



Advance Remote Kontrol Operator

USER MANUAL

version 1.0

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Table Of Contents

- About ARKO
- System Requirements
- Desktop User Manual
- Mobile (Operator) User Manual
- Mobile (Civilian) User Manual





Our Project



Advance Remote
Kontrol Operator

The ARKO is a remote-controlled boat designed to assist rescue teams in high-flood situations by reaching individuals stranded in areas inaccessible by traditional methods.

It features an onboard communication system for real-time engagement, infrared sensors for detecting people in low visibility as well as a camera to directly view the current situation, and a compartment for delivering essential supplies.



System Requirements

For Desktop:

- Operating System: Windows 10 or later
- RAM: Minimum 4 GB
- Internet: Required for full functionality
- Display: Minimum 1280x720 resolution

For Mobile Application:

- Android Version: Android 8.0 (Oreo) or later
- Internet Access: Required
- Permissions Required: Location, Internet, (Camera/Microphone if applicable)

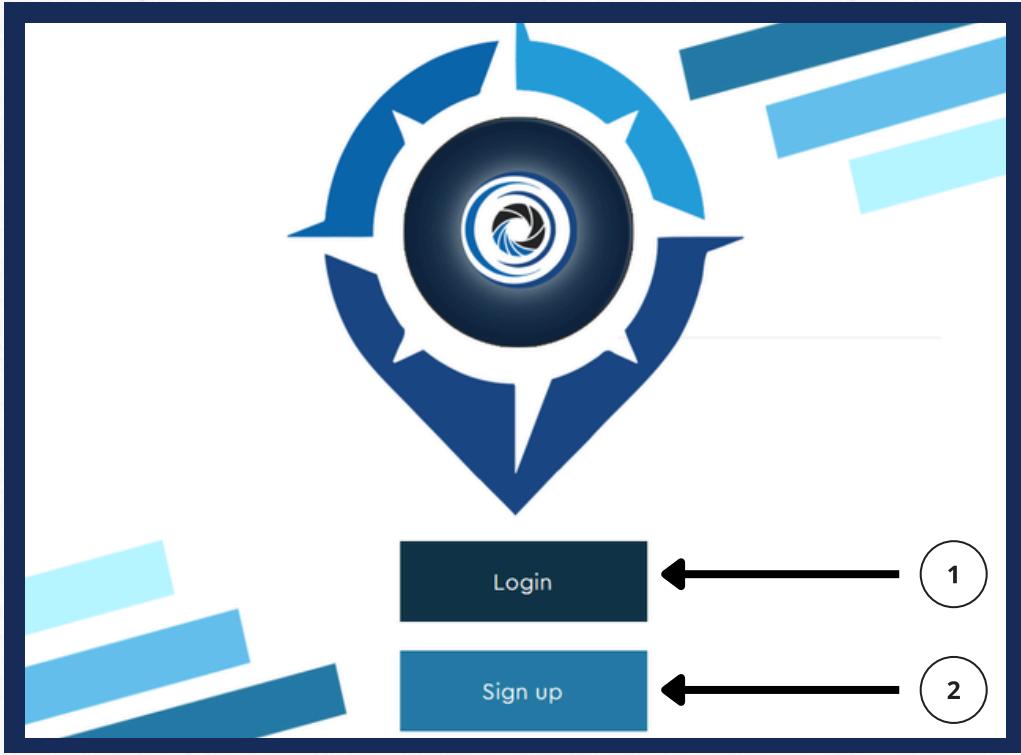


ARKO

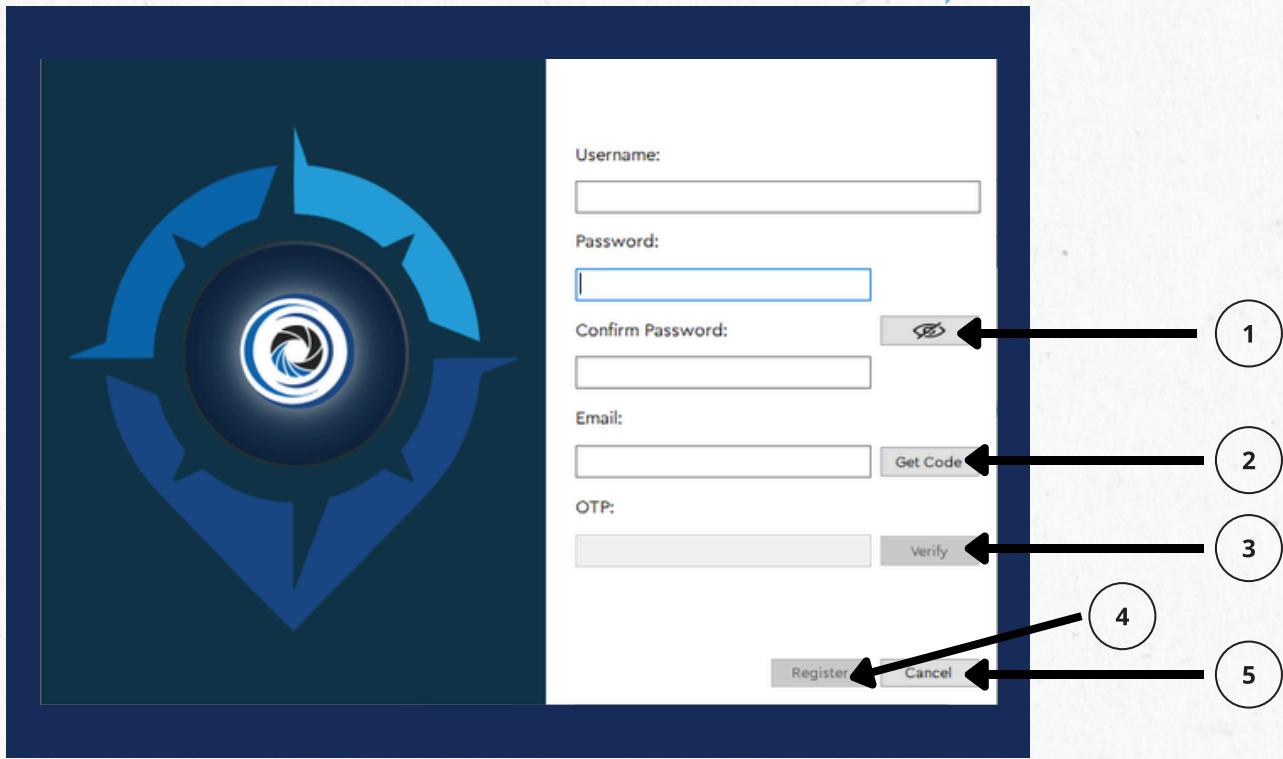


DESKTOP

User Manual Guide



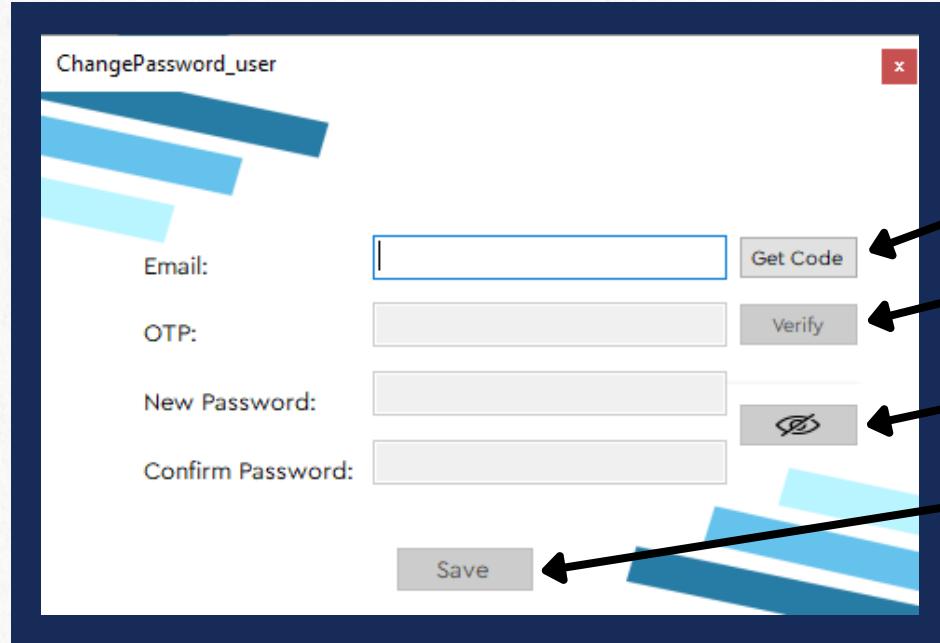
1. Login Button - Will redirect the user to the log in page.
2. Sign Up Button - Will redirect the user to the sign up page.



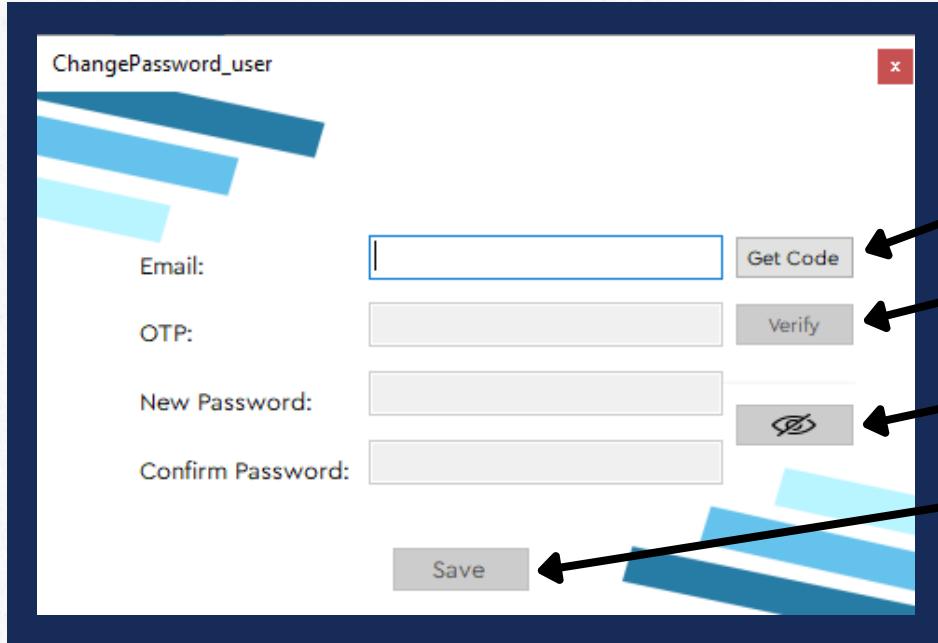
1. Show Password Button - toggle password and confirm password field to show its value
2. Get Code Button - send an OTP to the email provided by the user.
3. Verify Button - verify the OTP code.
4. Register Button - finalize the registration.
5. Cancel Button - Close the sign up window.



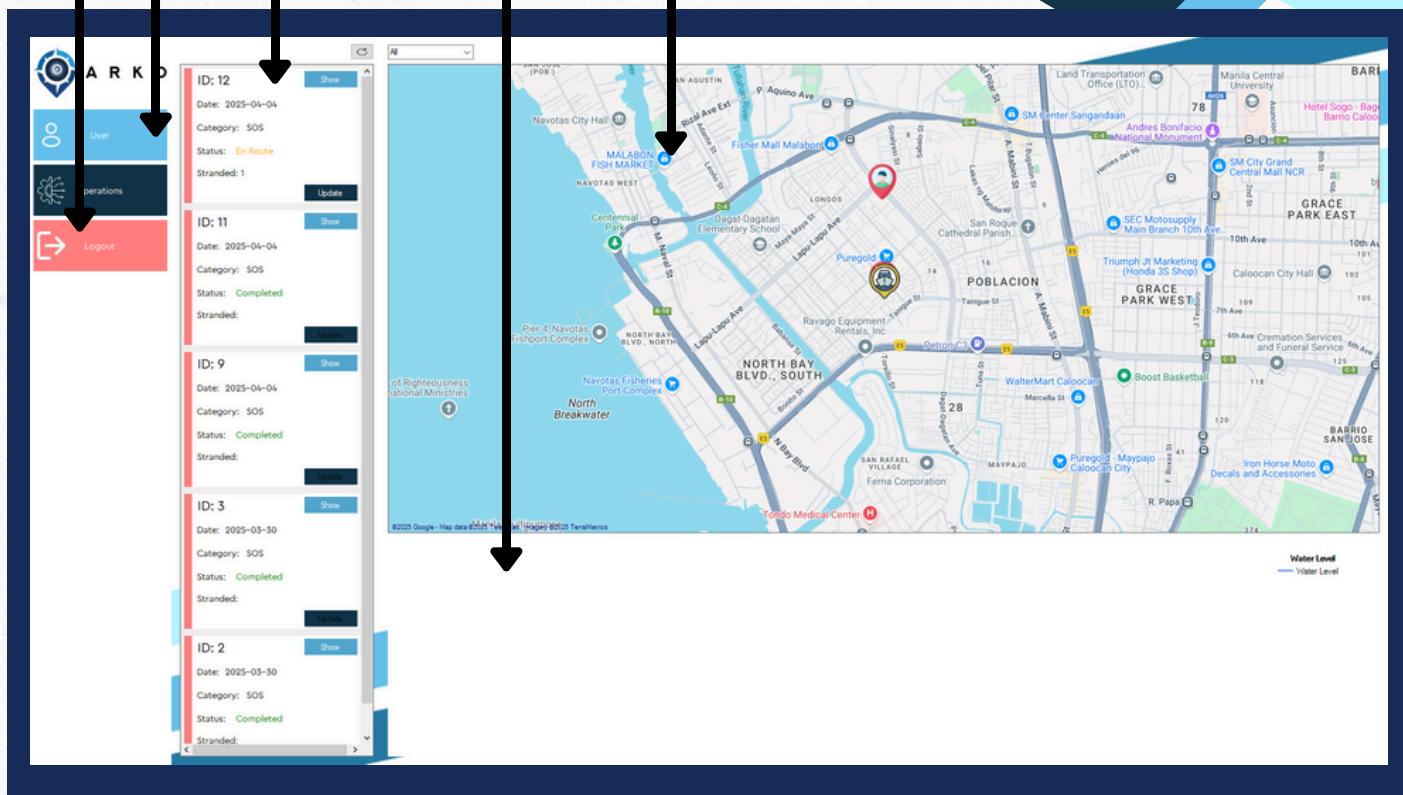
1. Show Password Button - toggle password and confirm password field to show its value.
2. Forgot Password - redirects the user to Forgot Password page.
3. Cancel Button - Close the window.
4. Login Button - redirects the user to the dashboard if the login credentials are correct.



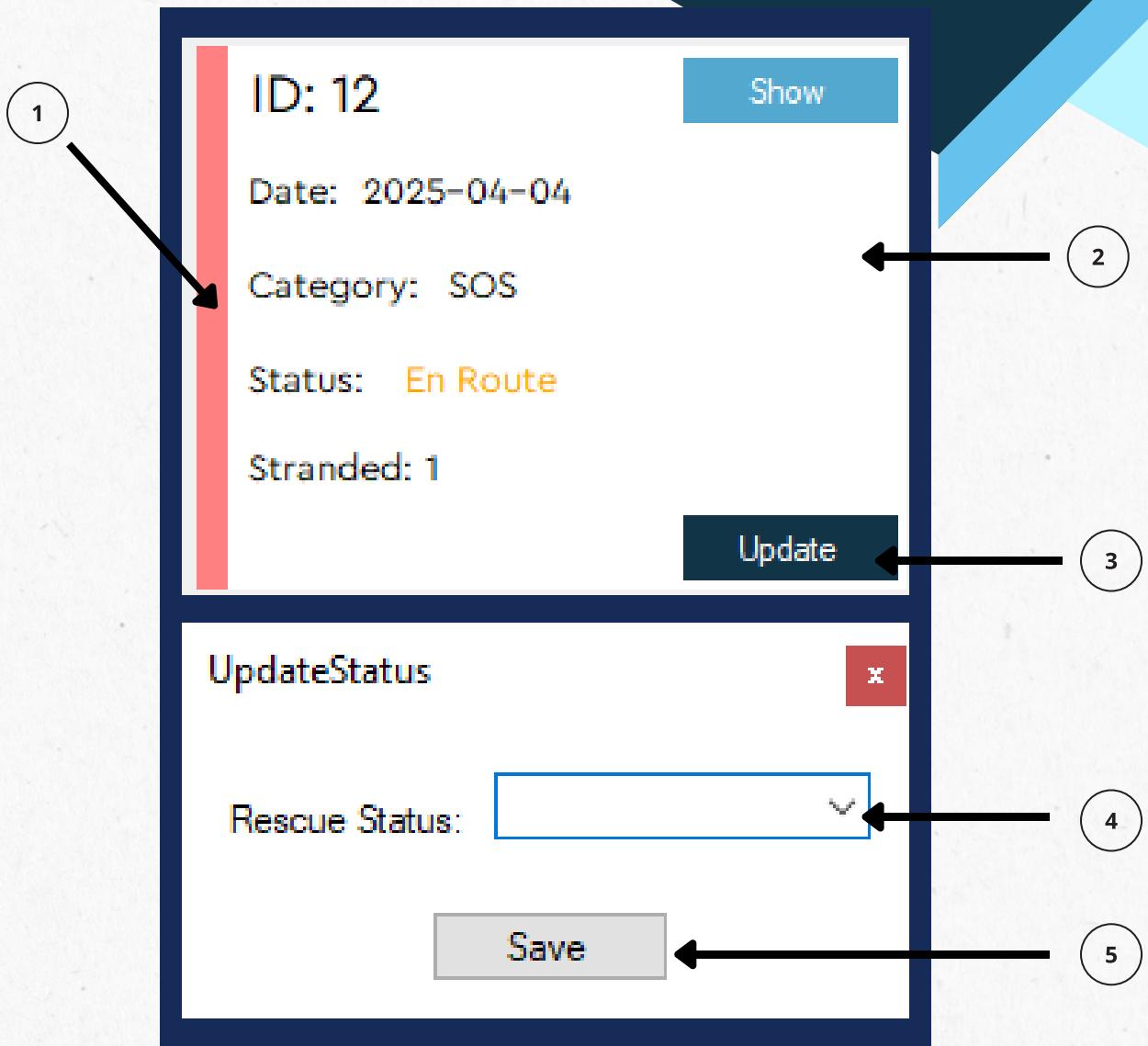
1. Get Code Button - send an OTP to the email provided by the user.
2. Verify Button - verify the OTP code.
3. Show Password Button - toggle password and confirm password field to show its value.
4. Save Button - changes the password



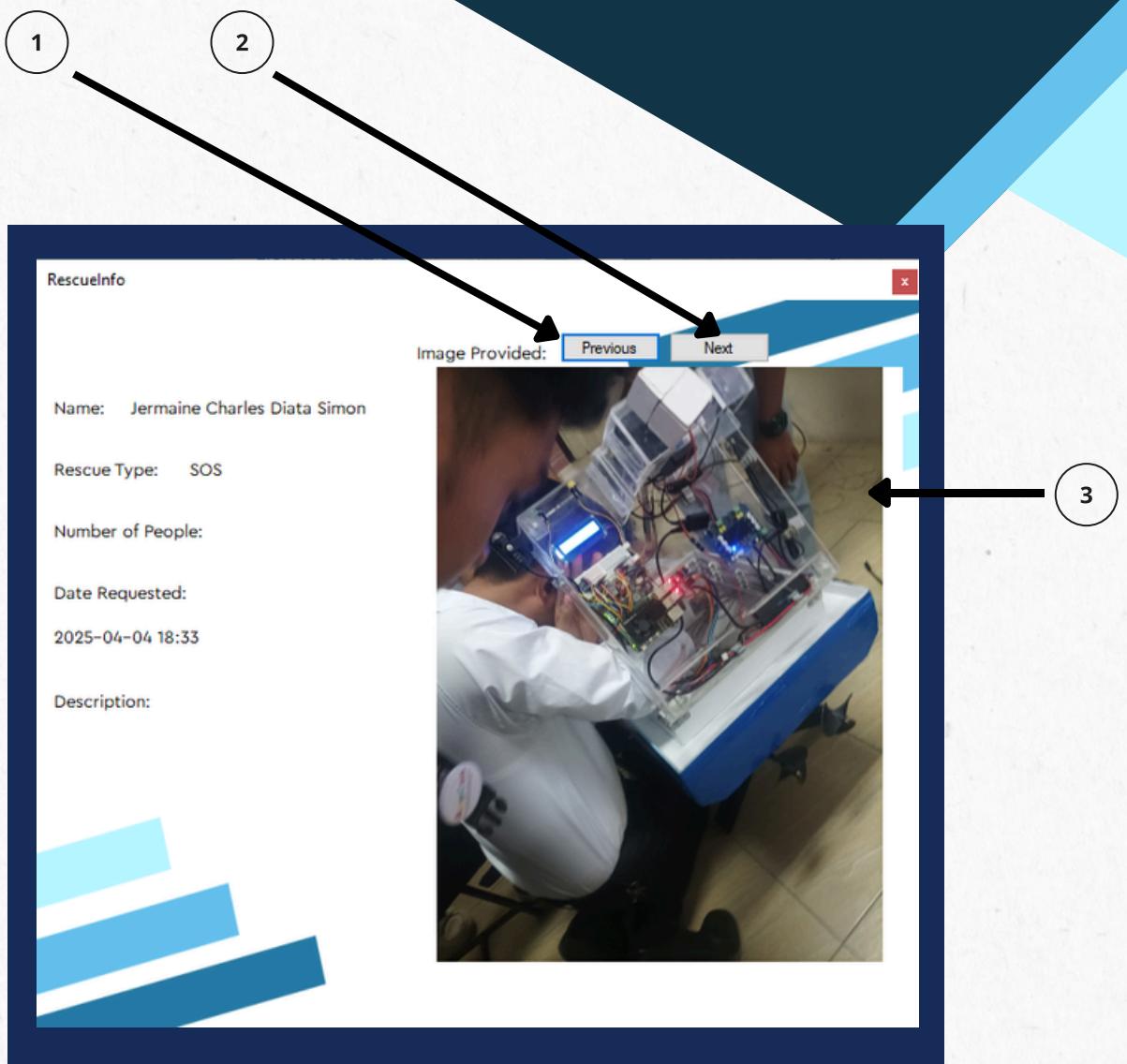
1. Get Code Button - send an OTP to the email provided by the user.
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4. Save Button - changes the password



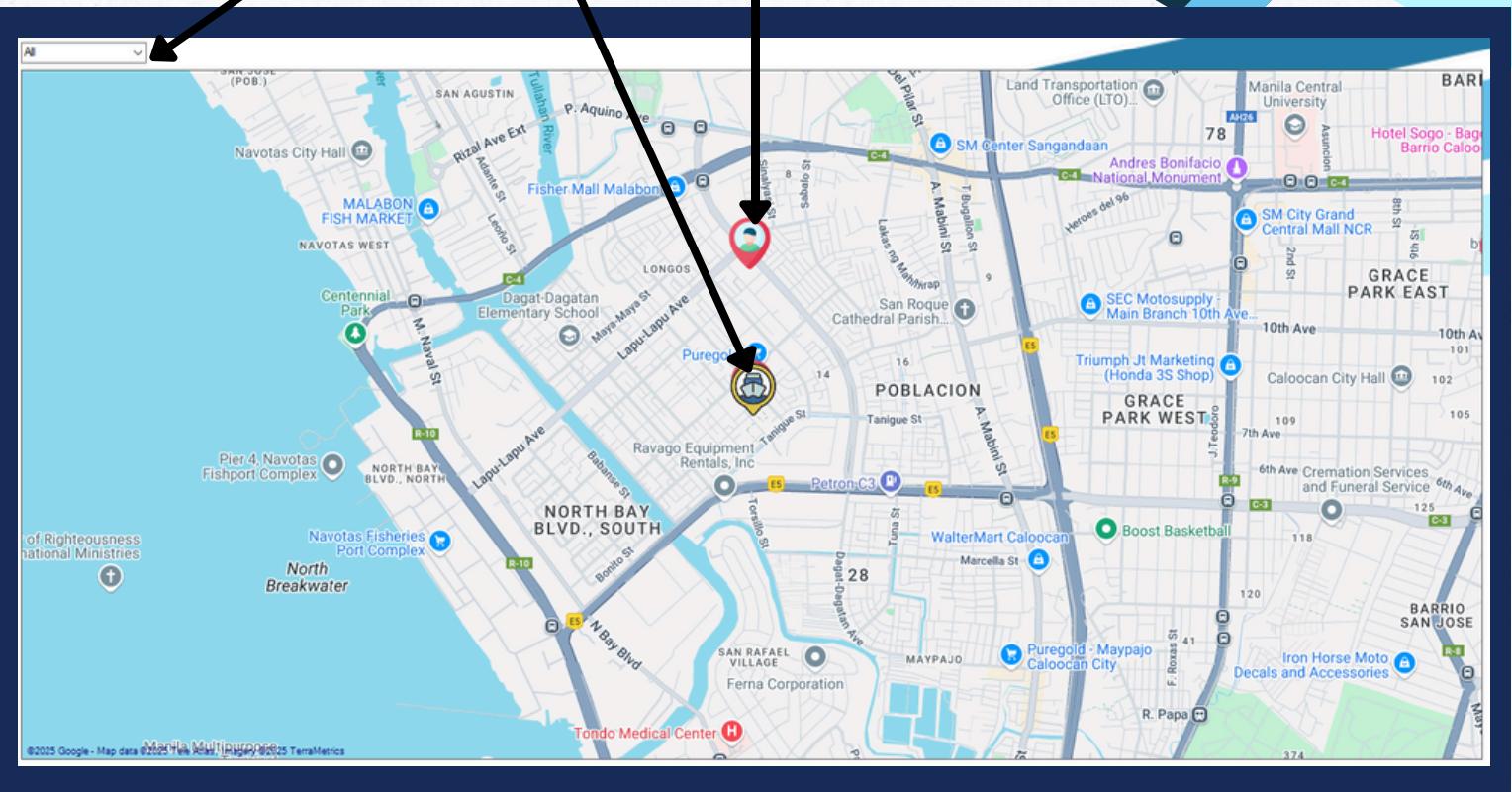
1. Request Cards - shows active requests.
2. Graph - shows the water level.
3. Map - shows the location of active requests.
4. Logout Button - logs out the account.
5. User Button - redirects to user's page.



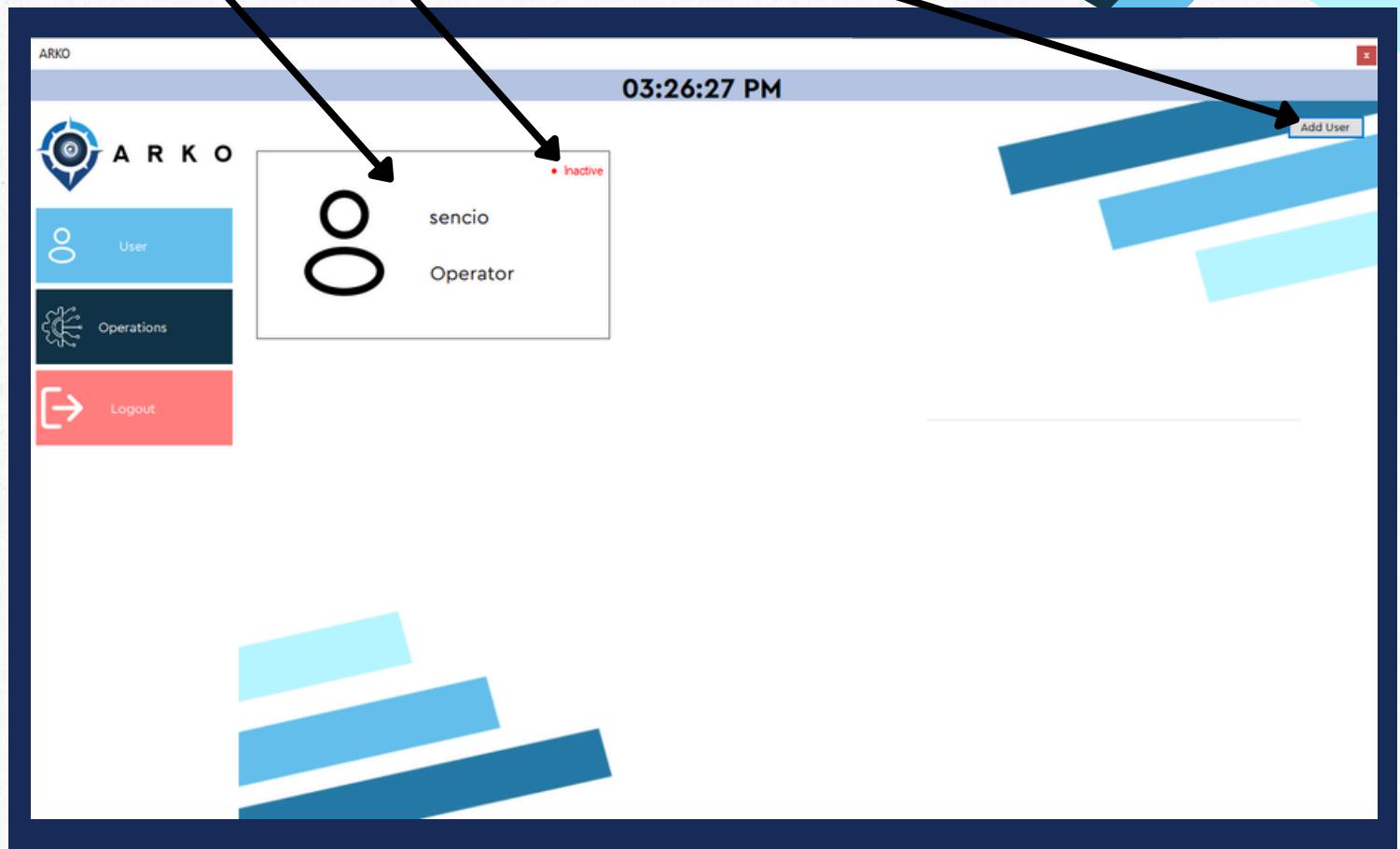
1. Side bar - changes color depending on the category of the request.
2. Show Button - shows the details of the request.
3. Update Button - allows the user to change the status of the request.
4. Rescue Status - contains rescue status options (i.e. "Completed")
5. Save Button - updates the status of request.



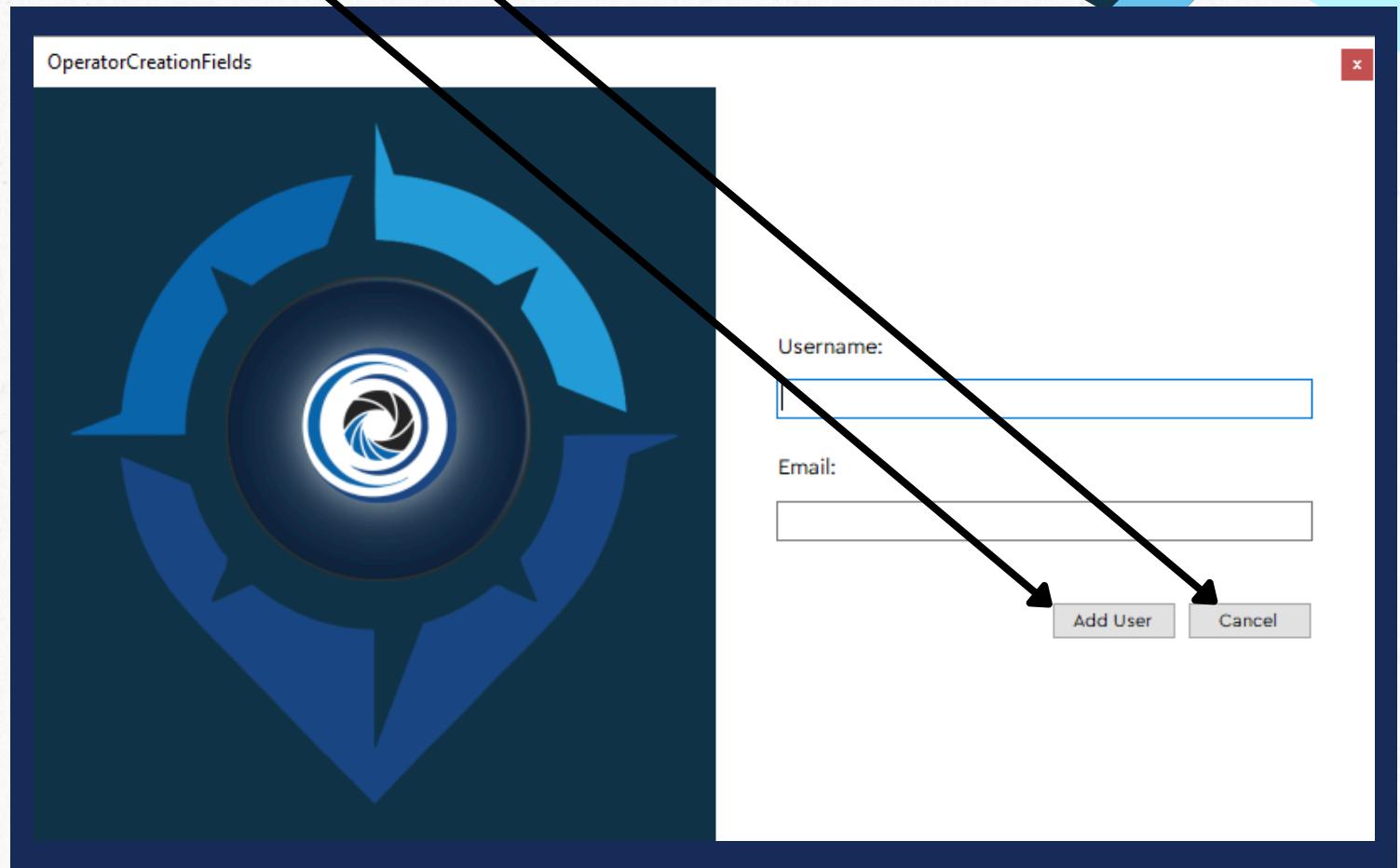
1. Previous Button - show previous photo.
2. Next Button - show next photo.
3. Image Box - shows the provided images.



1. Filter - filters the pin in the map.
2. Vessel pin - vessel's location.
3. Stranded pin - stranded person's location



1. User Card - user' information.
2. User Status - account's status.
3. Add button - opens Add User page.



1. Add User Button - creates User Card.
2. Cancel - close the Add User page.



Mobile App

User Manual Guide

For Civilian Use

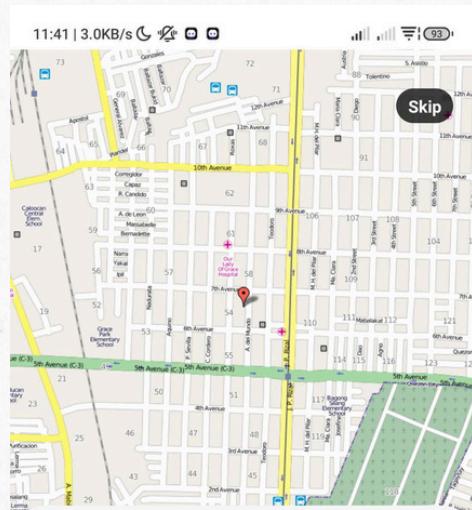
Onboarding Page



Introducing ARKO App

ARKO is designed to assist rescue teams in high-flood situations by reaching individuals stranded in areas inaccessible by traditional methods.

• • •



Stay Informed in Real Time

Easily track the vessel's location and progress as it moves through flooded areas, ensuring help is delivered efficiently.

• • •



Request Help Instantly

Activate the SOS button to send emergency alerts or request essential relief supplies with just a tap.

• • •

Get Started

■ ◯ ◀

Title Page



Advanced Remote Kontrol Operator

To Login Page

Login

[Sign Up](#)

To Sign Up Page

Sign Up Page

11:42 | 0.1KB/s 🔍 0 0 1/3

Personal Info

Get Started
Please fill out your personal info.

First Name

Middle Name

Last Name

Gender

Birth Date

Contact No.

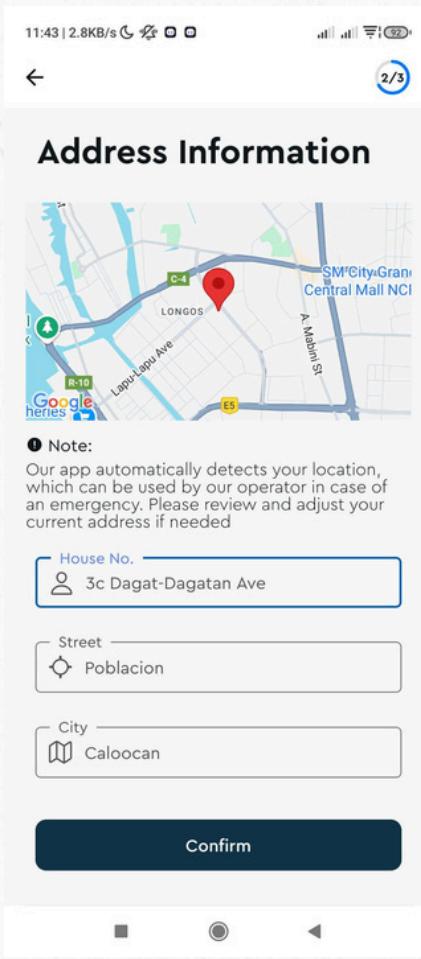
Create an Account Create Account button

Are you sure you want to proceed?

Cancel Confirm

Once you pressed the button, the confirmation will appear.

Sign Up Page



Address Info

Address Information

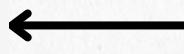


Note:

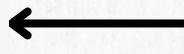
Our app automatically detects your location, which can be used by our operator in case of an emergency. Please review and adjust your current address if needed.



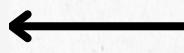
Map & Your Location



House No.



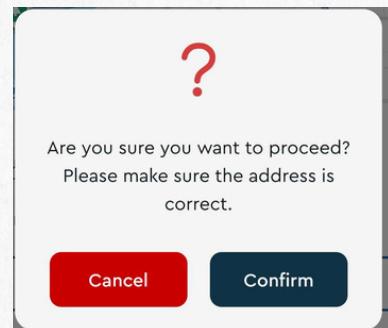
Street



City



Confirm button



Once you pressed the button, the confirmation will appear.

Sign Up Page

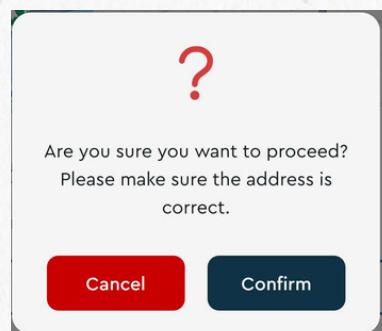
Account Creation



Account Setup

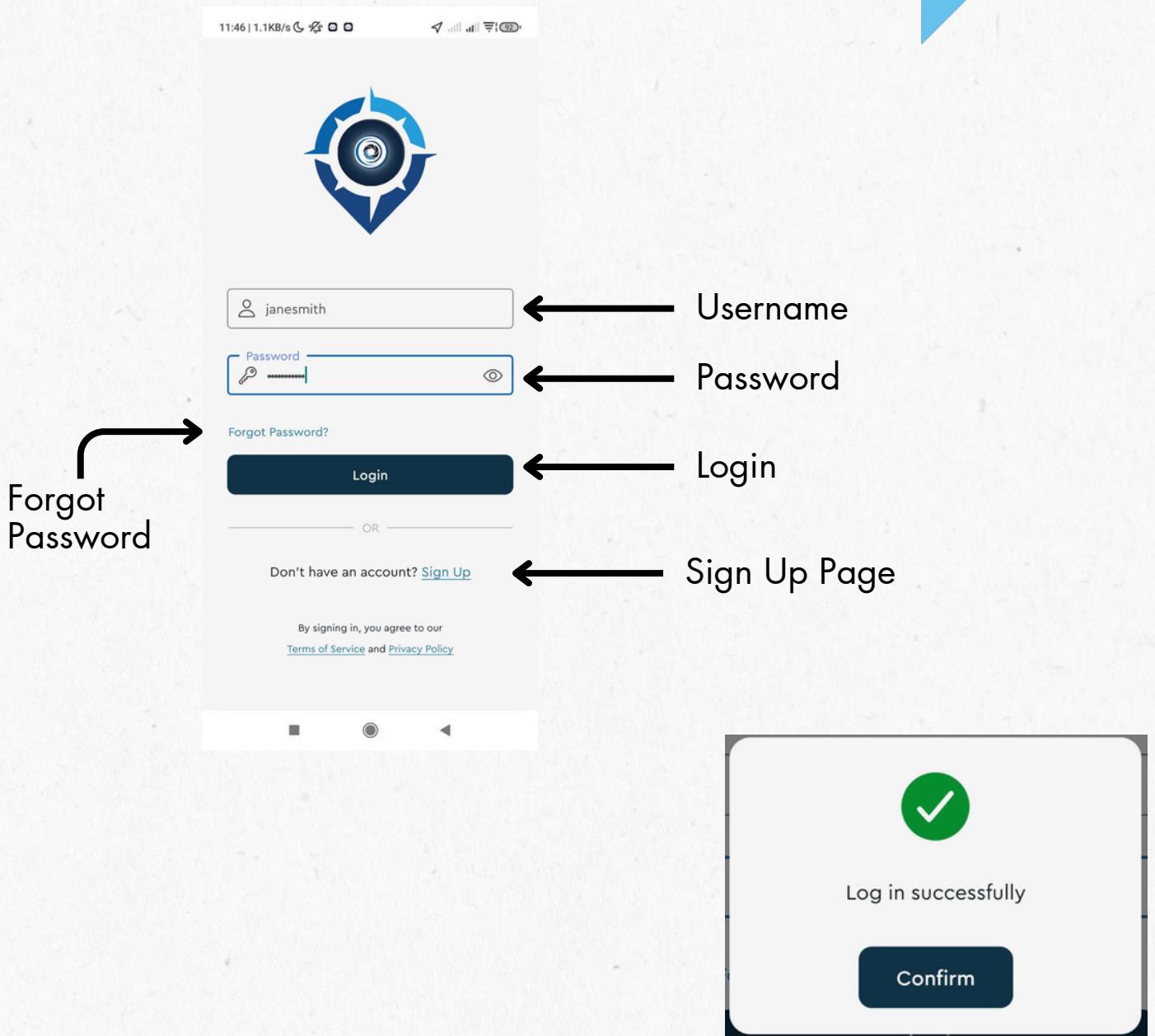
Enter your account details and we will verify your email to finish setting up your account

<input type="text" value="janesmith"/>	← Username
<input type="password" value="@janesmith1"/>	← Password
<input type="password" value="@janesmith1"/>	← Confirm Password
<input type="text" value="xxxxx@gmail.com"/>	← Email
<input type="text" value="OTP Code 551998"/>	← OTP Code and Send Code Button
<input type="button" value="Create Account"/>	← Create Account Button



Once you pressed the button, the confirmation will appear.

Login Page



User Page

Map Tab

The image displays the ARKO app's Map Tab interface. At the top, a proximity notification for "ARKO_1" is shown, indicating it is 43m away. Below the notification is a map of a residential area with several ARKO locations marked. A red circle with an asterisk (*) indicates the user's current location. A blue circle with a person icon indicates an ARKO location. A green circle with a building icon indicates another ARKO location. A yellow circle with a gear icon is labeled "Help Button". On the right side of the map, there are two buttons: a red one labeled "Quick SOS" and a yellow one labeled "Emergency Request". The bottom of the screen shows a navigation bar with tabs for "Location", "Requests", "Notification", and "Menu".

Proximity Notification

See your Location

Map Layer

See All ARKO

ARKO

Your Location

Help Button

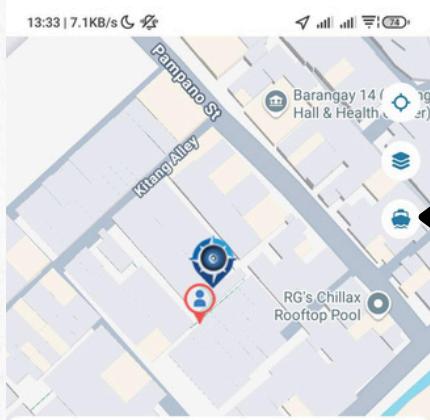
Quick SOS

Emergency Request

Tabs

User Page

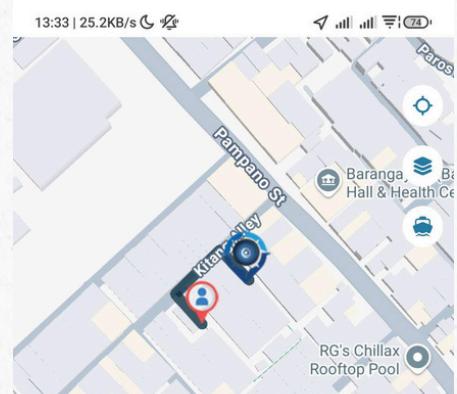
Map Tab



See All ARKO

Available ARKO

ARKO Details



Tabs

User Page

Help Button – QUICK SOS

13:49 | 10.3KB/s



Quick SOS

Emergency SOS

Press and hold the SOS button if you are stranded in your home due to flooding or need to evacuate due to rising water levels. Your coordinates and home address will be sent to our server and classified as a rescue request.



← SOS Button

Once activated, a countdown of 3 seconds will begin before sending an alert. Press again to cancel.



This page allows users to send an emergency alert with their current location in just one tap.

Note: You can only send once request per account. If you do not have ongoing request. You can send request again.

User Page

Help Button - Emergency Request

13:49 | 10.7KB/s



← Request Assistance

Please select the type of emergency assistance you need. Your location will be used to pinpoint and deliver service to your exact location.

Select emergency type *

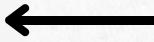
* Emergency Type



Emergency Type

Number of people

No. of people

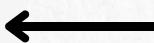


No. of People

Location *

Auto Detect

Set on Map



Location

Location acquired successfully

Additional Info (Optional):

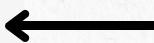
Enter additional details about your emergency



Description or other additional info

Picture (Optional):

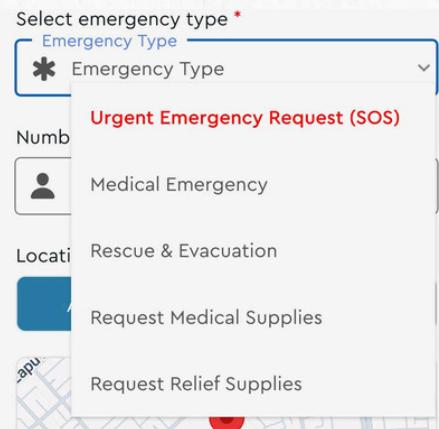
Upload up to 3 image (max 5MB)



Image

Send Request

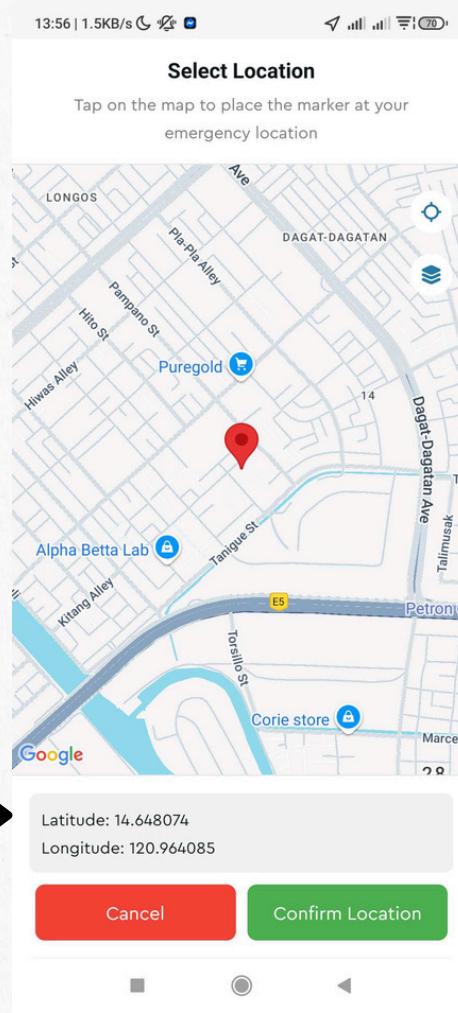
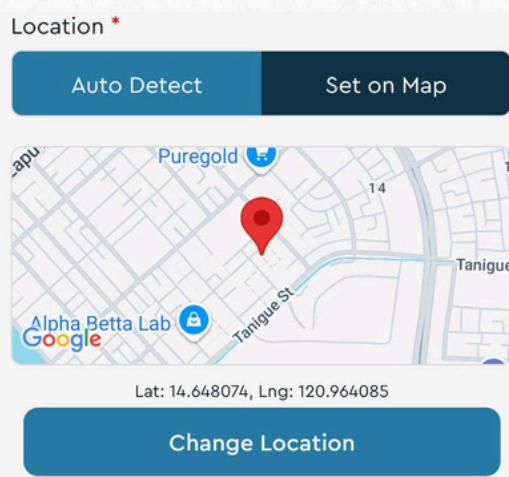
Note: You can only send once request per account. If you do not have ongoing request. You can send request again.



User Page

Help Button - Emergency Request

If you choose set on map as your location. You can set it whenever you want

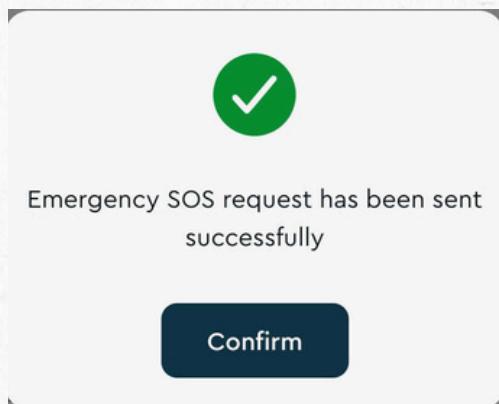


Note: You can only send once request per account. If you do not have ongoing request. You can send request again.

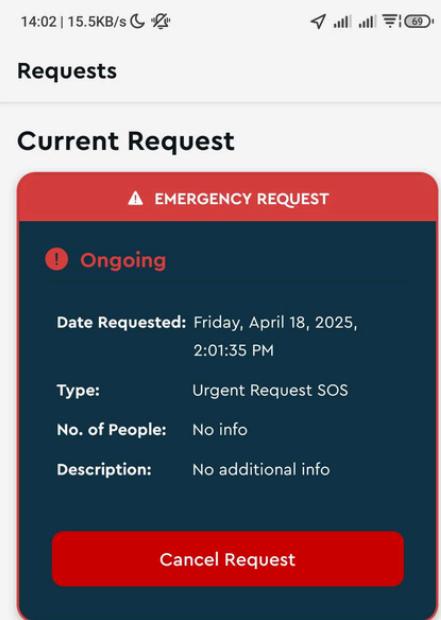
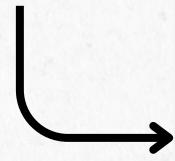
User Page

Request Tab

Once you submitted a request. You can see your ongoing request on Request Tab



Request Card



You can cancel your current request to request another one. However you cannot cancel it once it changed its status

Note: You can only send one request per account. If you do not have ongoing request. You can send request again.

User Page

Request Tab

Request Card

14:14 | 4.2KB/s 🔍 🌐



Requests

Current Request

⚠️ EMERGENCY REQUEST

❗️ En Route

Date Requested: Friday, April 18, 2025, 2:01:35 PM

Type: Urgent Request SOS

No. of People: No info

Description: No additional info

Updated Status



Completed Request

14:16 | 47.8KB/s 🔍 🌐



Requests

Recent Requests



SOS

Request Completed

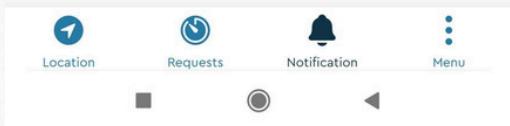
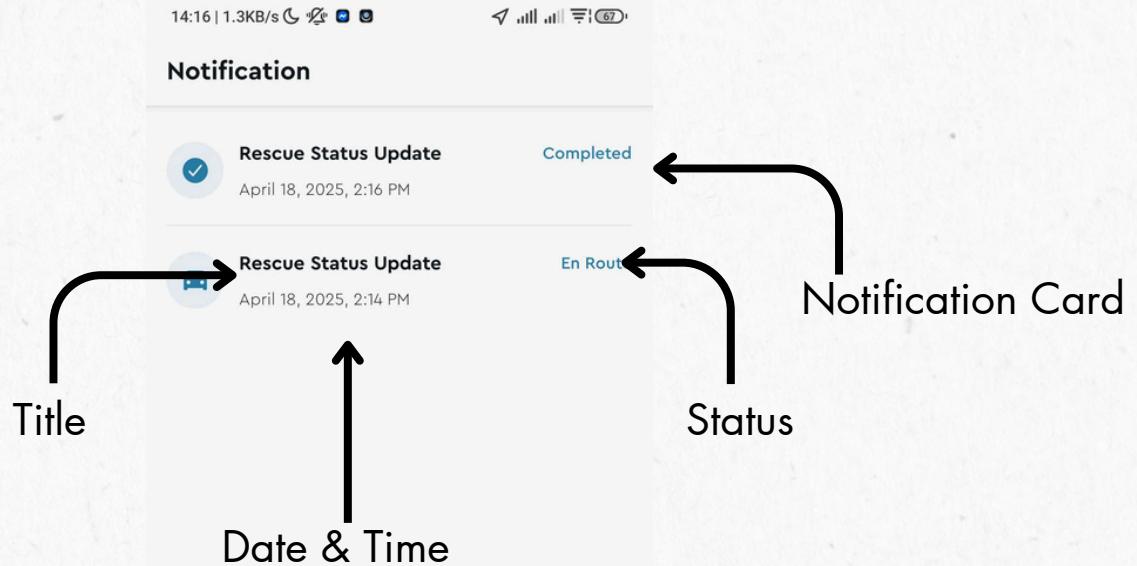
Friday, April 18, 2025, 2:01 PM



Note: You can only send once request per account. If you do not have ongoing request. You can send request again.

User Page

Notification Tab



User Page

Menu Tab

14:14 | 3.5KB/s 🔍 🌐 📺



Menu

Profile Picture →

User Name → Jane

Profile Settings

Edit Profile Page → Edit Profile >

Privacy Settings

Change Password → Change Password >

Change Email → Change Email >

About App

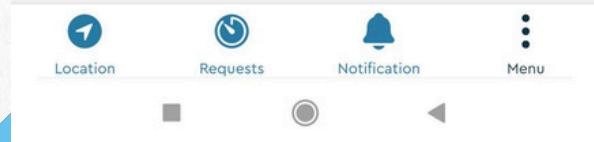
About → About ARKO >

Privacy → Privacy Policy >

T & C → Terms and Conditions >

Account Settings

Log out → Log Out >

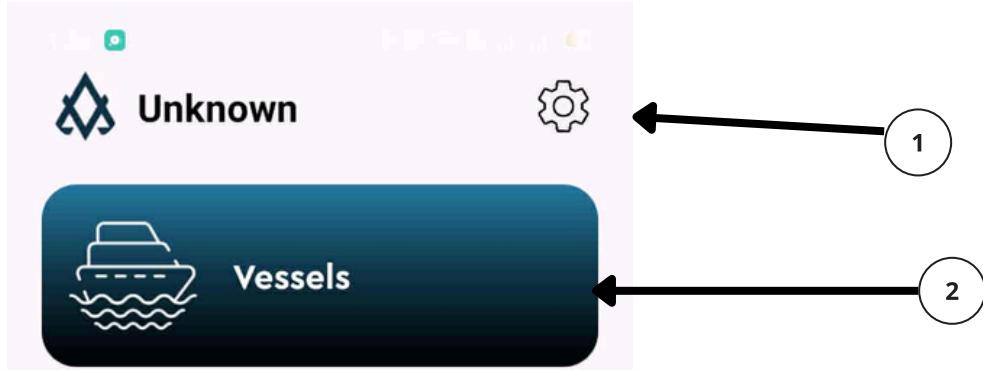




MOBILE OPERATOR

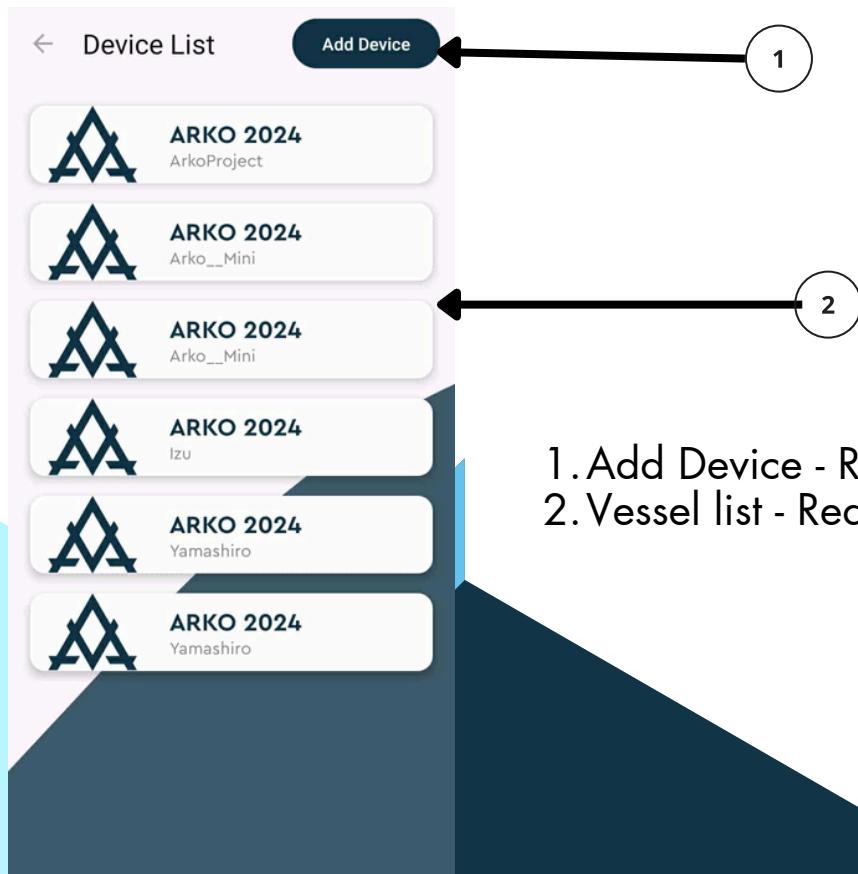
User Manual Guide
For Operator Use

DASHBOARD



1. Setting Button - Redirect Setting Page.
2. Vessel Button- Redirect Vessel List Page.

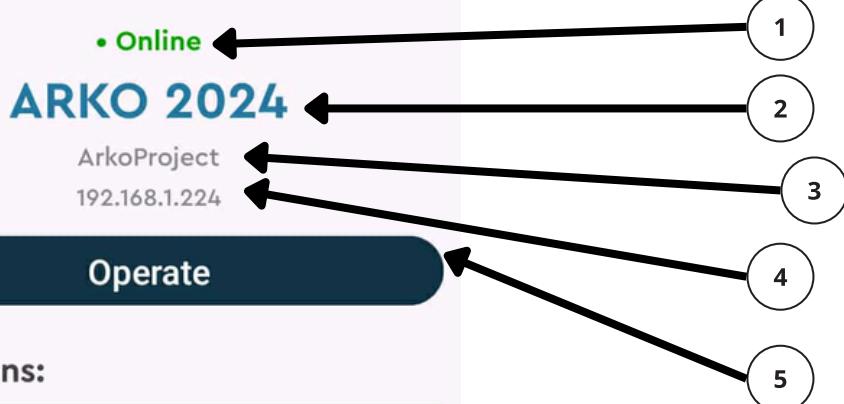
Vessel List



1. Add Device - Redirect Vessel Adding Page.
2. Vessel list - Redirect Vessel Detail Page.

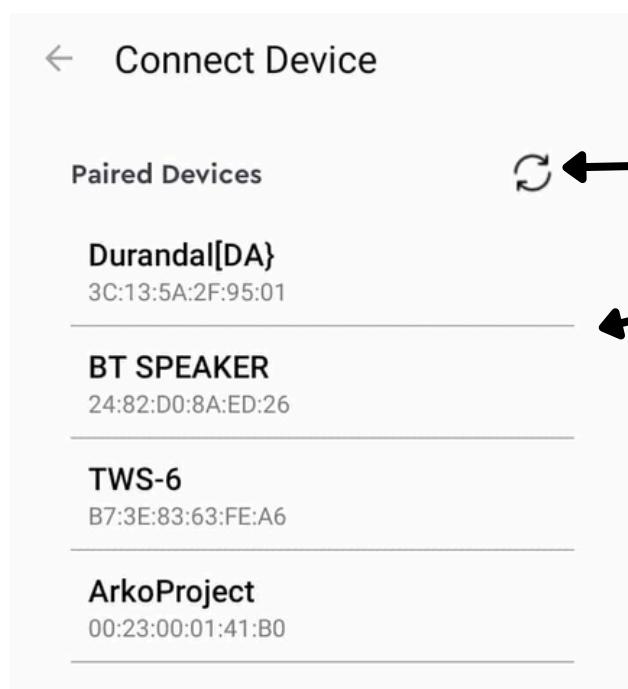
VESSEL DETAILS

← Vessel Detail



1. Status label - display the vessel availability
2. Vessel Name
3. Network Name
4. Device Ip Address
5. Operate Button - redirect to controller page when available

VESSEL ADDING



1. Refresh Button - Refresh paired devices
2. Bluetooth paired devices - Modal will appear if the device replied as vessel

Vessel Authentication

Enter Vessel key and password

Enter Key

Enter Password

Cancel

Vessel Information

Modify Network

Name: ARKO 2024

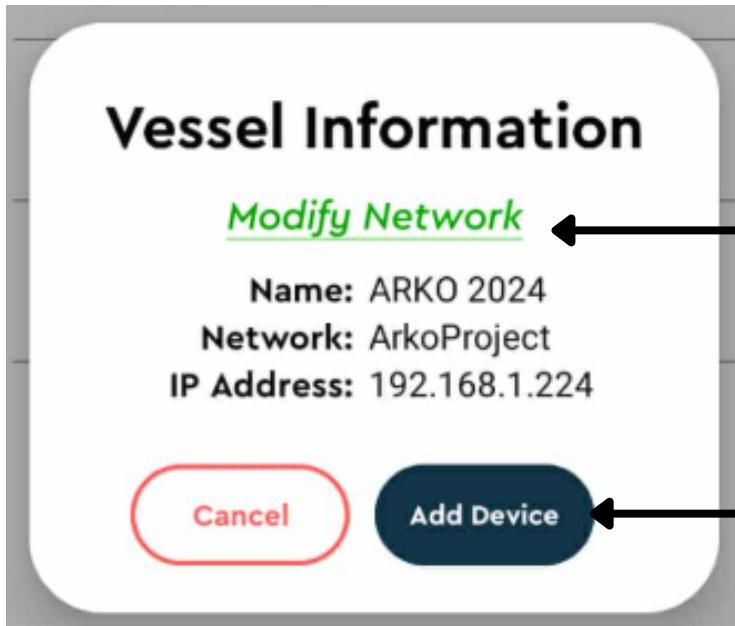
Network: ArkoProject

IP Address: 192.168.1.224

Cancel

Add Device

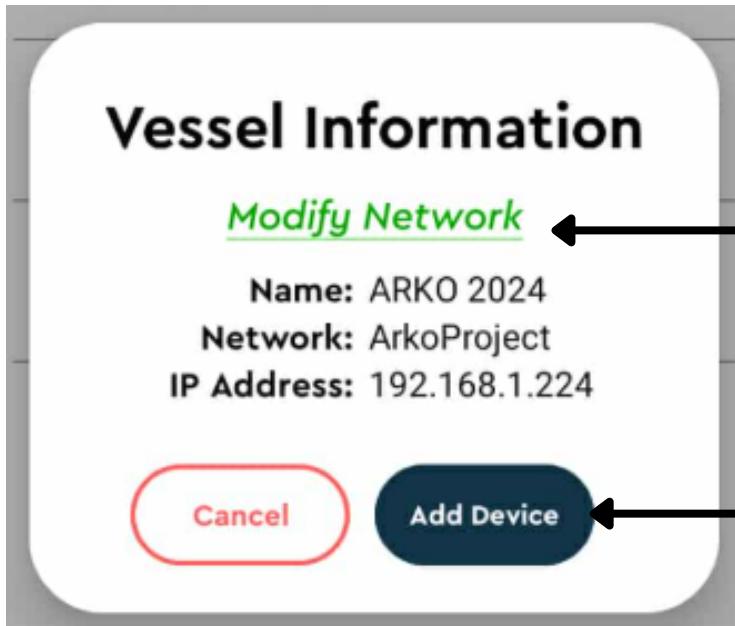
VESSEL ADDING



Open Modal for modifying network

Add vessel from the Vessel list

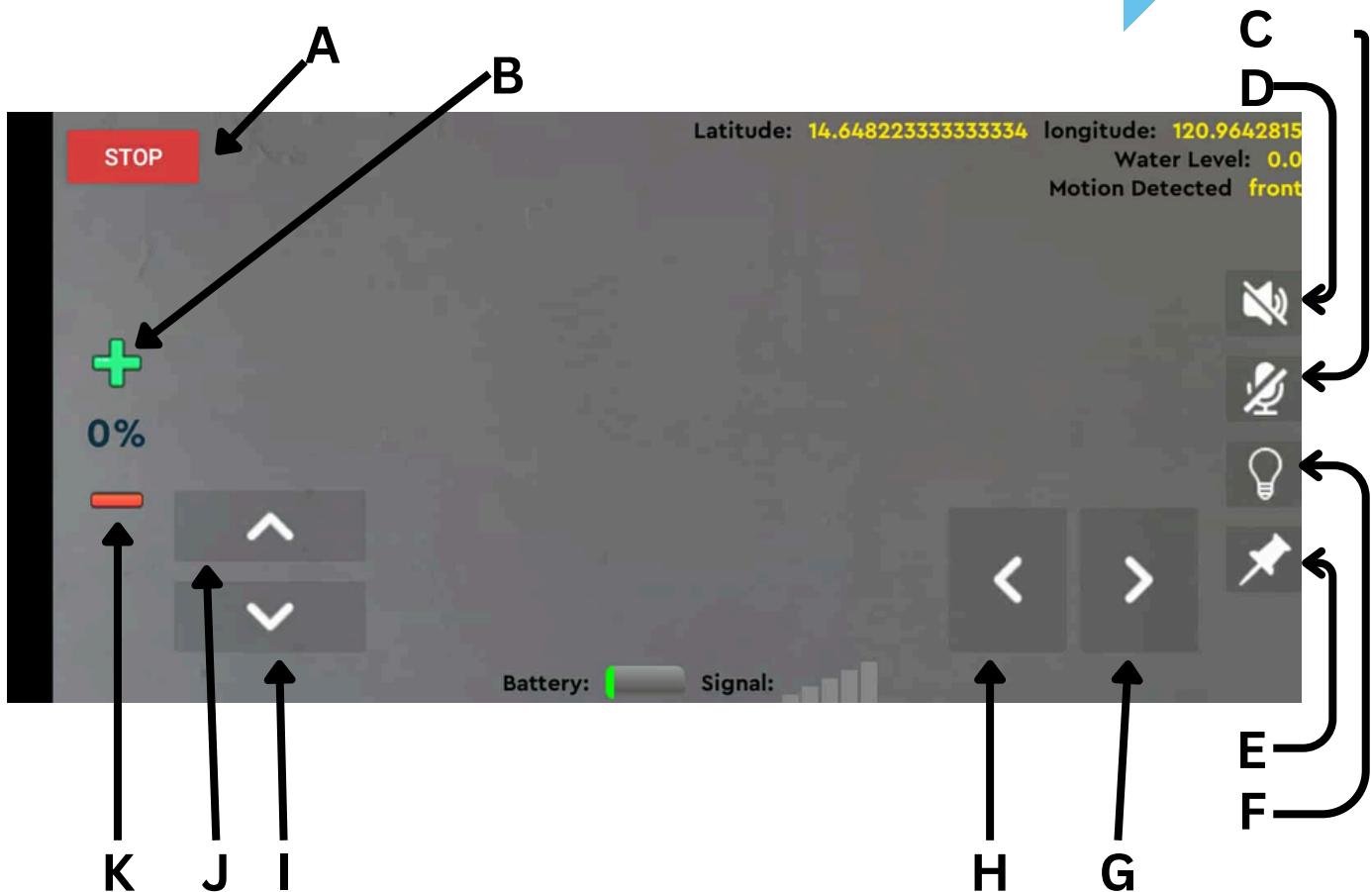
VESSEL ADDING



Open Modal for modifying network

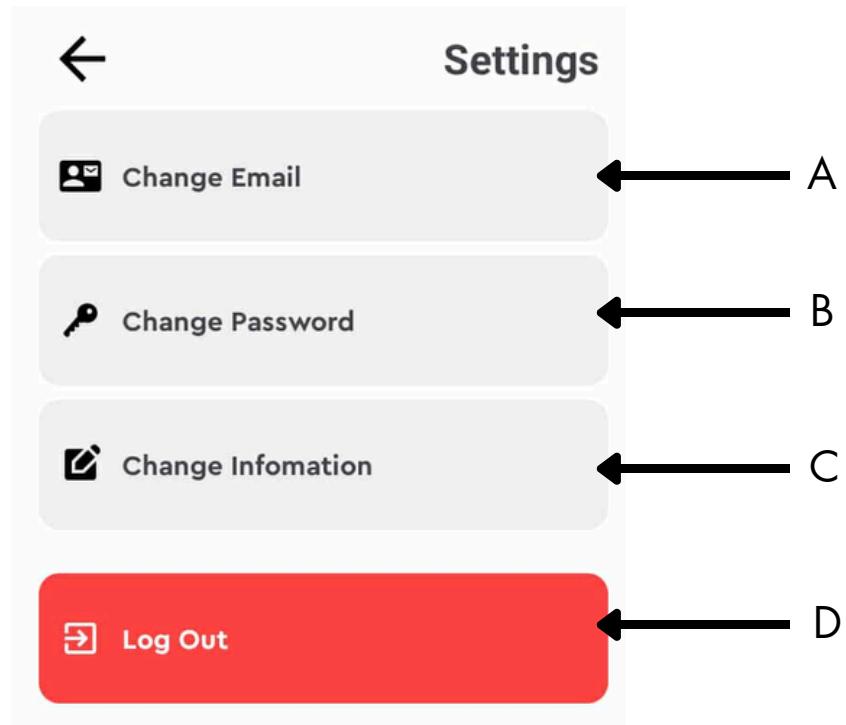
Add vessel from the Vessel list

VESSEL Controller



- A. Stop Button – Halts the vessel's operation.
- B. Add Throttle Button – Increases the vessel's speed.
- C. Speaker Button – Toggles the speaker (mute/unmute).
- D. Mic Button – Toggles the microphone (on/off).
- E. Light Button – Turns the vessel's lights on or off.
- F. Pin Button – Pins the current location of the vessel.
- G. Right Turn Button – Turns the vessel to the right.
- H. Left Turn Button – Turns the vessel to the left.
- I. Reverse Button – Moves the vessel backward.
- J. Forward Button – Moves the vessel forward.
- K. Minus Throttle Button – Decreases the vessel's speed.

VESSEL Controller



- A. Change Email - Redirect to changing account's email
- B. Change Password - Redirect to changing account's password
- C. Change Information - Redirect to changing account's information
- D. Log out - Log out the user



 ARKO



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