



# How to install the Desktop Application

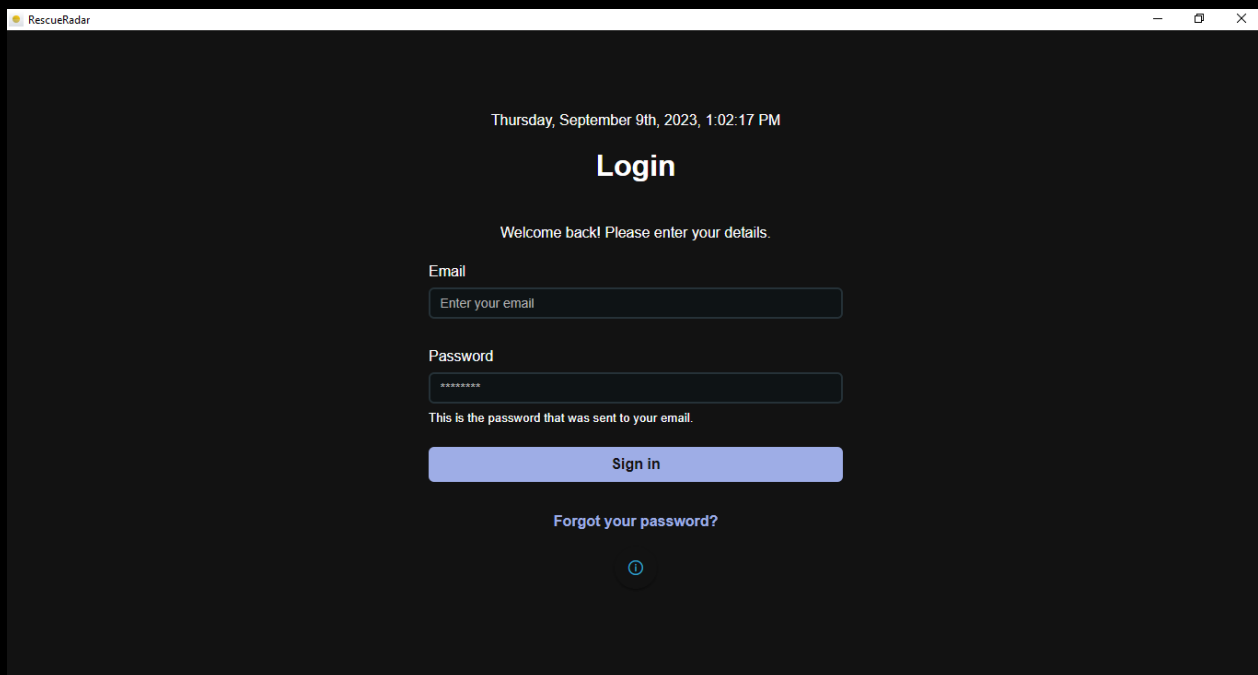
The link below will allow you to install the app. The app is compatible with windows.

<https://github.com/Catalyst-Crew/frontend-new/releases/download/v0.0.5/rescueradar-0.0.5-setup.exe>

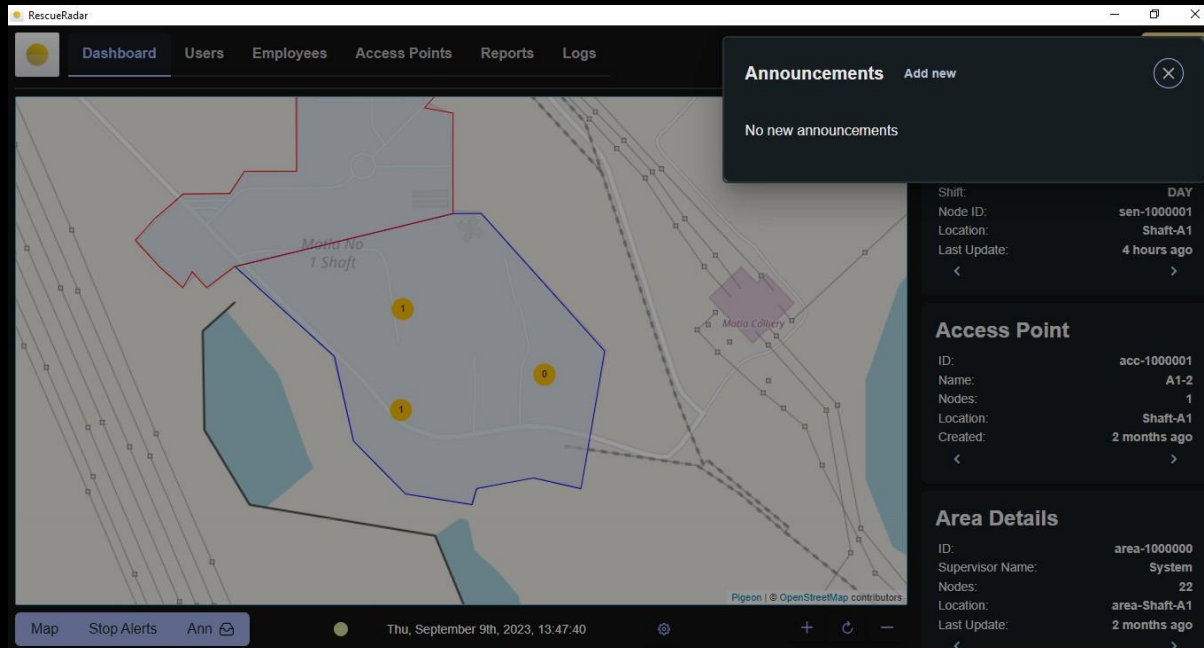
## How to navigate the application

Once installed the app will automatically open and the login in screen will appear.

The login in will allow for three different users to access the app namely the admin, supervisor, and visitor. The privileges one will be granted access to will be determined by their login in credentials with visitor allowing view-only privileges on the app. You login in using your email address and password. If you forgot your password, you could just click on the forgot password link, enter your email address then you will get an email that will allow you to reset your password and when you click on the icon below, you will have access to the help page that will give you more information about the app and our contact details.

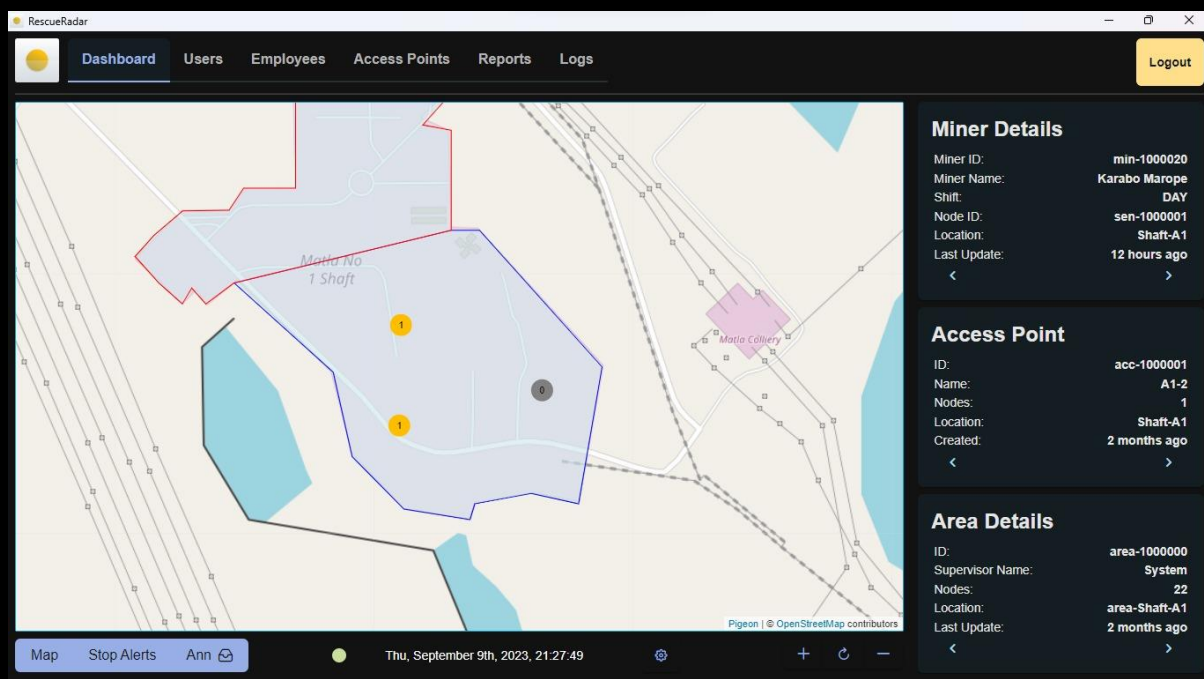


Once logged in the dashboard will appear with an announcement alert pop up which contains the announcement message from the admin.

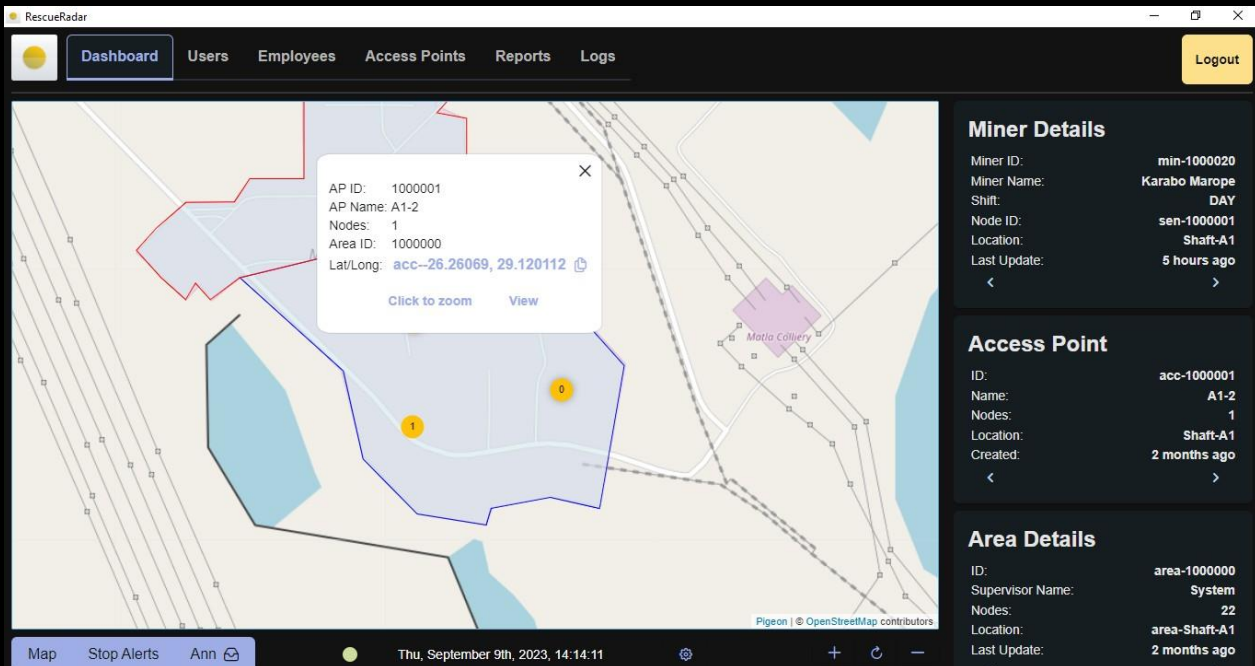


The dashboard shows a mine map with three access points. The number that appears on the access point signifies the number of miners connected to that access point.

- The Miner details category shows the details of a miner from the name, ID, shift, node ID (sensor assigned to a miner) as well the location (mine shaft) and when the last update took place.
- Access Point category displays information about the access point from its ID, name, nodes, and location to the day it was created.
- Area Details category shows information about the underground mine area its location and the supervisor in charge of the area.

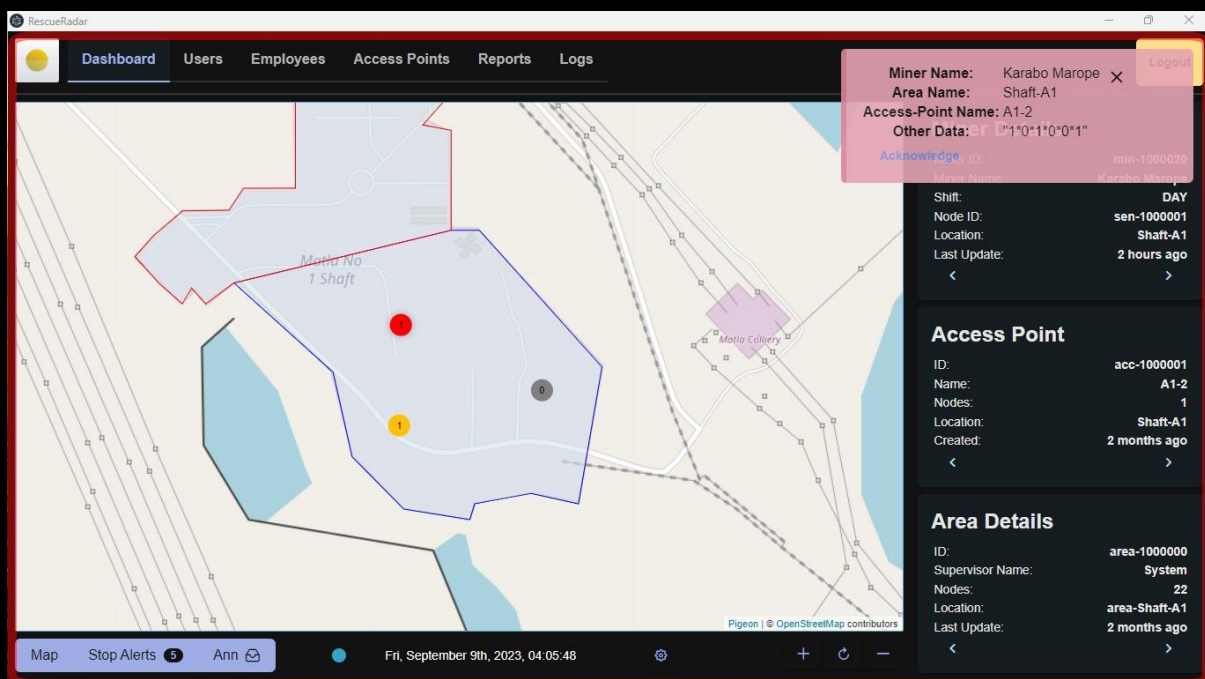


When an access point is greyed out that indicates that it is not available /working and that could be due to various reasons such as it is undergoing maintenance.



When you hover over or click an access point it will display data that's relevant to the clicked access point namely the access point ID, access point name and the nodes which translates to the number of miners connected to the access point and the location of the access point in longitude and latitude coordinates.

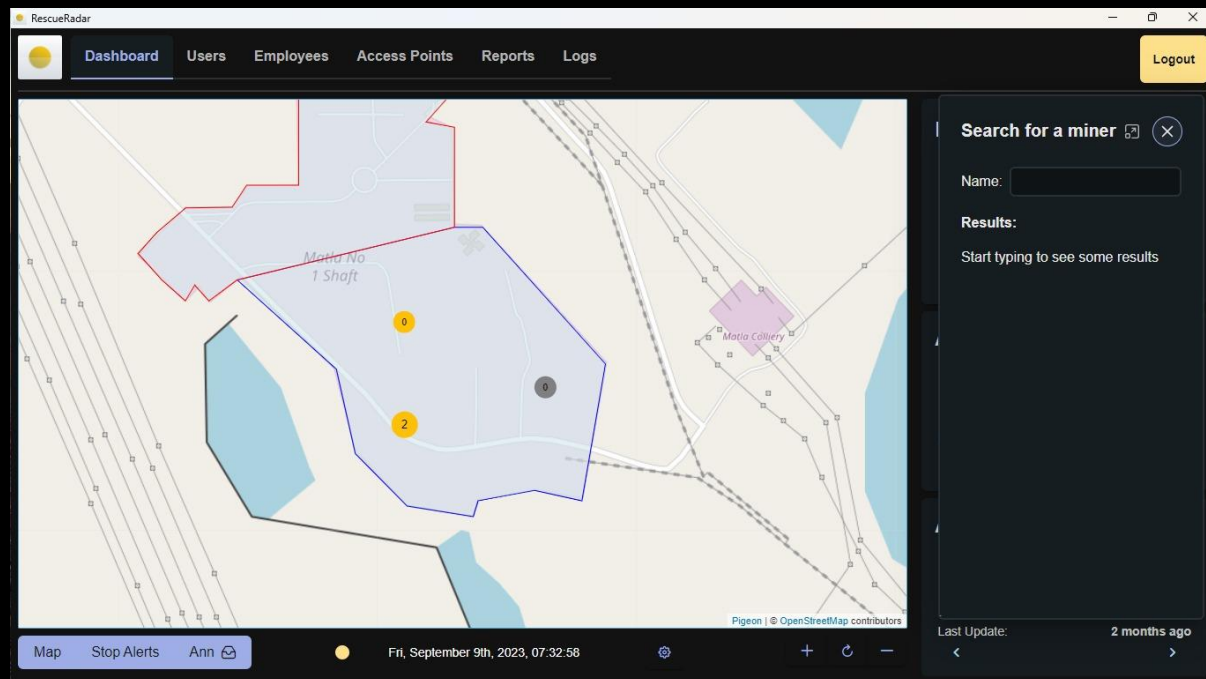
## IN THE EVENT OF AN EMERGENCY





When the panic button is pressed, an emergency alert will pop up on the desktop application, accompanied by a sound. The outer screen of the application will turn red to indicate an emergency, and the nearest access point will also turn red to indicate where the emergency pings from.

At the bottom of the dashboard screen is where you will find the stop alert button which is used when a panic/emergency button is triggered by a miner and the alert goes off on the app system after it has been acknowledged to stop it from sounding.



The dashboard also has a search feature which allows you to find a miner located on top right corner within the Miner Details category.

When the settings icon is clicked at the bottom of the dashboard page, a User Settings will appear, and it allows you to update:

- User Settings that allow you to update namely your user id, name, email, and phone number.
- App Settings that allow you turn on/off notifications and audio alerts.

The image displays two screenshots of the RescueRadar application interface, showing the 'User Settings' and 'App settings' sections.

**Top Screenshot: User Settings**

The 'User Settings' section is titled 'User Settings' and includes the instruction 'Update your setting here.' It contains the following fields:

- User ID:** user-1000001
- Full Name:** Axole Maranjana
- Email:** axolemaranjana4@gmail.com
- Phone number:** 27681721606

A 'Save' button is located below the 'Phone number' field.

**Bottom Screenshot: App settings**

The 'App settings' section is titled 'App settings' and includes the instruction 'Customise your preferences here.' It contains the following fields:

- Phone number:** 27687654320
- App Notifications:** On (dropdown menu)
- Email Notifications:** On (dropdown menu)

A 'Save' button is located below the 'Email Notifications' field.

Below the 'App settings' section, there is an 'Audio Alerts' toggle switch, which is currently turned off.

## The User screen consists of:

- Username, user ID and email address
- Access determines whether access is granted or blocked and which access level they have whether admin, supervisor, or viewer.
- Area which indicates which shift the user is overlooking or in charge of.
- Action will allow to manage users by either changing their shift, access level or access to the application.

- The Add new user button allows only the admin to add new users who can access the app.

The screenshot displays the 'Users' management interface in the RescueRadar application. The main table lists several users, including Axole Maranjana, Ofentse Makgopa, Pablo Moeng, Sibalikhulu Dlamini, Thabo Maputla, and Khumbulani Mbele. Each user entry includes their name, access status (e.g., GRANTED, BLOCKED), assigned area (e.g., Shaft-A1, Shaft-A2), and a 'Manage' button. On the right side, the 'Add new user' form is shown, which includes dropdown menus for selecting 'Access' (Grant), 'Access Level' (Admin), and 'Access Area' (Shaft-A1). It also displays the 'Updated' and 'Created' timestamps and a 'Save' button at the bottom.

As demonstrated here:

This screenshot shows the same 'Users' management page, but with a 'New User Registration' modal window open in the foreground. The modal contains input fields for 'Name', 'Surname', and 'Email'. Below these are three dropdown menus for 'Access' (with 'Select Access' as the current selection), 'Access Level' (with 'Select Access Level' as the current selection), and 'Access Area' (with 'Select Access Area' as the current selection). At the bottom of the modal are two buttons: 'Cancel' and 'Proceed'. The background user list is partially visible behind the modal.

**The employees screen** contains a screen of miners on duty. It displays a screen of all miners on duty their names, miner ID and email address as well as a color-coded dot on top to indicate if they are assigned a sensor or not with green indicating that miner has been assigned a sensor and the opposite being true for red.

The shift displays whether the miner is working day or night shift.

Supervisor shows the person put in charge of supervising a mine

shaft. Action allows the admin to manage the employees by:

- Changing their shift
- Assigning new node ID
- Assigning a new supervisor to the shift
- Deleting the miner details on the application

The Add Employee button allows the admin to add new miners or update existing miner's details to the application.

The screenshot displays the 'Employees' section of the RescueRadar application. The main table lists five employees, each with a profile icon, name, miner ID, email, shift, supervisor, and a 'Manage' button. The 'Add Employee' form on the right is used to update an employee's details.

Name	Shift	Supervisor	Action
Karabo Marope min-1000020 Skara@gamil.com	DAY	Yonela Charlie	<button>Manage</button>
Khumbulani Mbhele min-1000023 axolemaranjana4@gmail.com	DAY	Axole Maranjana	<button>Manage</button>
Khums Mbele min-1000021 KhumsMbele@gmail.com	DAY	Yonela Charlie	<button>Manage</button>
Ofentse Makgopa min-1000019 ofentsemakgopa01@gmail.com	NIGHT	Yonela Charlie	<button>Manage</button>
Paballo Moeng min-1000022 PaballoMoeng@gmail.com	NIGHT	Ofentse Makgopa	<button>Manage</button>

**Add Employee**

Karabo Marope min-1000020  
Skara@gamil.com

Node ID:  
1000001

Shift:  
Day

Supervisor:  
Yonela Charlie

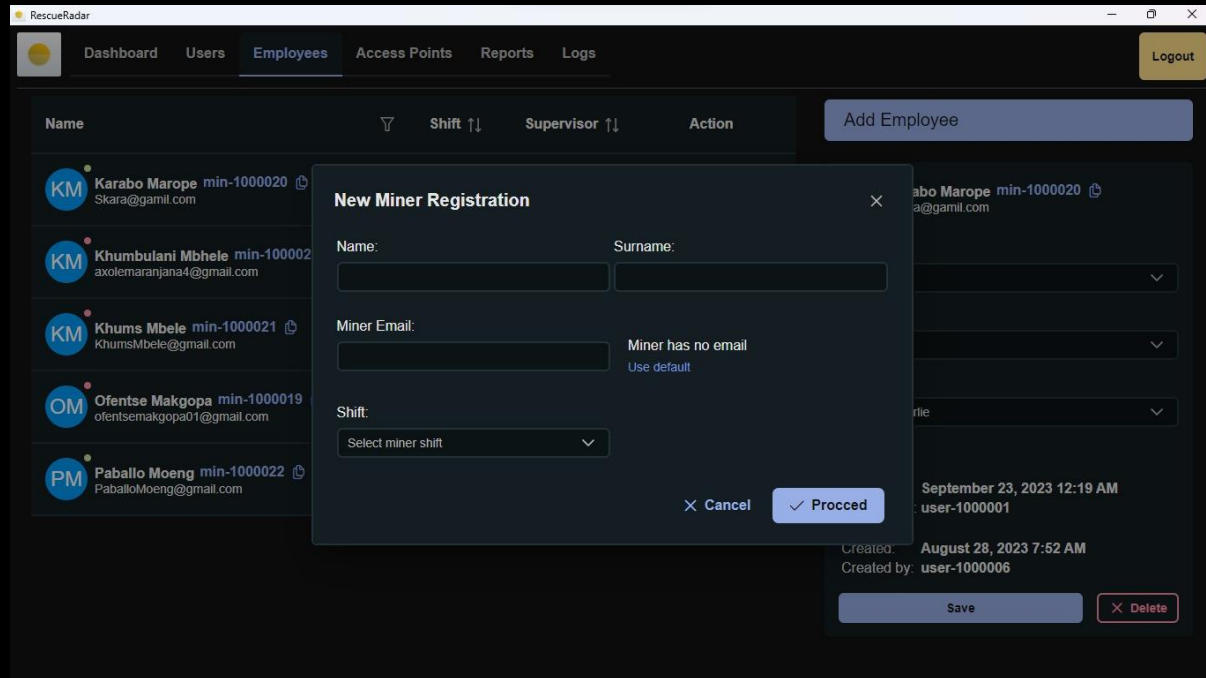
Activity:

Updated: September 23, 2023 12:19 AM  
Updated by: user-1000001

Created: August 28, 2023 7:52 AM  
Created by: user-1000006

Save Delete





**Access Point screen** displays access points and

sensors The access points display the following:

- Access point ID
- Access point name whether it access point 1,2 ,3 etc.
- Status shows whether the access point is active or not with green indicating ON and red indicating OFF.
- Location of the access point showing which shaft is the access point in whether shaft 1,2,3 etc.
- Device ID is the ID used to identify different access points by their ID.

Add new button allows admin or supervisor to add a new access point into the app system.

When the Manage button is clicked it allows you to manage the access point or the sensor itself by:

- Mange Point allows to activate or deactivate the access point.
- An option of more settings that allows you to add new access points and manage them using namely different names, device ID, in the mine shaft (area where the access point is located) and latitudinal and longitudinal coordinates.

RescueRadar

DashboardUsersEmployeesAccess PointsReportsLogs

Logout

Access Points

+ Add new

ID	Name	Status	Location	Device ID	Action
acc-1000000	AP-1	On	Shaft-A2		Manage
acc-1000001	A1-2	On	Shaft-A1		Manage
acc-1000002	A1-3	On	Shaft-A2		Manage

Sensors

+ Add new

ID	Status	Available	Last Update	Device ID	Action
sen-1000000	On	Off	11 days ago	1000CF57BC34	Manage
sen-1000001	On	Off	6 days ago	1000CFF62B02	Manage
sen-1000002	On	On	8 days ago		Manage
sen-1000008	On	On	10 days ago		Manage

Manage point

acc-1000000

Active:

On

More settings

Manage Sensor

sen-1000000

Device ID: 1000CF57BC34

Status:

On

Available:

Off

Updated: September 17, 2023 10:13 PM

Updated by: 1000001

UpdateUnassign

RescueRadar

DashboardUsersEmployeesAccess PointsReportsLogs

Logout

Access Points

+ Add new

ID	Name	Status	Location
acc-1000000	AP-1	On	Shaft-A2
acc-1000001	A1-2	On	Shaft-A1
acc-1000002	AP-3	Off	Shaft-A2

Sensors

+ Add new

ID	Status	Available	Last Up
sen-1000000	On	Off	11 days
sen-1000001	On	Off	6 days a
sen-1000002	On	On	8 days a
sen-1000008	On	On	10 days

Manage point

acc-1000000

Active:

On

More settings

Manage Sensor

sen-1000000

Device ID: 1000CF57BC34

Status:

On

Available:

Off

Updated: September 17, 2023 10:13 PM

Updated by: 1000001

UpdateUnassign

Add new access point

Name:

Device ID: (optional)

Area:

Area

Latitude:

Longitude:

SaveCancel

The screenshot shows the RescueRadar web application interface. The top navigation bar includes links to Dashboard, Users, Employees, Access Points, Reports, and Logs. The main content area is divided into two sections: Access Points and Sensors. The Access Points section shows a table with columns: ID, Name, Status, Location, Device ID, and Action. The Sensors section shows a table with columns: ID, Status, Available, Last Update, Device ID, and Action. A 'More settings' modal is open on the right, showing fields for Name, Device ID, Area, Latitude, and Longitude, along with Save, Reset, Update, and Unassign buttons.

ID	Name	Status	Location	Device ID	Action
acc-1000000	AP-1	On	Shaft-A2		Manage
acc-1000001	A1-2	On	Shaft-A1		Manage
acc-1000002	AP-3	Off	Shaft-A2		Manage

ID	Status	Available	Last Update	Device ID	Action
sen-1000000	On	Off	11 days ago	1000CF57BC34	Manage
sen-1000001	On	Off	6 days ago	1000CFF62B02	Manage
sen-1000002	On	On	8 days ago		Manage
sen-1000008	On	On	10 days ago		Manage

**More settings**

Name: AP-3

Device ID:

Area: Shaft-A2

Latitude: -26.261930

Longitude: 29.123105

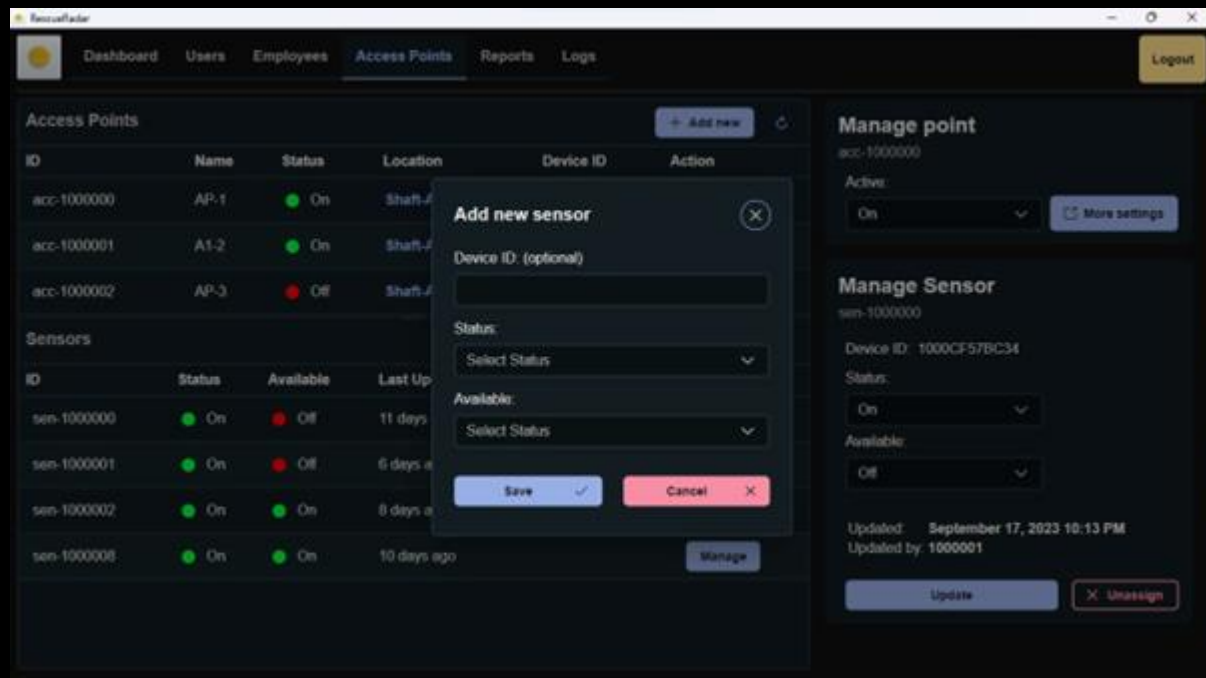
Save Reset

Updated by: 1000001

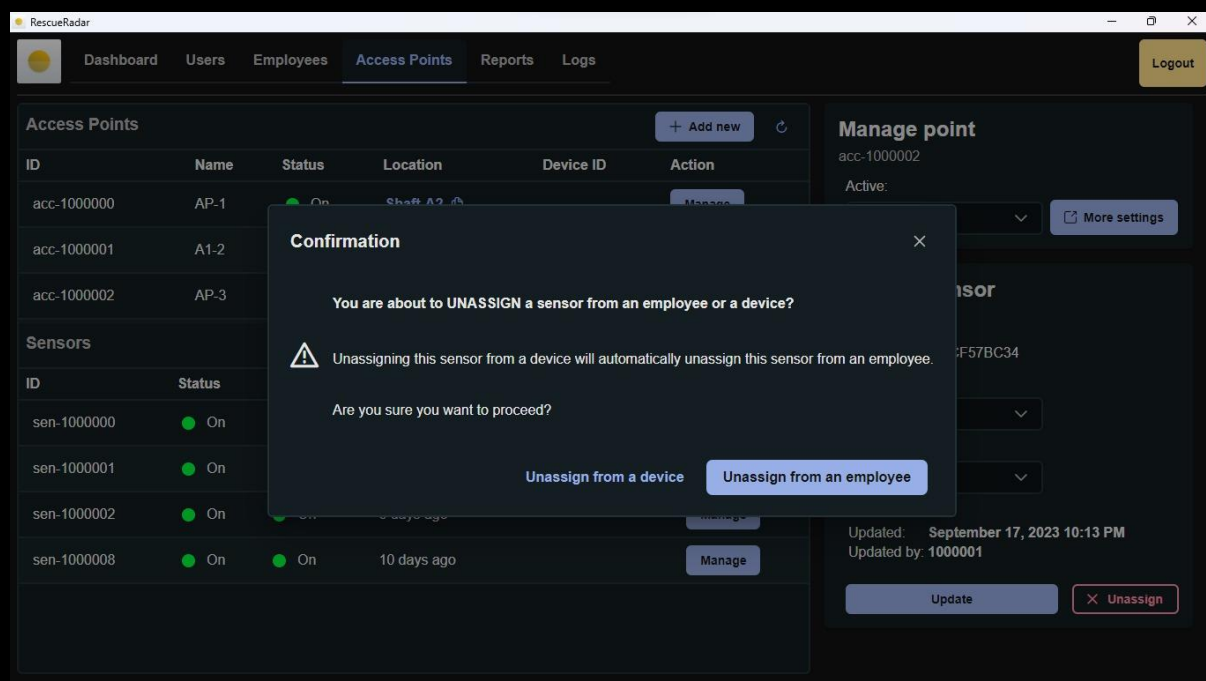
Update Unassign

**Sensors screen** shows the following:

- Sensor's unique ID
- Sensor status whether its green indicating ON or red indicating OFF.
- Availability shows whether the sensor is available for use or not with green indicating ON meaning yes, it's available or red indicating OFF meaning no not available.
- Device ID is the ID used to identify different sensors by their unique ID.



- Manage Sensor allows to update the sensor by turning status and availability ON or OFF to update the sensor or unassigning the sensor completely.
- Add new button allows supervisor or admin to add a new sensor to the app system.
- In addition, you can unassign a sensor /device from a miner if the miner falls ill while onsite, is unwell, absent or no longer employed by the mining company.



**Reports screen** displays all the reports on the application consisting of measurements, access point data, sensor data, employees, and users basically all the information on the application to convert it into csv files that can be downloaded or uploaded.

- Reports are in CSV file format.
- All the reports are generated by the system.
- Each report has its own unique ID and the date it was generated.
- Download allows the users to download the report containing all updates and deletes of everything that has taken place on the app including incidents, faults, measurements miners' data, users' data, node ID etc.

To generate a report, you must select a report you want and the date range of the dates you want the report to include information from, generated by the system and click on notify by email once which allows the system to send out an email to you once it has found the report you wanted to generate.

To upload a report, you must choose a CSV file from your device that you want to upload to the system then the report will appear on the system and be downloaded.

Report pages at the bottom will take you to older reports pages.

RescueRadar

Dashboard Users Employees Access Points **Reports** Logs Logout

ID	Generated By	File Name	Date	Download
151	System	measurement-1695834001589.csv	Sep 27th 23 07:00	<a href="#">Download</a>
150	System	measurement-1695834001238.csv	Sep 27th 23 07:00	<a href="#">Download</a>
149	System	measurement-1695834001193.csv	Sep 27th 23 07:00	<a href="#">Download</a>
148	System	measurement-1695834001139.csv	Sep 27th 23 07:00	<a href="#">Download</a>
147	System	measurement-1695834001058.csv	Sep 27th 23 07:00	<a href="#">Download</a>
143	System	measurement-1695834000794.csv	Sep 27th 23 07:00	<a href="#">Download</a>
139	System	measurement-1695834000780.csv	Sep 27th 23 07:00	<a href="#">Download</a>
140	System	measurement-1695834000777.csv	Sep 27th 23 07:00	<a href="#">Download</a>
141	System	measurement-1695834000814.csv	Sep 27th 23 07:00	<a href="#">Download</a>
142	System	measurement-1695834000782.csv	Sep 27th 23 07:00	<a href="#">Download</a>

Generate a reports

Select a report to generate below. Please note this might take time.

Select a report to generate

Select a date range

☐ Send me email notification when complete

Generate

Uplod a report

Upload a report below. Please note this might take time.

File Name:

my-report

+ Choose

Please upload a CSV file only. Max file size is 10MB.

Total files: 57 Current reports queue: 9



**Logs screen** displays a logs table of all the activity that has taken place on the app including the following:

- logins
- Forgot password.
- Reports generated.
- Emails sent out by the system to users.
- Announcements created.

Collapse all will remove all the activity data on the logs table, and nothing will appear on the logs table Page numbers at the bottom will take you to older logs tables.

By	Timestamp	Message
Authentication	September 28, 2023 1:47 PM	User loggedin successfully thatogadipedi02@gmail.com
Authentication	September 28, 2023 11:35 AM	User loggedin successfully michellecharlie498@gmail.com
Reports	September 27, 2023 7:00 PM	New report genelated for measurement with id 147
Reports	September 27, 2023 7:00 PM	New report genelated for measurement with id 150
Reports	September 26, 2023 7:00 PM	New report genelated for measurement with id 129
Reports	September 26, 2023 7:00 PM	New report genelated for measurement with id 126
Authentication	September 26, 2023 6:21 PM	User loggedin successfully karabomaro07@gmail.com
Authentication	September 25, 2023 8:04 PM	User loggedin successfully michellecharlie498@gmail.com
Reports	September 25, 2023 7:00 PM	New report genelated for measurement with id 119
Reports	September 25, 2023 7:00 PM	New report genelated for measurement with id 114
Reports	September 23, 2023 7:00 PM	New report genelated for measurement with id 112
Reports	September 23, 2023 7:00 PM	New report genelated for measurement with id 99

The logout button will take you back to the login page.



FOR ANY FUTHER QUESTIONS/ASSISTANCE  
FEEL FREE TO CONTACT US!!