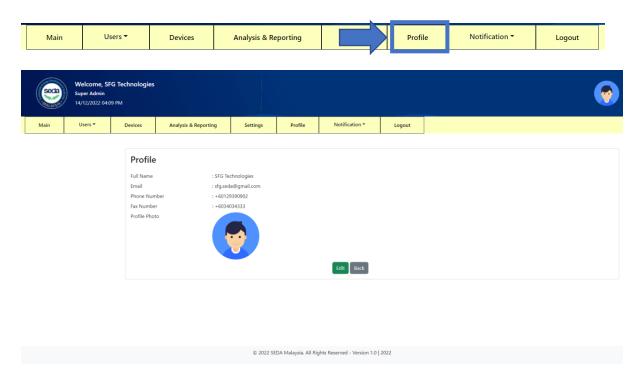
Main	Users ▼	Devices	Analysis & Reporting	Settings	Profile	Notification ▼	Logout

STEP 1: You can review the following items on the menu as per the table below:

Menu Name	Menu Sub Page(s)	User Type	Purpose	
Main	None	All	Show the dashboard	
	Manage All Users	Super Admin & Admin only		
	Manage Installers	Super Admin & Admin only		
Users	Manage Admins	Super Admin only	Manage users' functions	
	Manage Site Users	Super Admin & Admin only		
	Manage Public Users	Super Admin & Admin only		
Devices	None	All	Shows the device settings	
Analysis & Reporting	None	All	Shows the reporting feature	
Settings	None	All	Shows the general settings	
Profile	None	All	Shows the user profile settings	
	System Alarm Summary	All		
Notifications	Create New Alarm	Super Admin & Manage system Admin only		
	Notification Recipient List	Super Admin & Admin only		

3.0 ACCOUNT PROFILE

3.1 VIEWING YOUR SYSTEM ACCOUNT PROFILE

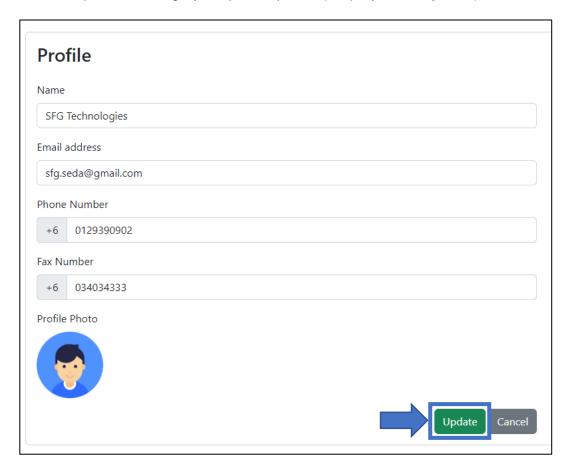


STEP 1: You will now be viewing your profile on the system. You can click on the "Edit" button to make a change to your profile.

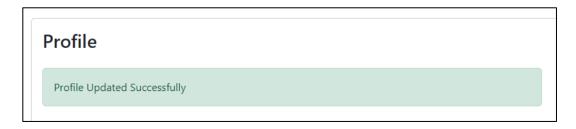


3.2 EDITING YOUR SYSTEM ACCOUNT PROFILE

- STEP 1: You will now be viewing the edit profile page on the system. You can make changes to the below data sets:
 - Username (Displayed on system)
 - > Email address (Required to login)
 - > Phone number
 - > Fax number
 - Upload / change your profile photo (Displayed on system)

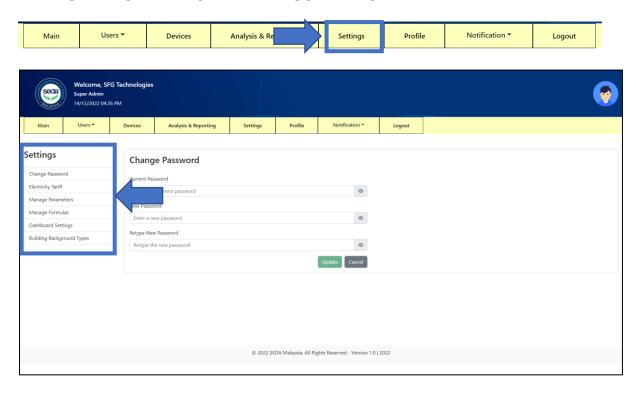


After editing, you can then click on the "Update" button to save the changes to your profile and a status message will appear as below:



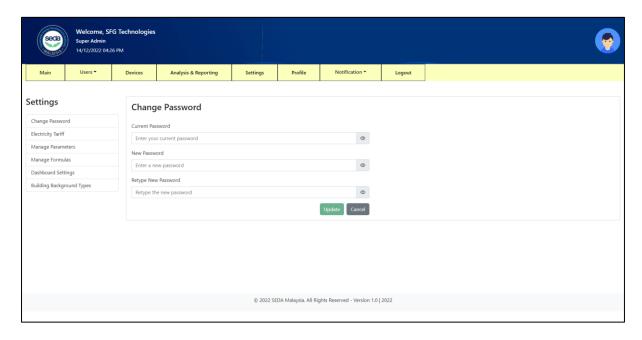
4.0 GENERAL SETTINGS

4.1 UNDERSTANDING THE LEFT SUB-MENU



Left Menu Name	User Type	Purpose
Change Password	All	Show the password settings
Electricity Tariff	Super Admin & Admin only	Shows the settings to change the system electricity tariff
Manage Parameters	Super Admin, Admin & Installer only	Shows the device parameter settings to set the system formula for computation
Manage Formulas	Super Admin, Admin & Installer only	Shows the formula settings to be set for computation
Dashboard Settings	All	Shows the options to select system dashboard view
Building Background Types	Super Admin & Admin only	Shows the building settings

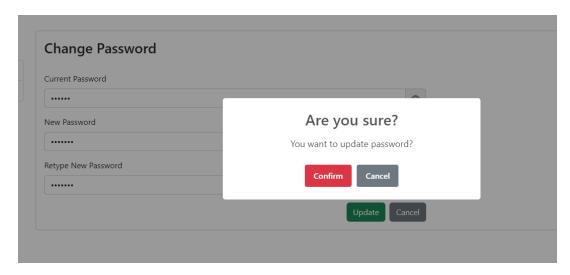
4.2 CHANGING YOUR SYSTEM PASSWORD



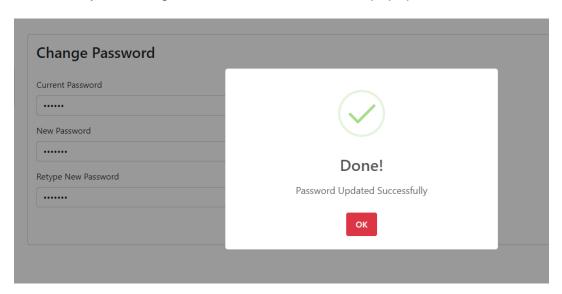
- STEP 1: You will now be viewing the edit password page as default landing page. You can make changes to the below data sets:
 - Current system password
 - New password
 - Retype new password
- STEP 2: After editing, you can then click on the "Update" button to save the changes to your profile:



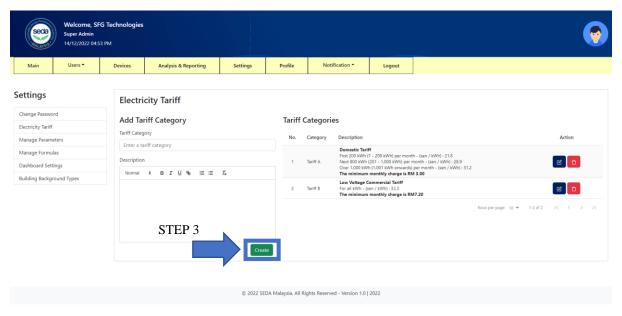
STEP 3: After clicking on "Update", you can then click on the "Confirm" button to save the changes to your profile:



STEP 4: After clicking on "Confirm", you will then see the status message as below to confirm your change. Click on "Ok" to close the popup.



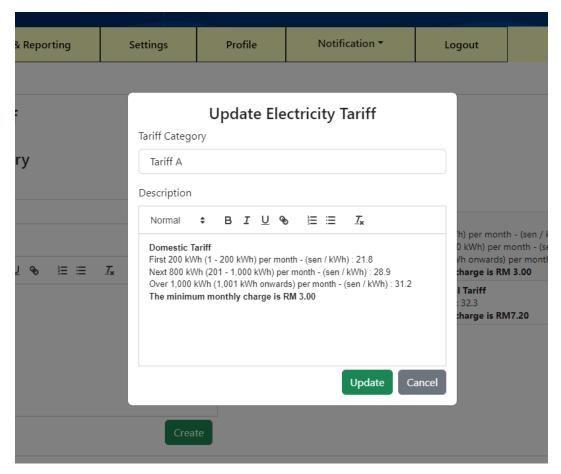
4.3 CREATING / EDITING ELECTRICITY TARIFF



- STEP 1: You will now be viewing the page as above. On the left section, you can add a new tariff category, while on the right section you can see a list of all tariff categories saved in the system.
- STEP 2: Add Tariff Category: You can make changes to the below data sets:
 - > Tariff category name
 - Description of tariff
- STEP 3: You can click on the "Create" button to save the data for tariff category.

STEP 4: To edit a tariff category, click on the "Edit' button on the table.

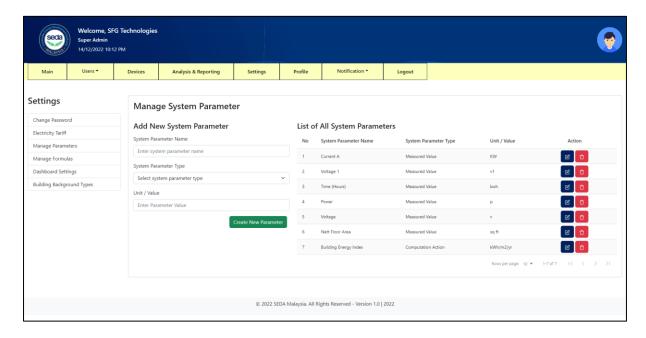




After editing, you can click on the "Update" button to save the changes. You will see a status message as below:



4.4 MANAGE SYSTEM PARAMETERS



STEP 1: You will now be viewing the page as above. On the left section, you can add a new system parameter in the system, while on the right section you can see a list of all system parameters saved in the system.

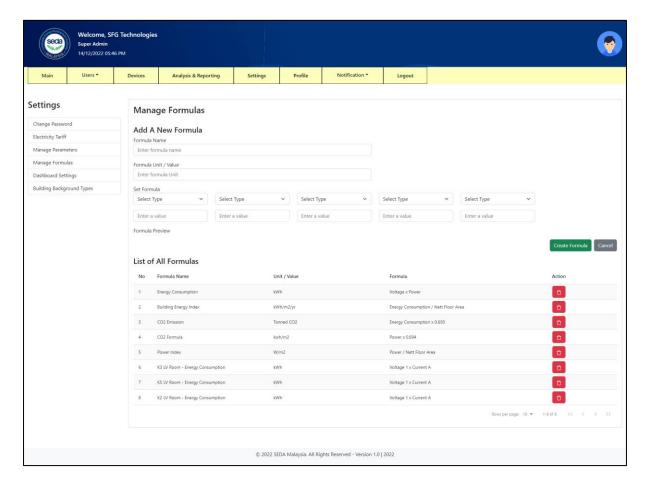
NOTE: The system parameter here are for the use in system formulas.

STEP 2: Add New System Parameter: You can make changes to the below data sets:

- System Parameter name
- System Parameter Type
 - Measured Value (This data will come from gateway)
 - Default Value (This is for fixed values such a K Value)
- Unit / Value
- STEP 3: You can click on the "Create New Parameter" button to save the data for parameter name which will be displayed on the right section.
- STEP 4: Edit System Parameter: You can edit the system parameter by clicking on the "Edit" button

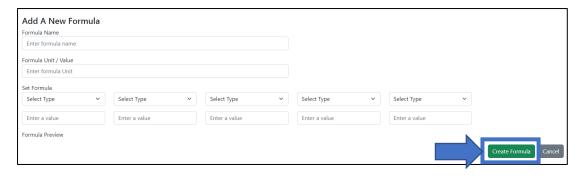


4.5 MANAGE FORMULAS



- STEP 1: You will now be viewing the page as above. On the top section, you can add a new formula in the system, while on the bottom section you can see a list of all formulas saved in the system.
- STEP 2: Add A New Formula: You can make changes to the below data sets:
 - Formula Name
 - Formula Unit / Value
 - Set Formula Select Type:
 - System Parameter (As set in Manage Parameter page)
 - Operator (Fixed in system + | | / | * | =)
 - Formula (To add existing formulas to a new formula)
 - Default Value (For default values such as K value, etc)
 - Text (For other computation values)

STEP 3: Create New Formula: You can click on "Create Formula" button to save.

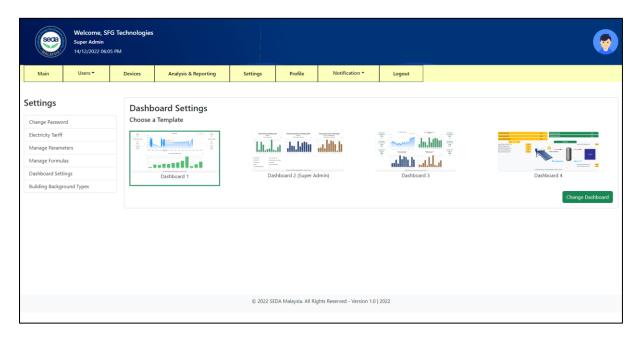


STEP 4: You can then view the list of system formulas in the table below:



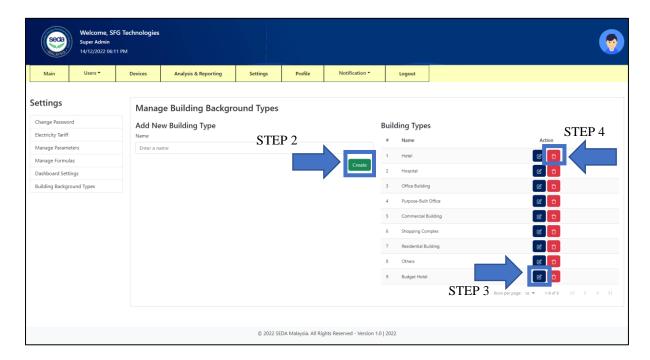
STEP 5: You can delete the system formulas by clicking on the "delete" button in the table.

4.6 DASHBOARD SETTINGS



- STEP 1: You will now be viewing the page as above. You can select a pre-determined dashboard layout from this page to be set as a default layout for your system dashboard.
- STEP 2: Choose a Template : You can select a template as below:
 - Dashboard 1
 - Dashboard 2
 - Dashboard 3
 - Dashboard 4
- STEP 3: Setting a Template: Once selected, you can click on the "Change Dashboard" button to set the default template. You will be automatically redirected to the dashboard page after this action.

4.7 BUILDING BACKGROUND TYPES



- STEP 1: You will now be viewing the page as above. On the left section, you can add a new building type in the system, while on the right section you can see a list of all building types saved in the system.
- STEP 2: Add New Building Type: You can add a building type and click on "Create" button to save the building type. After creating, the building type will appear in the table on the right.
- STEP 3: Editing A Building Type: You can click on the "Edit" button to edit the building type. After editing, you can click "Save" as below image to update the data.

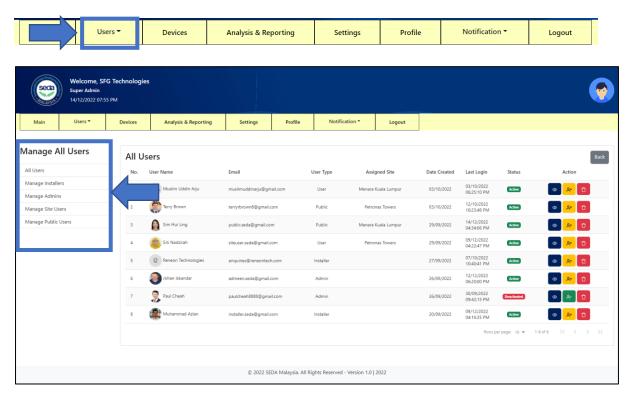


STEP 4: Delete Building Type: You can delete a building type by clicking on "Delete" button on the table to delete the building type.

Warning: This action will automatically delete the building type from the system.

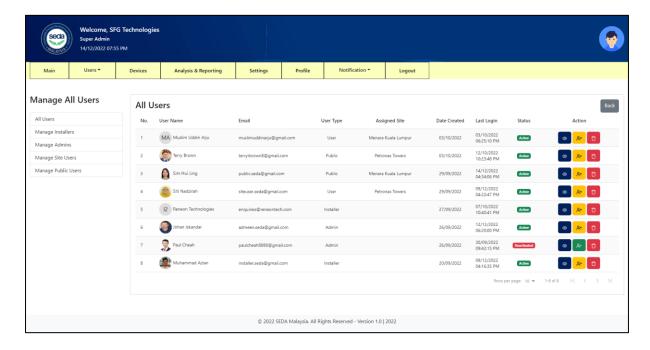
5.0 USERS

5.1 UNDERSTANDING THE LEFT SUB-MENU



Left Menu Name	User Type	Purpose
All Users	Super Admin, & Admin only	Show an overview of users
Manage Installers	Super Admin & Admin only	Shows the installer settings
Manage Admins	Super Admin only	Shows the admin settings
Manage Site Users	Super Admin, & Admin only	Shows the site user settings
Manage Public Users	Super Admin, & Admin only	Shows the public user settings

5.2 ALL USERS



You will be able to see an overview of all users in the system.

View Users : Click on the "Blue eye icon" to see the user profile Deactivate Users : Click on the "Yellow user icon" to deactivate a user Activate Users : Click on the "Green user icon" to activate a user again : Click on the "Red delete icon" to delete a user from system

5.3 MANAGE INSTALLERS

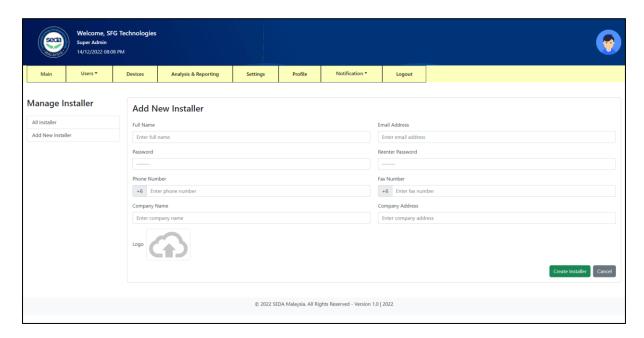


You will be able to see an overview of all installers in the system.

View Installers : Click on the "Green eye icon" to see the installer profile Edit Installers : Click on the "Blue user icon" to deactivate an installer

Delete Installers : Click on the "Red delete icon" to delete installer from system

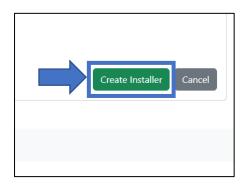
STEP 1: Add New Installer



You can make changes to the below data sets:

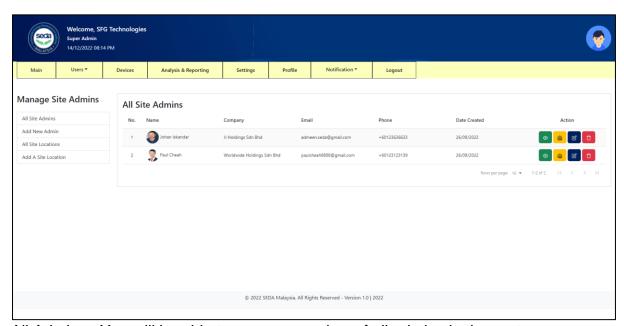
- Full Name
- Email Address
- Password & Re-enter Password
- Phone Number
- > Fax Number
- Company Name
- Company Address
- > Logo

STEP 2 : Save New Installer by clicking on the "Create Installer" button.



This new installer will then appear in the table on the "All Installer" page

5.3 MANAGE ADMINS



All Admins: You will be able to see an overview of all admins in the system.

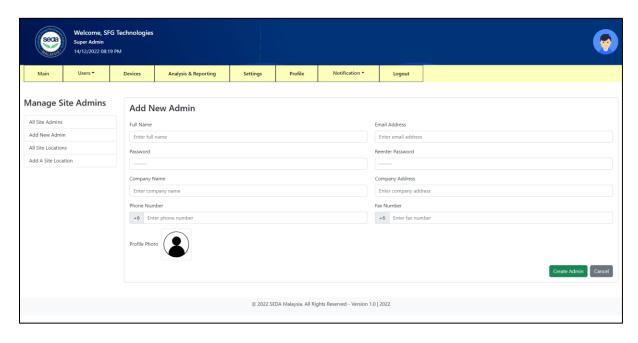
View Admins : Click on the "Green eye icon" to see the admin profile

View Site : Click on the "Yellow home icon" to see the site assigned to admin

Edit Admins : Click on the "Blue user icon" to deactivate an admin

Delete Admins : Click on the "Red delete icon" to delete an admin from system

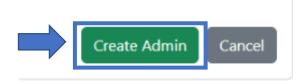
STEP 1: Add New Admin



You can make changes to the below data sets:

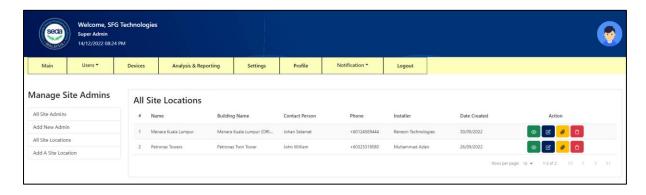
- > Full Name
- Email Address
- Password & Re-enter Password
- Company Name
- Company Address
- Phone Number
- > Fax Number
- > Profile Photo

STEP 2: Save New Admin by clicking on the "Create Admin" button.



This new admin will then appear in the table on the "All Site Admins" page

STEP 3: View All Site Locations



All Site Locations: You will be able to see an overview of all locations in the system.

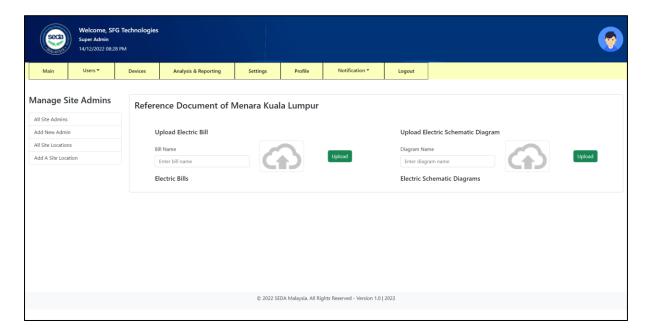
View Site : Click on the "Green eye icon" to view the site profile Edit Site : Click on the "Blue edit icon" to edit the site profile

Documents : Click on the "Yellow paperclip icon" to view documents of the site

Delete Site : Click on the "Red delete icon" to delete a site from system

STEP 4: Add Documents to Site

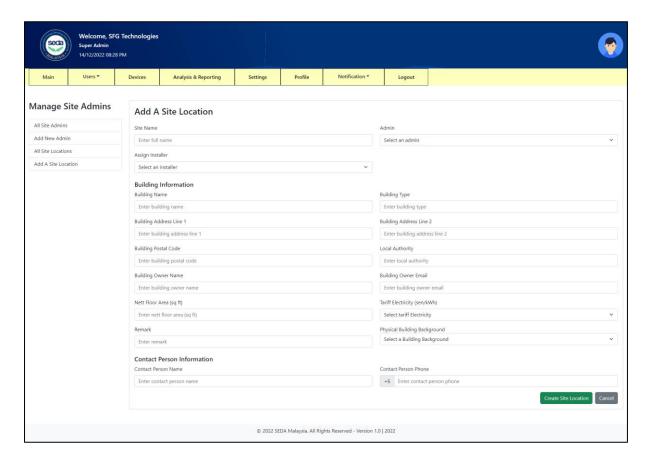
By clicking on the "Yellow paperclip icon", you will view the page below



You can enter the bill name and click on "Upload" to upload a document to site. You can enter the diagram name and click on "Upload" to upload a diagram to site.

After Upload: You can see the preview of the files below in this page.

STEP 5: Add A Site Location



You can make changes to the below data sets:

- Site Name
- Select Admin (Only if the admin account was created on system)
- Assign Installer (Only if the installer account was created on system)
- > Building Name
- Building Type
- Building Address Line 1 & Line 2
- > Building Post Code
- Local Authority
- Building Owner Name
- Building Owner Email Address
- Nett Floor Area (Sq. Ft)
- > Tariff Electricity (sen / kWh) (Only if tariff was created on system)
- > Remark
- Physical Building Background (Only if building type was created on system in settings module)
- Contact Person Name
- Contact Person Phone Number

STEP 6: Save New Site Location by clicking on the "Create Site Location" button.



This new site location will then appear in the table on the "All Site Locations" page

5.4 MANAGE SITE USERS



Manage Site Users: You will be able to see an overview of all site users in the system.

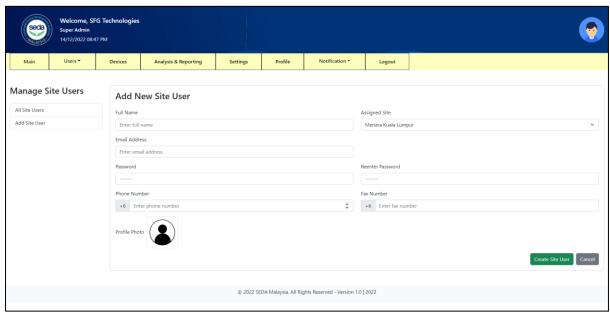
View User : Click on the "Green eye icon" to view the site user profile

View Site : Click on the "Yellow home icon" to view the site assigned to user

Edit User : Click on the "Blue edit icon" to edit the site user profile

Delete User: Click on the "Red delete icon" to delete a site user from system

STEP 1: Add Site User:



You can make changes to the below data sets:

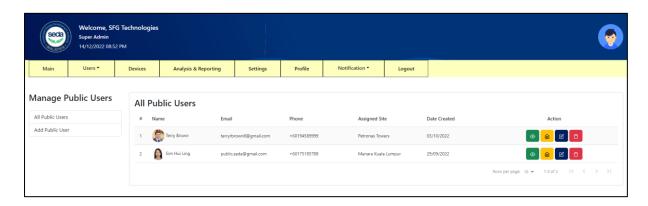
- > Full Name
- Assigned Site (Only if a site is created on system)
- Email Address
- > Password & Re-enter Password
- > Phone Number
- > Fax Number
- Profile Photo

STEP 2 : Save New Site User by clicking on the "Create Site User" button.



This new site user will then appear in the table on the "All Site Users" page

5.5 MANAGE PUBLIC USERS



Manage Public Users: You will be able to see an overview of all public users in the system.

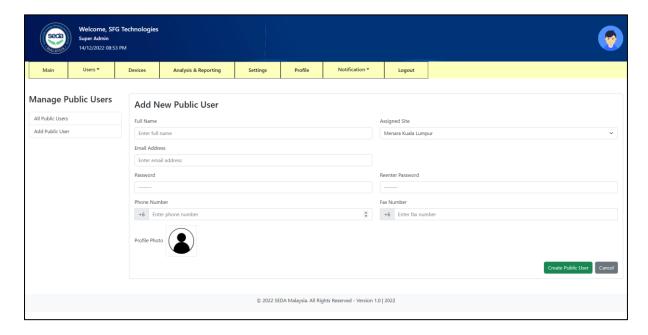
View User : Click on the "Green eye icon" to view the public user profile

View Site : Click on the "Yellow home icon" to view the public assigned to user

Edit User : Click on the "Blue edit icon" to edit the public user profile

Delete User: Click on the "Red delete icon" to delete a public user from system

STEP 1: Add Public User:



You can make changes to the below data sets:

- Full Name
- Assigned Site (Only if a site is created on system)
- Email Address
- Password & Re-enter Password
- > Phone Number
- > Fax Number
- > Profile Photo

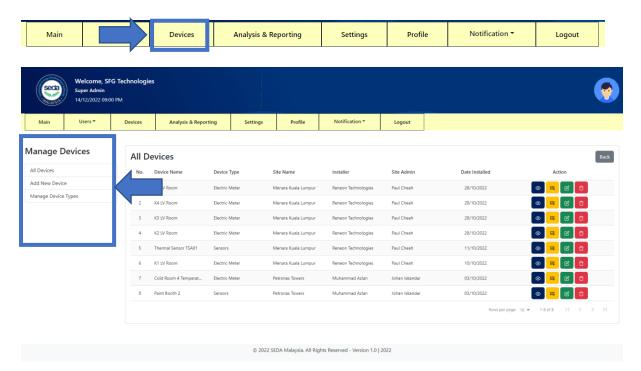
STEP 2 : Save New Public User by clicking on the "Create Public User" button.



This new public user will then appear in the table on the "All Public Users" page

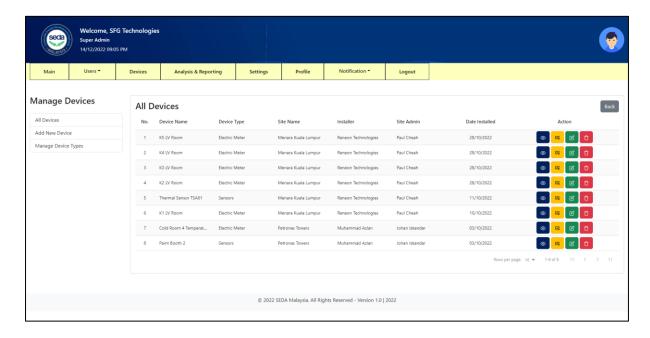
6.0 DEVICES

6.1 UNDERSTANDING THE LEFT SUB-MENU



Left Menu Name	User Type	Purpose
All Devices	All	Show an overview of devices
Add New Device	Super Admin, Admin & Installer only	Create device settings
Manage Device Types	Super Admin, Admin & Installer only	Create device type settings

6.2 ALL DEVICES



All Devices: You will be able to see an overview of all devices in the system.

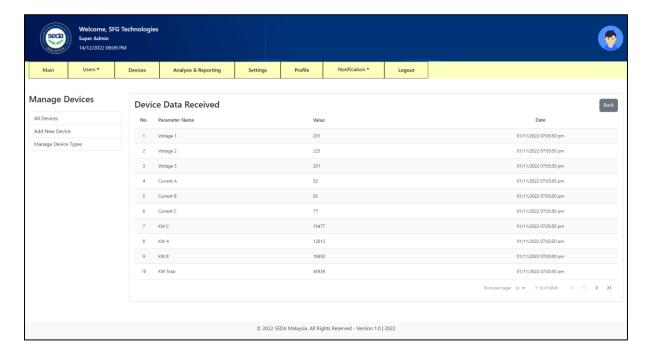
View Device : Click on the "Blue eye icon" to view the device profile

View Data : Click on the "Yellow data icon" to view the device data on system

Edit Device : Click on the "Green edit icon" to edit the device on system Delete Device : Click on the "Red delete icon" to delete a device from system

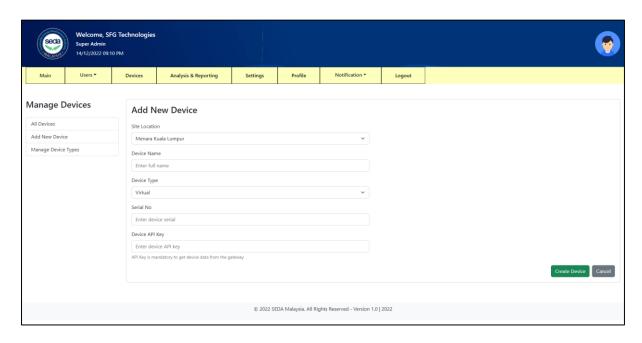
STEP 1: View Device Data

By clicking on the "Yellow data icon" – you can see the device data that was received in system with the device parameter name, value and date as below:



6.3 ADD NEW DEVICE

STEP 1: Add New Device



You can make changes to the below data sets:

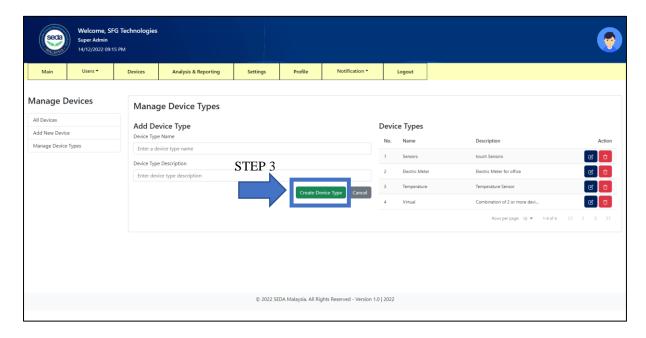
- Site Location (Only if a site is created on system)
- Device Name
- Device Type (Only if the device type is created on system)
- Serial No (Based on device information)
- > Device API Key (Based on device / gateway information)

STEP 2: Save New Device by clicking on the "Create Device" button.



This new device will then appear in the table on the "All Devices" page

6.4 MANAGE DEVICE TYPE



STEP 1: You will now be viewing the page as above. On the left section, you can add a new device type in the system, while on the right section you can see a list of all device types saved in the system.

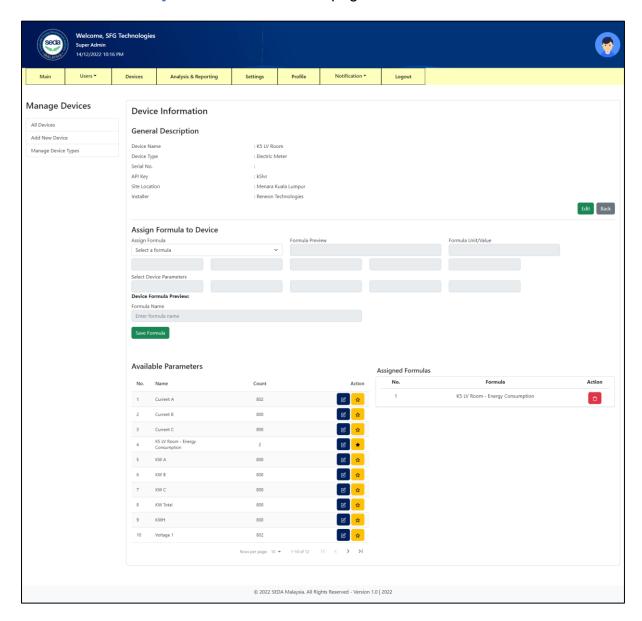
STEP 2: Add Device Type:

You can make changes to the below data sets:

- Device Type Name
- Device Type Description
- STEP 3: Click on the "Create Device Type" button to save the data to system. It will appear on the right section table.

6.5 ADD FORMULA TO DEVICE

Click on the "Blue eye icon" to view device page as below:



STEP 1: Assign Formula to Device You can assign a system formula to any device by first selecting the formula from the drop-down option under the "Assign Formula to Device" section.

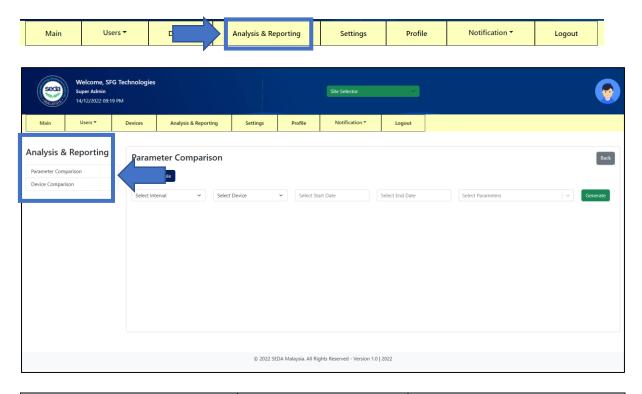
STEP 2: Once the main system formula is selected, you can perform the following:

Select parameter values from a device (this is visible automatically in the table below titled "Available Parameters"

STEP 3: Click on "Save Formula" button and the system will automatically save the new device formula as <device name><system formula> in the table below (right side).

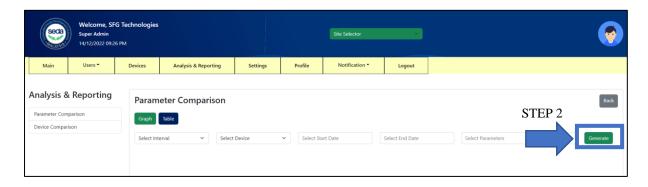
7.0 ANALYSIS & REPORTING

7.1 UNDERSTANDING THE LEFT SUB-MENU



Left Menu Name	User Type	Purpose
Parameter Comparison	All	Show analytic data based on parameter comparison
Device Comparison	All	Show analytic data based on device comparison

7.2 PARAMETER COMPARISON



STEP 1: Generate Report for Parameter Comparison

On the landing page, you are able to see the following filters to be selected:

- Select Interval
- Select Device (Only if device is created on system)
- Select Start Date
- Select End Date
- Select Parameters (Only if device parameters are available on system)

STEP 2: After selection, click on the "Generate" button.

7.3 DEVICE COMPARISON



STEP 1: Generate Report for Device Comparison

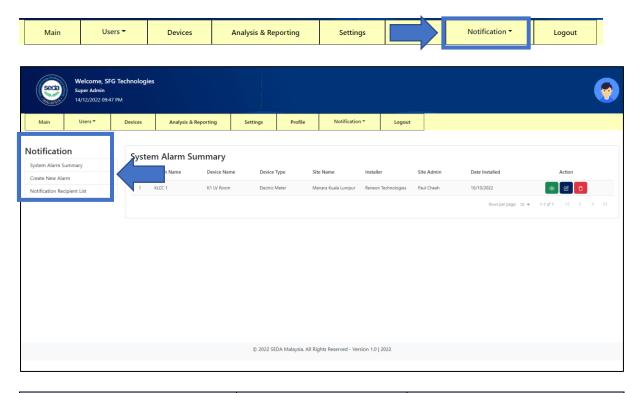
On the landing page, you are able to see the following filters to be selected:

- Select Interval
- Select Start Date
- Select End Date
- Select Device 1 (Only if device is created on system)
- Select Device 2 (Only if device is created on system)
- Select Device 1 Parameters (Only if device parameters are available on system)
- Select Device 2 Parameters (Only if device parameters are available on system)

STEP 2: After selection, click on the "Generate" button.

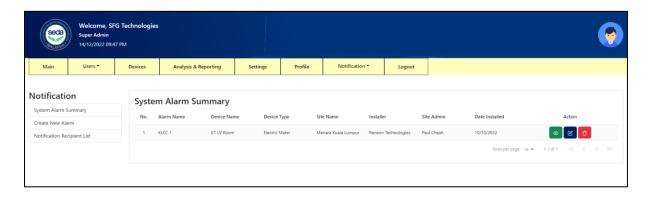
8.0 NOTIFICATIONS

8.1 UNDERSTANDING THE LEFT SUB-MENU



Left Menu Name	User Type	Purpose
System Alarm Summary	All	Show summary of alarms
Create New Alarm	Super Admin & Admin only	Create alarm settings
Notification Recipient List	Super Admin & Admin only	Show recipient list settings

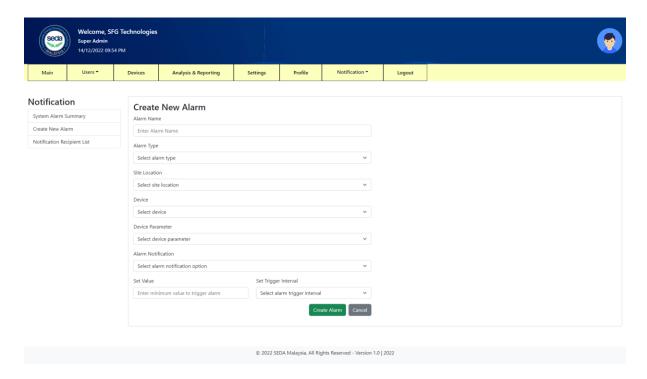
8.2 SYSTEM ALARM SUMMARY



System Alarm Summary: You will be able to see an overview of all alarm notifications in the system.

View Alarm : Click on the "Green eye icon" to view the device profile Edit Alarm : Click on the "Blue edit icon" to edit the device on system Delete Alarm : Click on the "Red delete icon" to delete a device from system

STEP 1: Create New Alarm:



You can make changes to the below data sets:

- Alarm Name
- Alarm Type (Choose from predefined options as below)
 - System warning message only
 - Email notifications only
 - System warning messages + email notifications

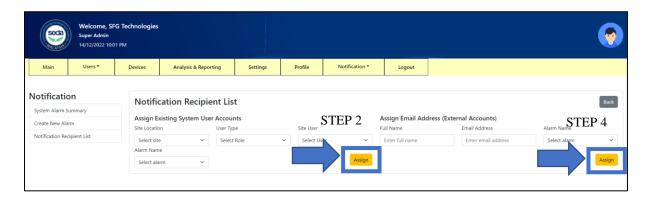
- Site Location (Only if the location is created on system)
- > Device (Only if the device is created on system)
- > Device Parameter (Only if the parameters are available on system)
- > Alarm Notification (Choose from predefined options as below)
 - Min
 - Max
 - Range
- Set Value
- > Set Trigger Value (Choose from predefined options as below)
 - 1 Minute
 - 15 Minute
 - 30 Minute
 - 1 Hour
 - 12 Hours
 - 24 Hours

STEP 2: Save New Alarm by clicking on the "Create Alarm" button.



This new alarm will then appear in the table on the "System Alarms Summary" page

8.3 NOTIFICATION RECIPIENT LIST



You will now be viewing the page as above. On the left section, you can add assign an alarm to existing user accounts in the system, while on the right section you can assign external users with email address to receive the alarm notifications from the system.

STEP 1: Assign Existing System User Accounts

You can make changes to the below data sets:

- Site Location (Only if location is created on system)
- User Type (Based on type of user)
- Site User (Only if the user is created on system)
- Alarm Name (Only if the alarm is created on system)

STEP 2: Click on the "Assign" button to assign the user to the alarm.

STEP 3: Assign External User Accounts

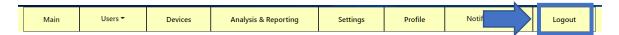
You can make changes to the below data sets:

- > Full Name
- Email Address
- Alarm Name (Only if the alarm is created on system)

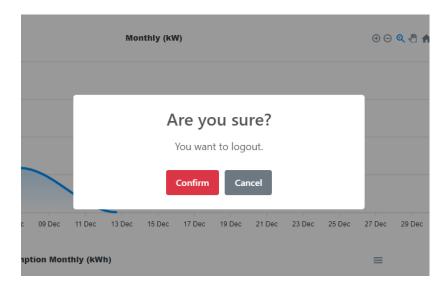
STEP 4: Click on the "Assign" button to assign the user to the alarm.

9.0 LOGGING OFF

9.1 CLICKING ON THE LOGOUT BUTTON



You will see a popup to confirm your action.



Click on "Confirm" to logout of the system.