



Infrastructure Management System (IMS)

User Manual

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1. System Login

The system can be accessed on any internet-enabled device with every user required to have login credentials. Users can access the system using the following link:
centenarybank.iot.mw/login.

The link directs user to the following login page.



The login page features the Centenary Bank logo at the top, which consists of a yellow and red shield with a cross, enclosed in a blue circle. To the right of the logo, the text "Centenary Bank" is displayed in white. Below the logo, the title "Infrastructure Management System" is centered. Underneath the title, there are two input fields: "Email Address" and "Password". A blue "Login" button is positioned below the password field.

Figure 1: IMS login page

Upon providing the login page with correct credentials, click on **Login** and the following window opens showing various sections of the system.

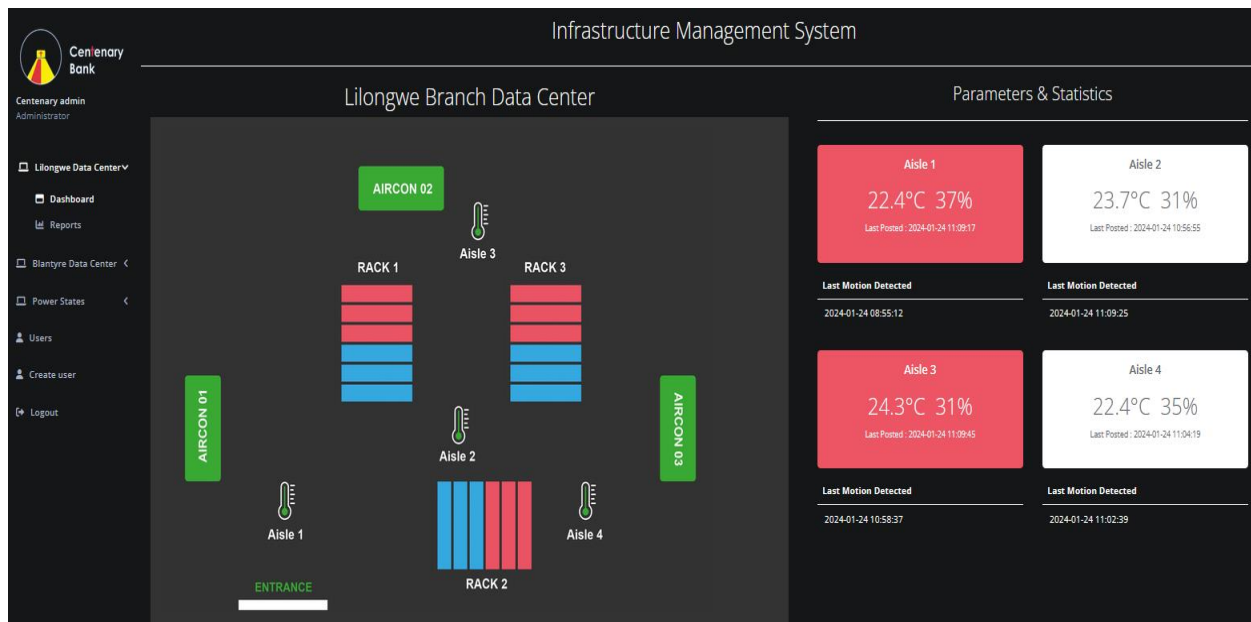


Figure 2: IMS main dashboard

2. System Sections Description

The system has five main sections namely; Blantyre data center, Lilongwe data center, power states, create user and users. These sections have been briefly explained in this section.

2.1. Lilongwe Data Center

For data centers, the system is able to track temperature levels and humidity. Alerts are automatically sent out to authorized personnel via SMS at various designated intervals.

Lilongwe Data Center > Dashboard > Parameters & Statistics

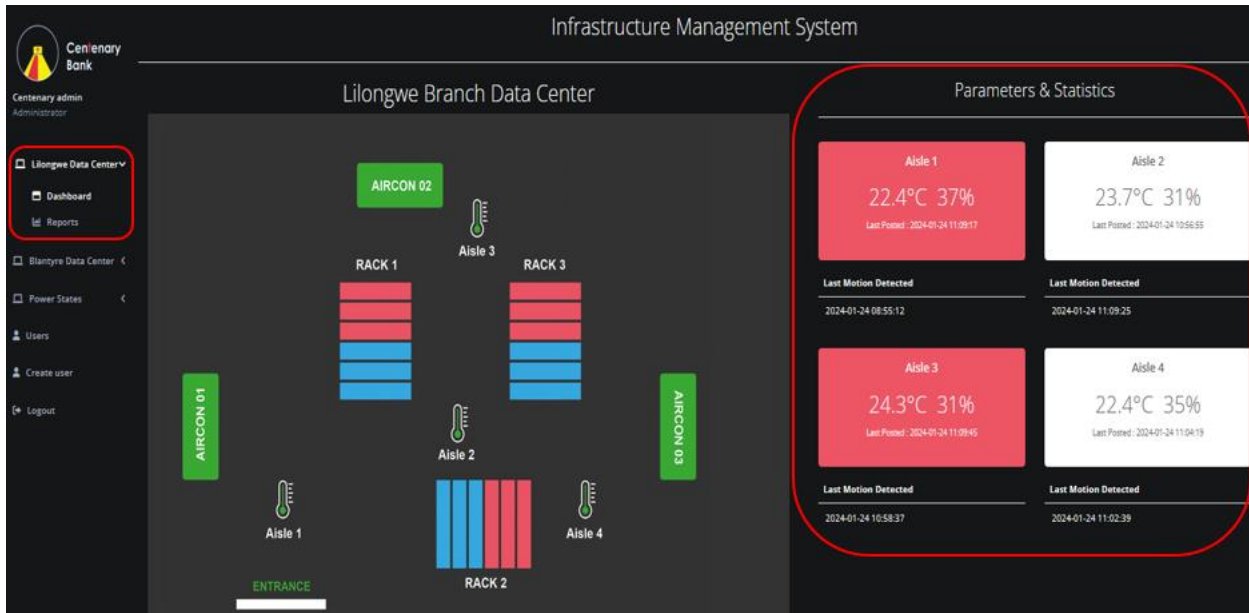


Figure 3: IMS dashboard for Lilongwe data center

The system is also able to automatically generate reports for temperature and humidity over a specified period and these can be easily downloaded for future references and decision-making.

Lilongwe Data Center > Reports

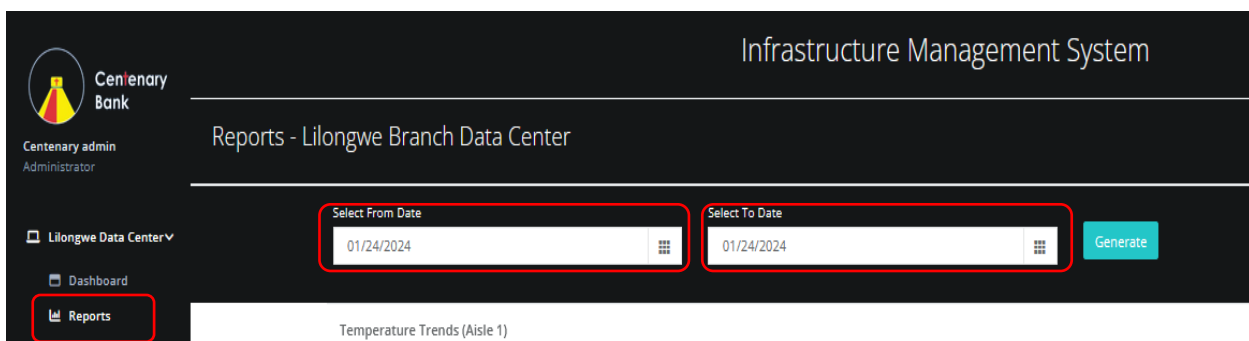
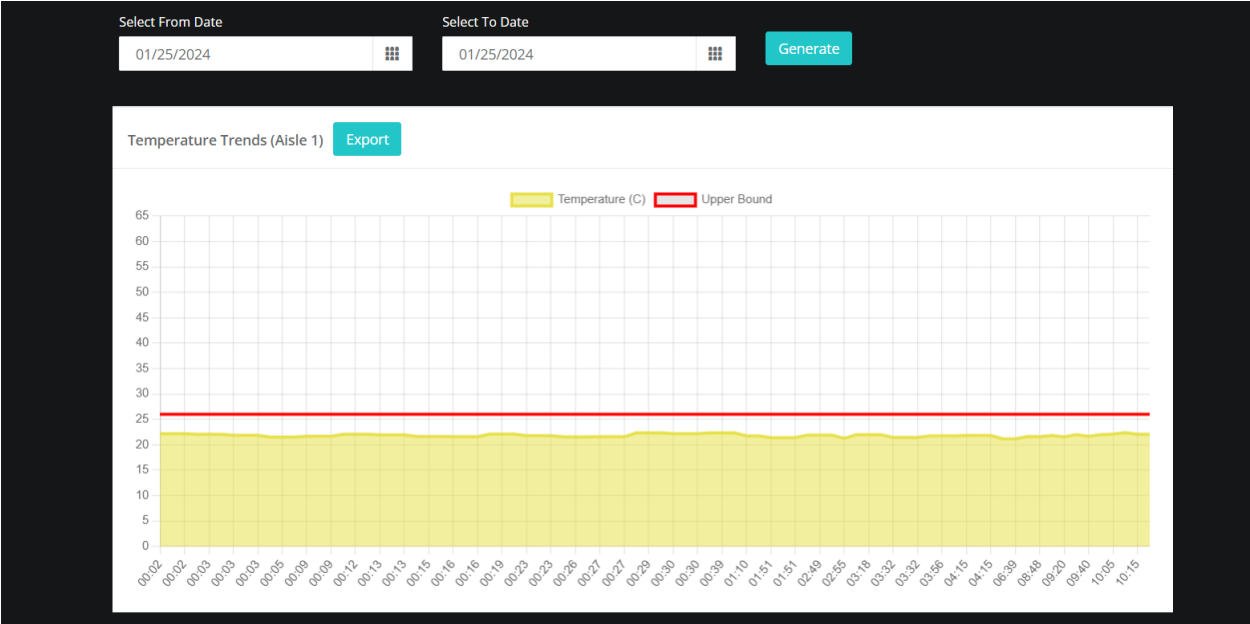


Figure 4: IMS reports generation

You can specify the range for the report by entering *Select From Date* and *Select To Date* and then *Generate*.

Once the report has been generated, a graphical trend is displayed and a button to export the report. This can be replicated across all the reports for all centres.



2.2. Blantyre Data Center
All the features for Lilongwe data center also holds for Blantyre data center.

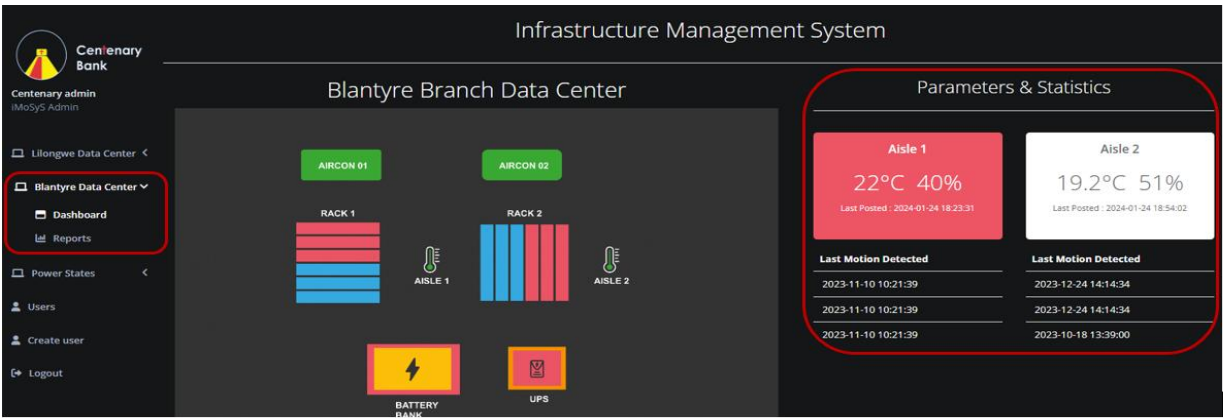


Figure 5: IMS dashboard for Blantyre data center

2.3. Power States
This section is further divided into dashboard, fuel trends and power state trends.

a. Dashboard
Power states > Dashboard

Under this section, users are able to view the following real time parameters:

- DG Fuel level
- Fuel volume
- DG running time
- Current DG status

NB: Authorized personnel are able to reset running time of the generator when a DG has went through maintenance.

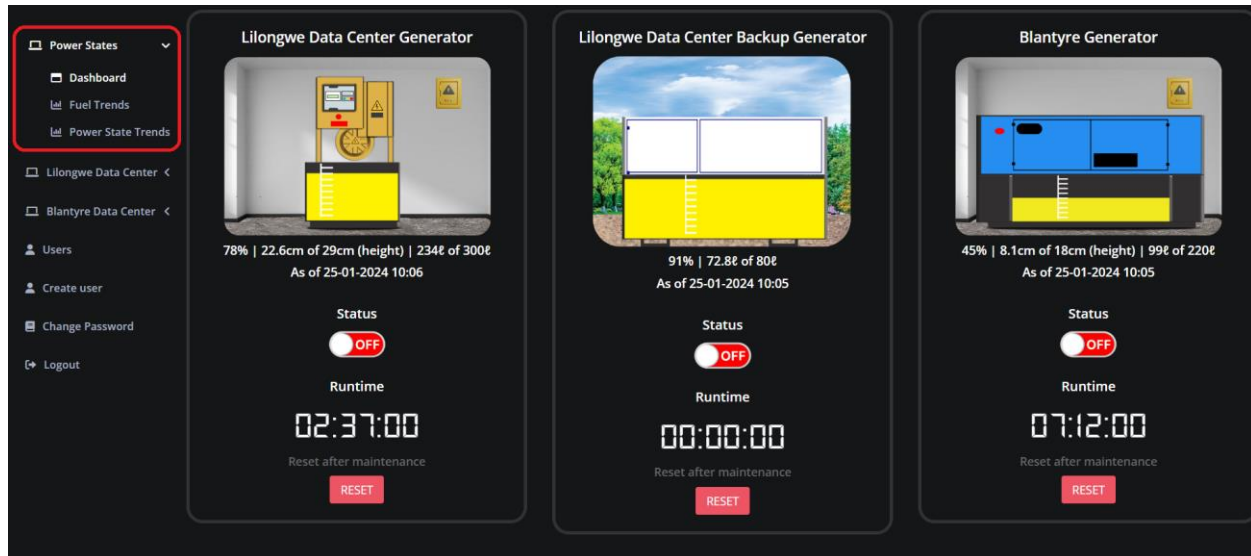


Figure 6: IMS dashboard for power states

b. Fuel Trends

This section shows DG fuel level trends for a specified period. You can generate a fuel level trend report by defining a required period and click on Generate.

Power States > Fuel trends

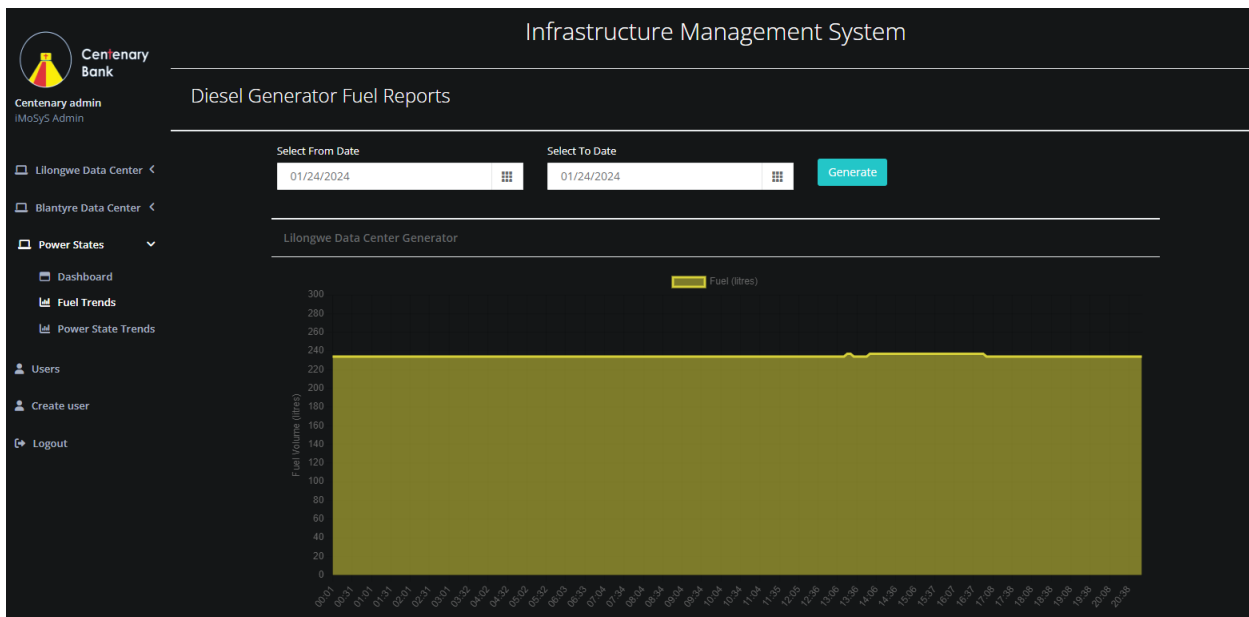


Figure 7: IMS fuel level trend graph

c. Power State Trends

This section indicates the status of various power sources for a specified period. It shows when the DG was running and vice versa as well status for all main phases.

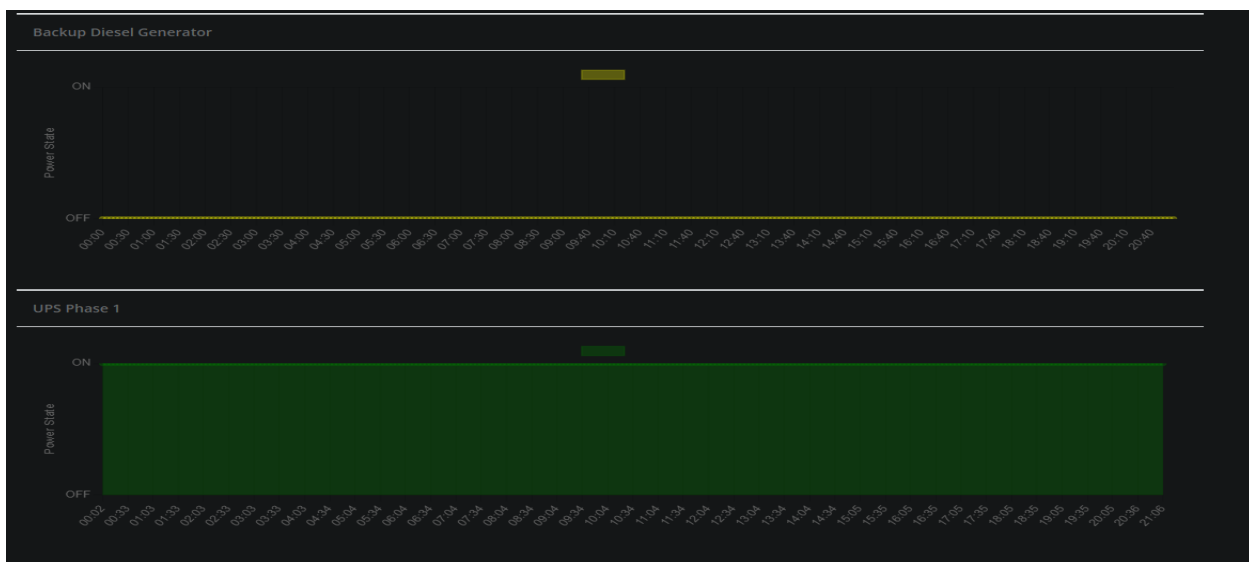
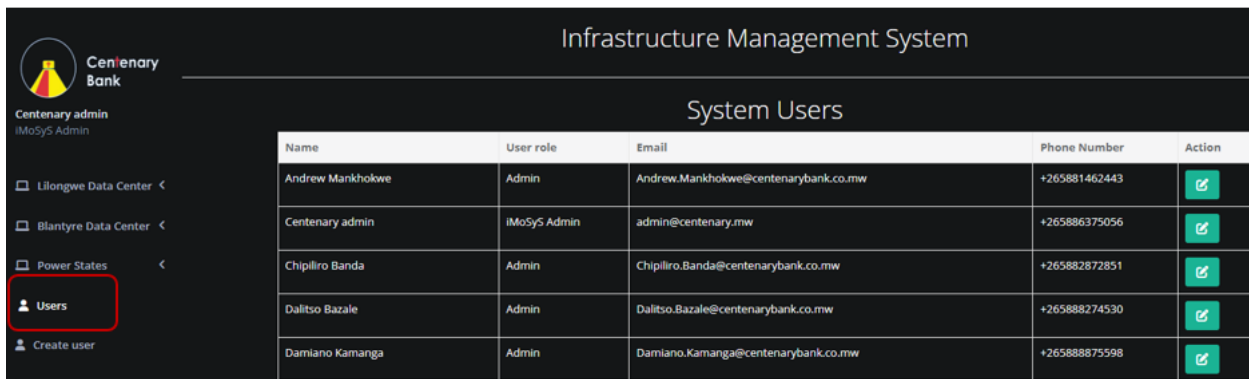


Figure 8: IMS power state trends graph

2.4. Users

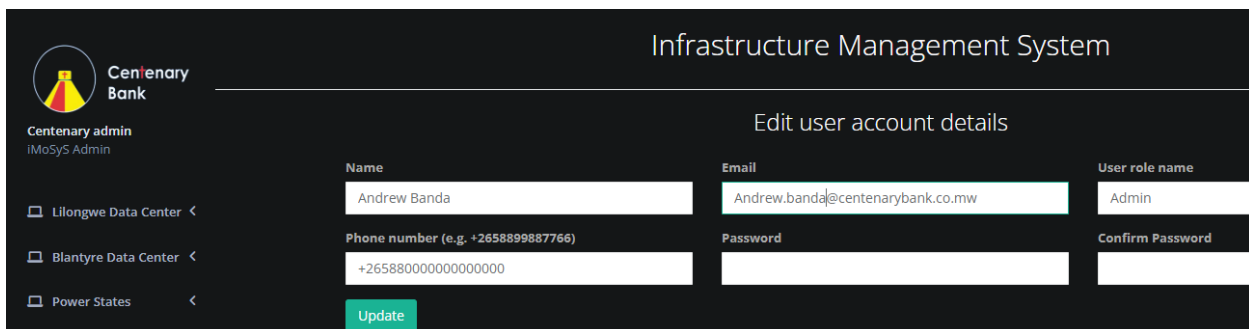
This section contains all the users that have been registered in the system.



Name	User role	Email	Phone Number	Action
Andrew Mankhokwe	Admin	Andrew.Mankhokwe@centenarybank.co.mw	+265881462443	
Centenary admin	IMoSYS Admin	admin@centenary.mw	+265886375056	
Chipiliro Banda	Admin	Chipiliro.Banda@centenarybank.co.mw	+265882872851	
Dalitso Bazale	Admin	Dalitso.Bazale@centenarybank.co.mw	+265888274530	
Damiano Kamanga	Admin	Damiano.Kamanga@centenarybank.co.mw	+265888875598	

Figure 9: IMS users' page

NB: from figure 9 above, go to action tab to edit user account details, reset a password or change user's role as shown in figure 10 below.



Name	Email	User role name
Andrew Banda	Andrew.banda@centenarybank.co.mw	Admin
Phone number (e.g. +2658899887766)	Password	Confirm Password
+26588000000000000000		

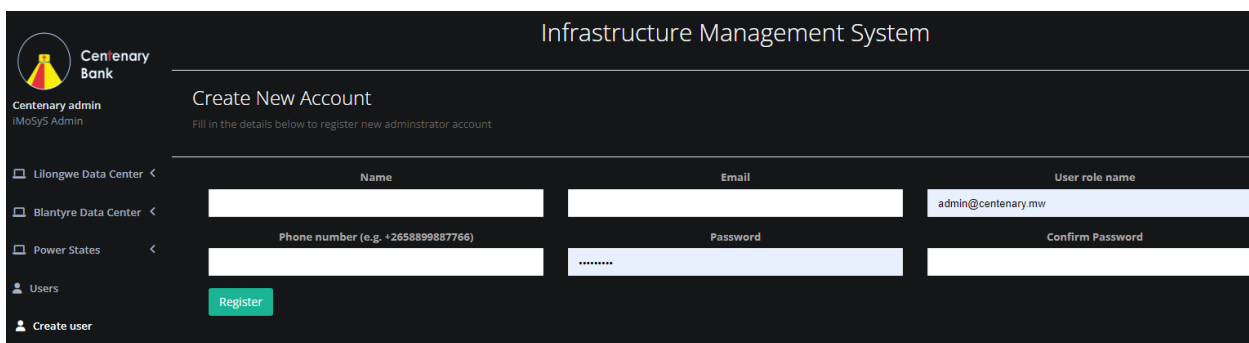
Update

Figure 10: IMS page for editing user account details

After doing necessary changes, **go to update** to save the changes made.

2.5. Create User

Use this section when you want to register new users in the system.



Name	Email	User role name
		admin@centenary.mw
Phone number (e.g. +2658899887766)	Password	Confirm Password

Register

Figure 11: IMS page for registering new users

Go to **Register** after filling in all the fields to register a new user.

3. Logout

Use this section to log out of the system. When you click on this section, the system will redirect you to the login page.