ImageOnMap

Panorama KIT (Xphase)

SPECIFICATION AND START GUIDE

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KIT elements

- spherical camera
- power bank
- spherical light
- tablet
- USB charger
- tripod
- transport case
- safety equipment

Quick start guide

- Download required maps from Ayelix
- Charge tablet, camera and power bank for the camera
- Mount camera on tripod (with optional power bank and light)
- Turn on the tablet
- Turn on camera (press the button for 3-5 sec.)
- Load the “ImageOnMap” application
- Log-in to the application with your Ayelix user account
- Create project (+ choose facility)
- Create session (+ choose level)
- Go to CapView view to see the map
- Pin the position of the camera on the map (app will record position + camera will expose, please check camera north orientation towards “facility north”)
- Confirm image (+ wait until it is captured and transferred to tablet)

After completed photo session:

- Turn off and dismount camera
- Connect tablet to the internet (Wi-Fi) and sync data (optionally transfer data to the local storage .iom file for a later synchronization to server)

In the last tab (i) in the application there is complete and detailed instruction for the application

Contact list:

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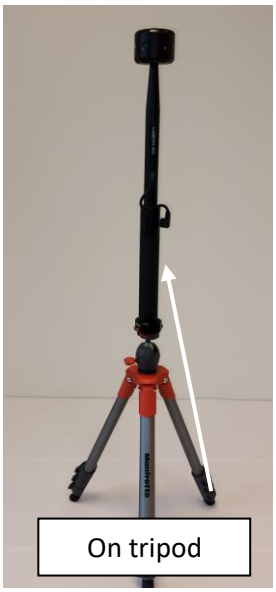
Panorama KIT

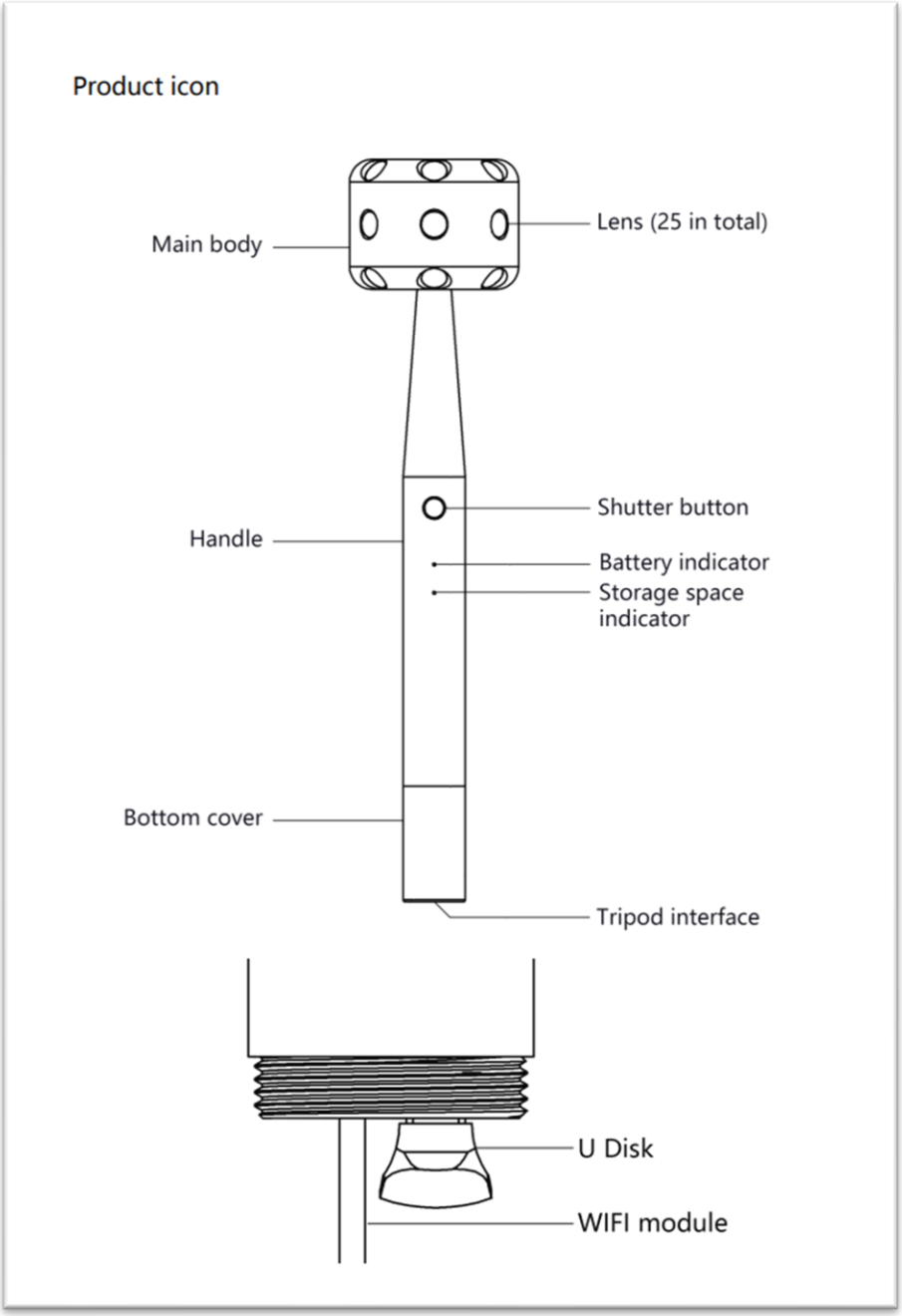
General

Interior

Details

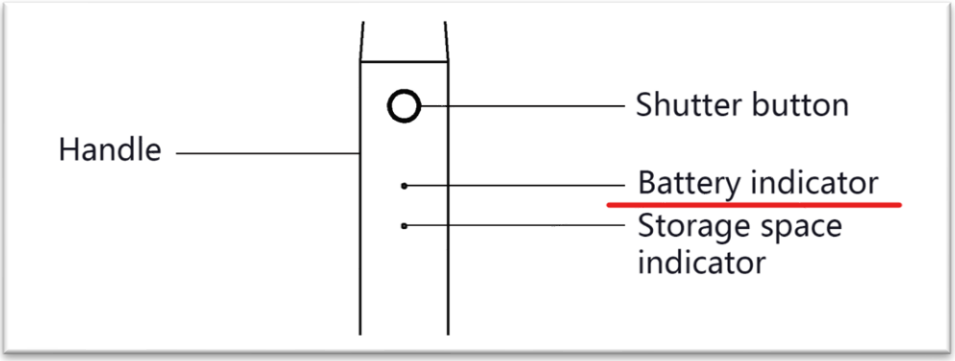


Camera basics



Battery and Memory Storage Space

Battery Indicator

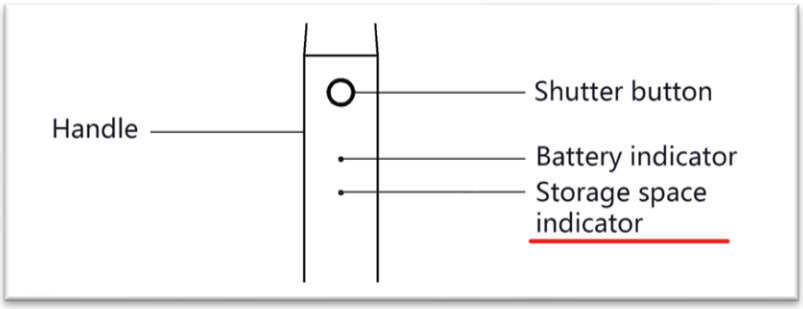


Charging Battery - the battery indicator will flash when charging.

Color meaning of the battery (top) indicator:

- **Blue** 80%
- **Cyan** 60%
- **Green** 40%
- **Yellow** 20%
- **Red** 20%
- **Purple** means the remaining battery is exhausted, it will be shut down

Memory Storage Space Indicator



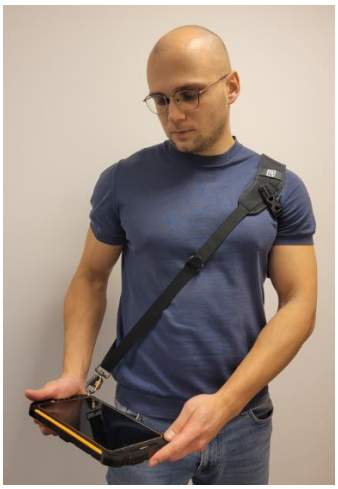
Color meaning of the storage space (memory):

- **Blue** - about 100 or more
- **Cyan** - about 50 or more
- **Green** - about 20 or more
- **Yellow** - about 10 or more
- **Red** - up to 10 or less, or the USB disk is not inserted

The storage space required for each photo in different scenes is quite different, so the number of remaining shots is only an estimate.

Safety and protective equipment

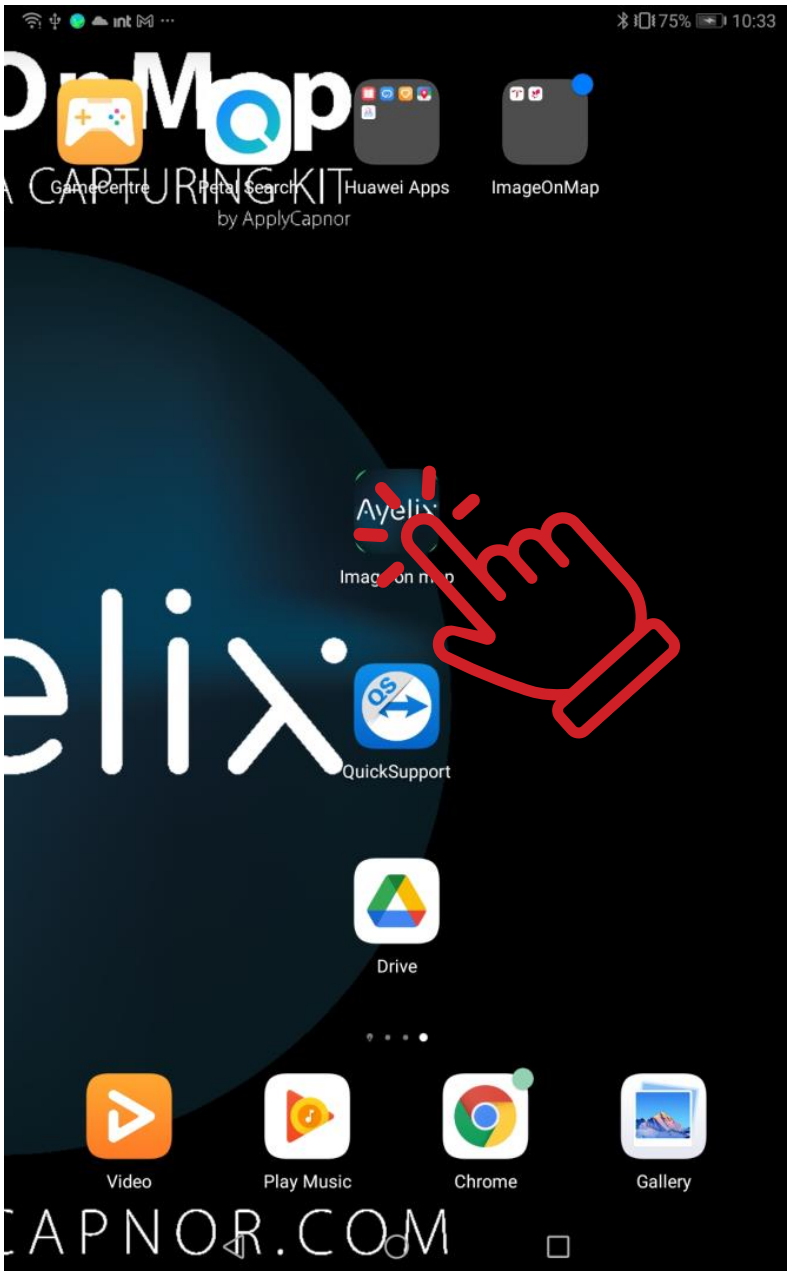
- Setup is equipped with safety covers for camera and tablet
- It has attached straps and harnesses for comfortable handling and movement of the equipment without a risk of dropping it down
- You should always carry tablet with the strap around your shoulder
- Camera if not attached to the tripod should be attached to your wrist
- For additional explanation of the safety strap for equipment watch the following video: https://www.youtube.com/watch?v=7aF1yttJ9jw



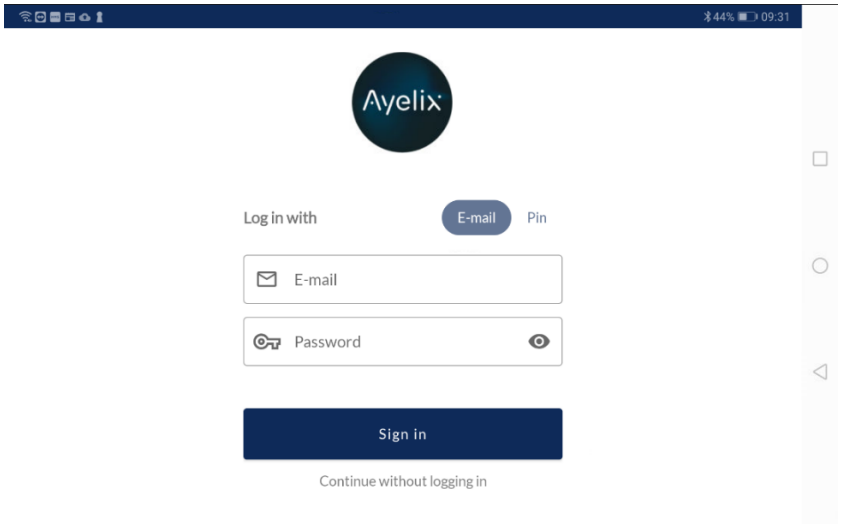
Spherical photos capturing workflow

DOWNLOAD PLOT PLAN (online)	CAPTURE PHOTOS (offline)	UPLOAD DATA TO SERVER (online)

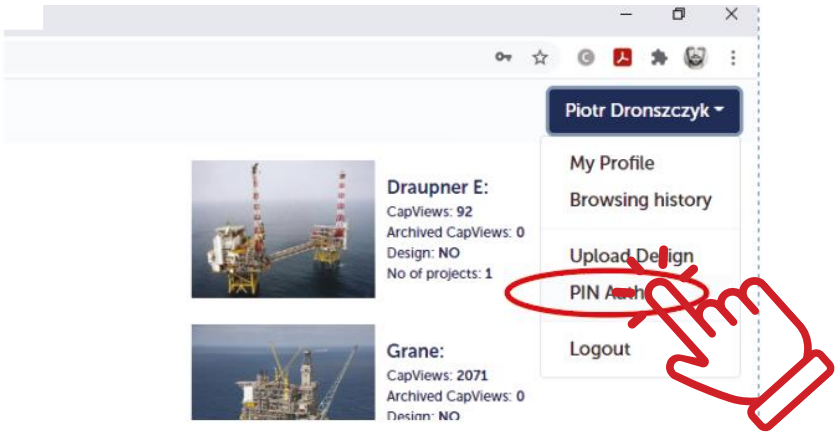
On the tablet: Open ImageOnMap application (application logo may be changed according to particular portal while the name will remain the same)



- Log-in with Ayelix account or with use of PIN authentication.
  (PIN can be generated on AYELIX)



Where to find PIN? You need to Log-in to Ayelix web portal and go your account details (right top corner). Open menu and press “PIN Auth”



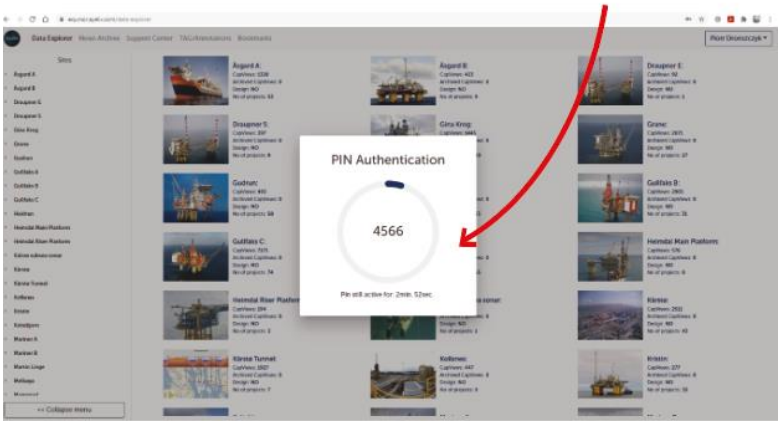
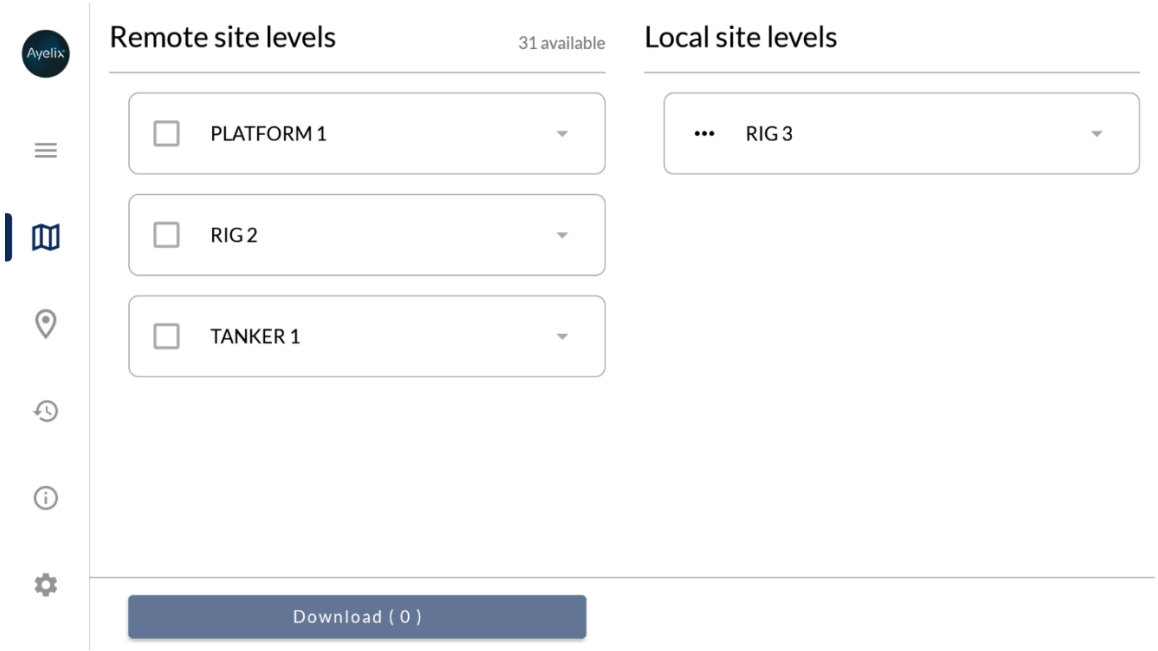
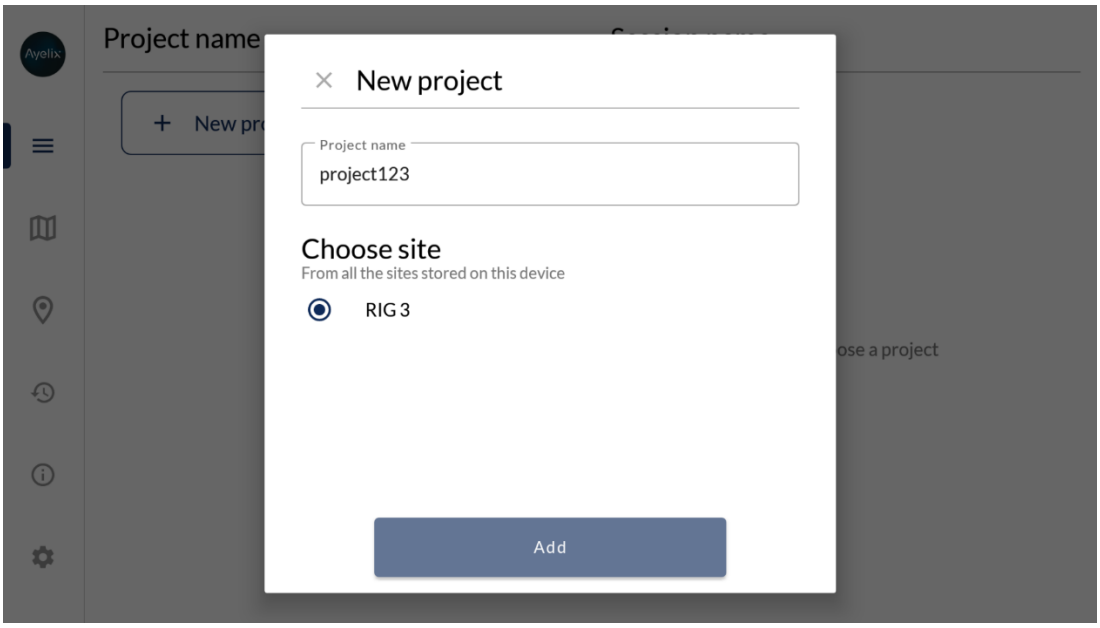


Photo capturing in ImageOnMap

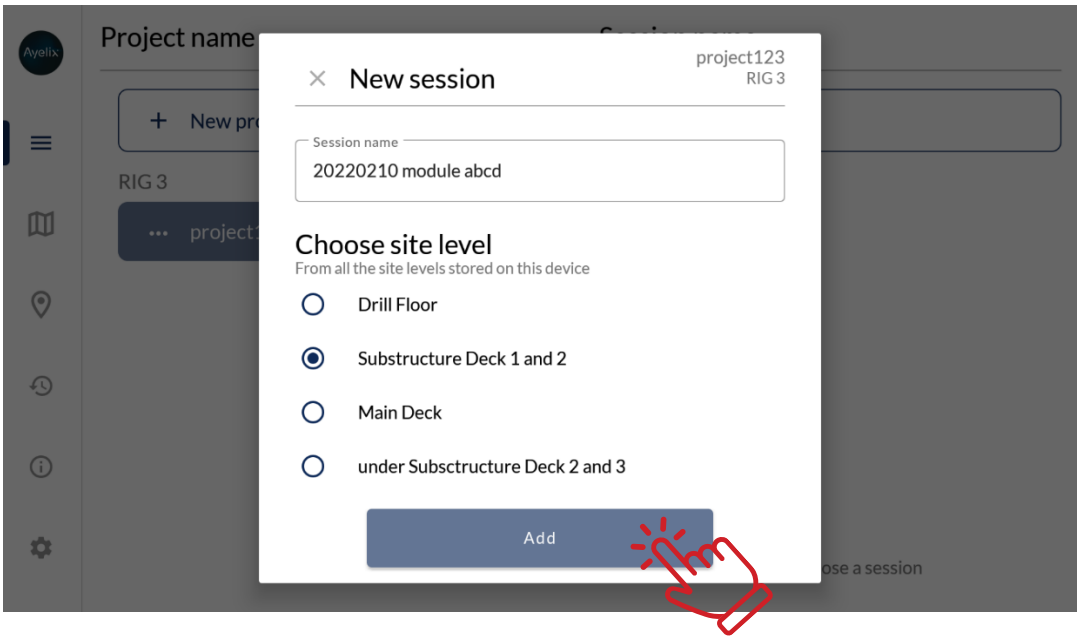
1. Download maps
   (left side: available on server, right side: synced local and the local ones are used during photo capturing)



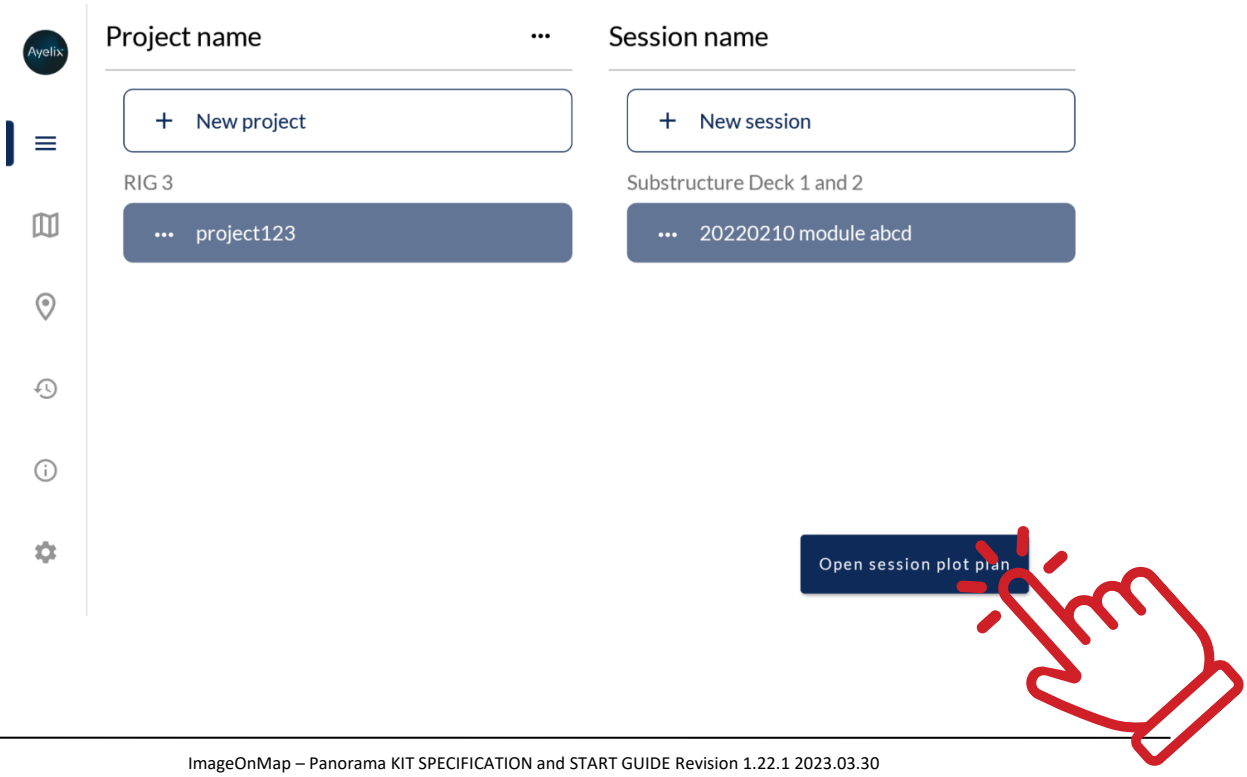
2. Create project and session



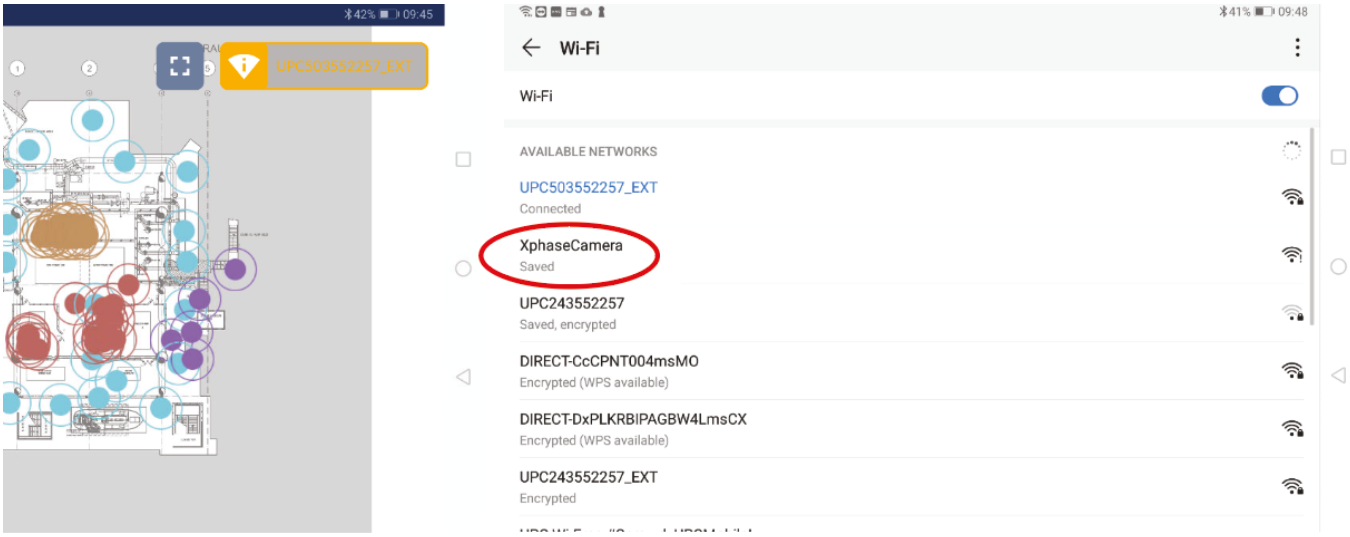
3. Ad a session name
(we suggest using DATE + SHORT DESCRIPTION)
You need to choose facility and on what level this photo session will take place



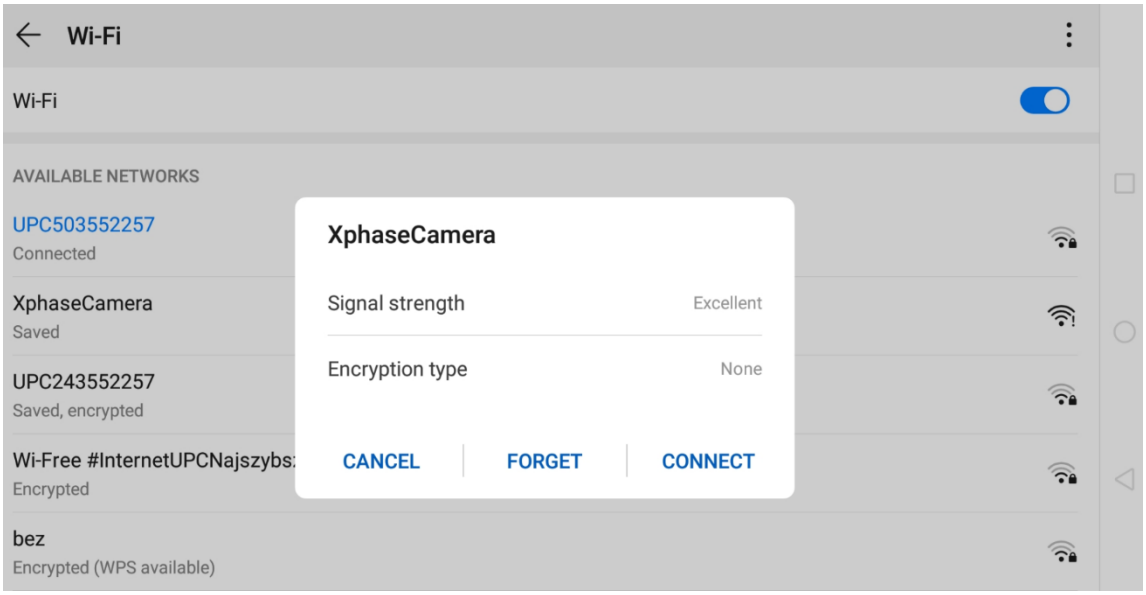
4. Select created session and click “Open session plot plan”

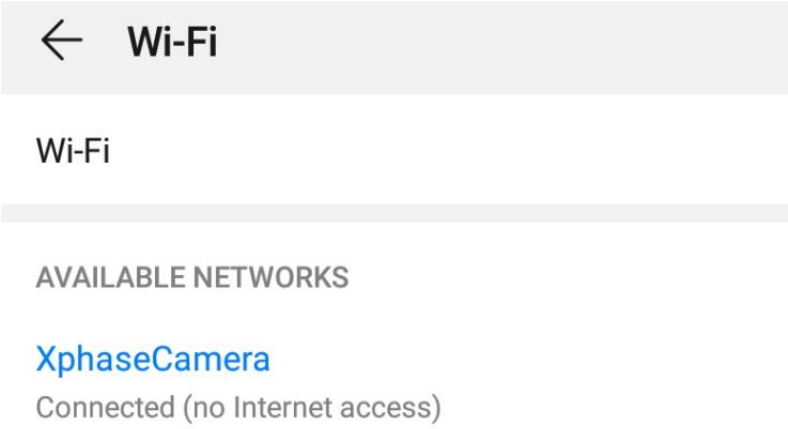


5. Connection to wi-fi
    - If you are not connected by Wi-Fi with the camera in the right top corner Wi-Fi banner will be yellow
    - Press it to choose Xphase Camera Wi-Fi and connect to the camera (no password is required)



- After connection go back to the application. Wi-Fi banner will be green



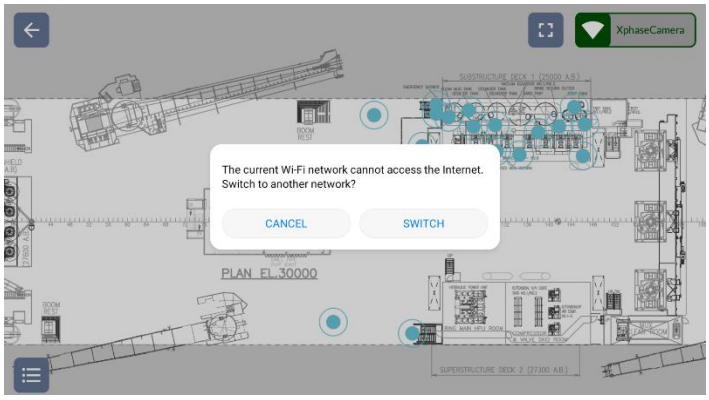


<u>Important note:</u> while connected to the camera Wi-Fi you do not have access to the internet and general operations like:

- Calibrated plot plans download / update
- Data synchronization
- Logging in to the Ayelix account

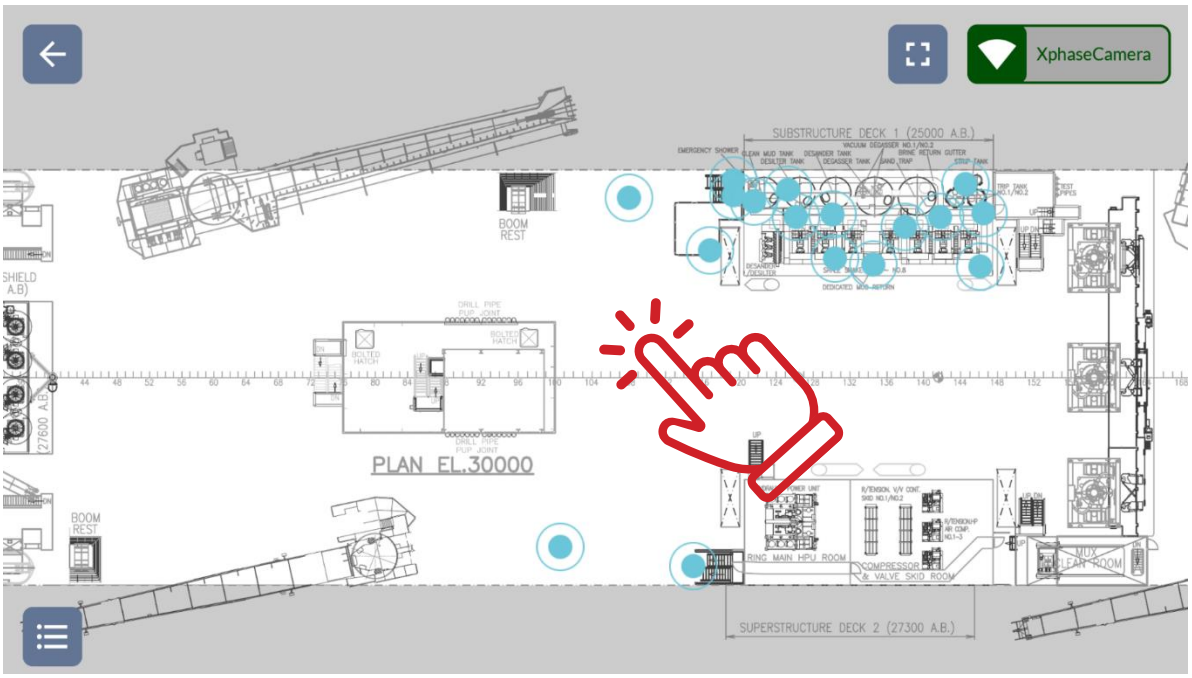
are not possible. To connect to the internet choose other Wi-Fi network

When you get following notification. Press “Cancel” to keep the connection with the camera.



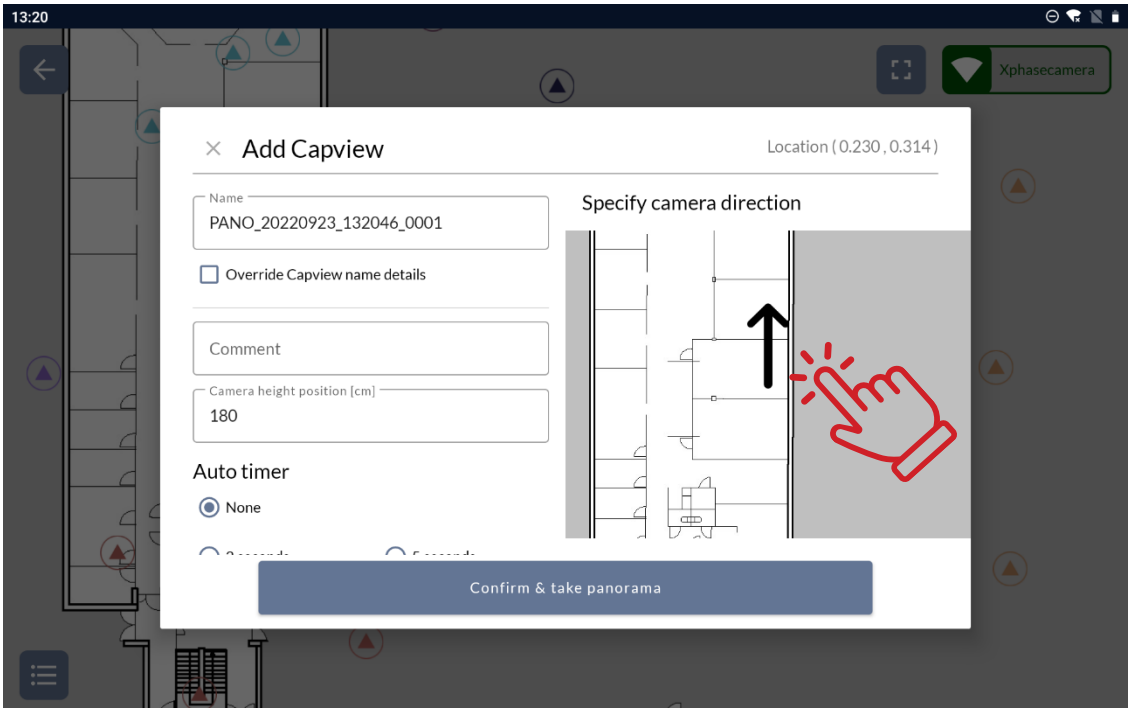
Panorama capturing on ImageOnMp

- To capture a panorama, localize position of your camera on the plot plan and pinpoint that location (press on the screen).

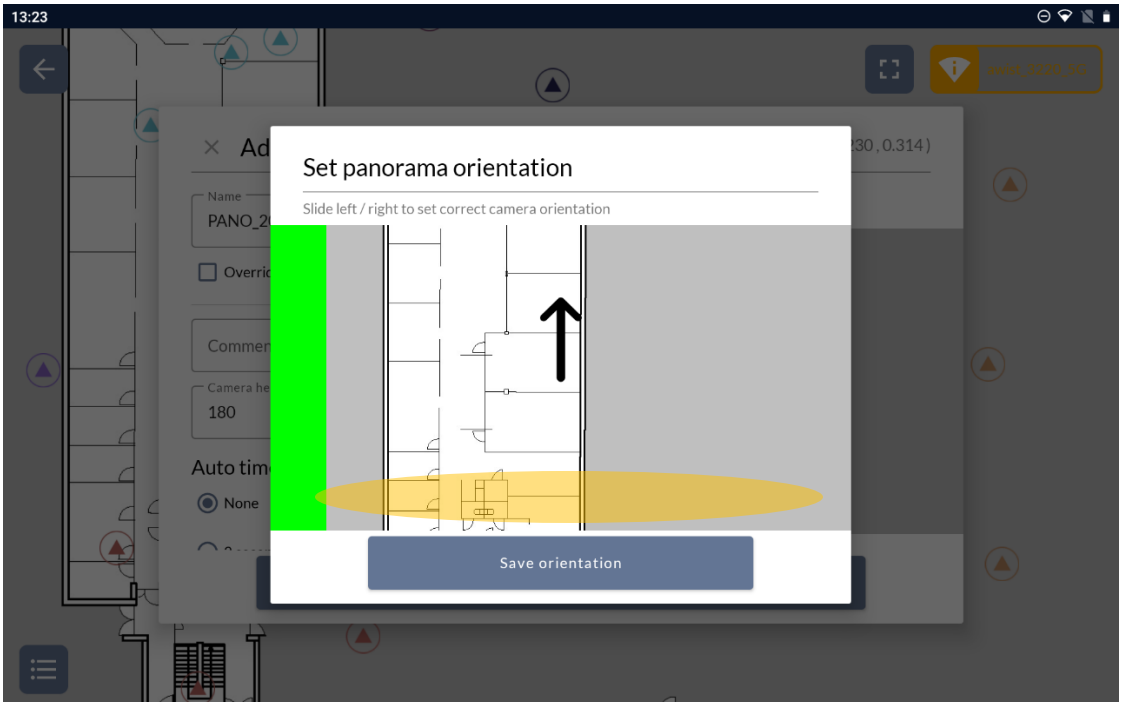


- For additional camera orientation check: led lights and power button on camera stick is facing south while the north sign arrow on top should point opposite -> towards north (port side).

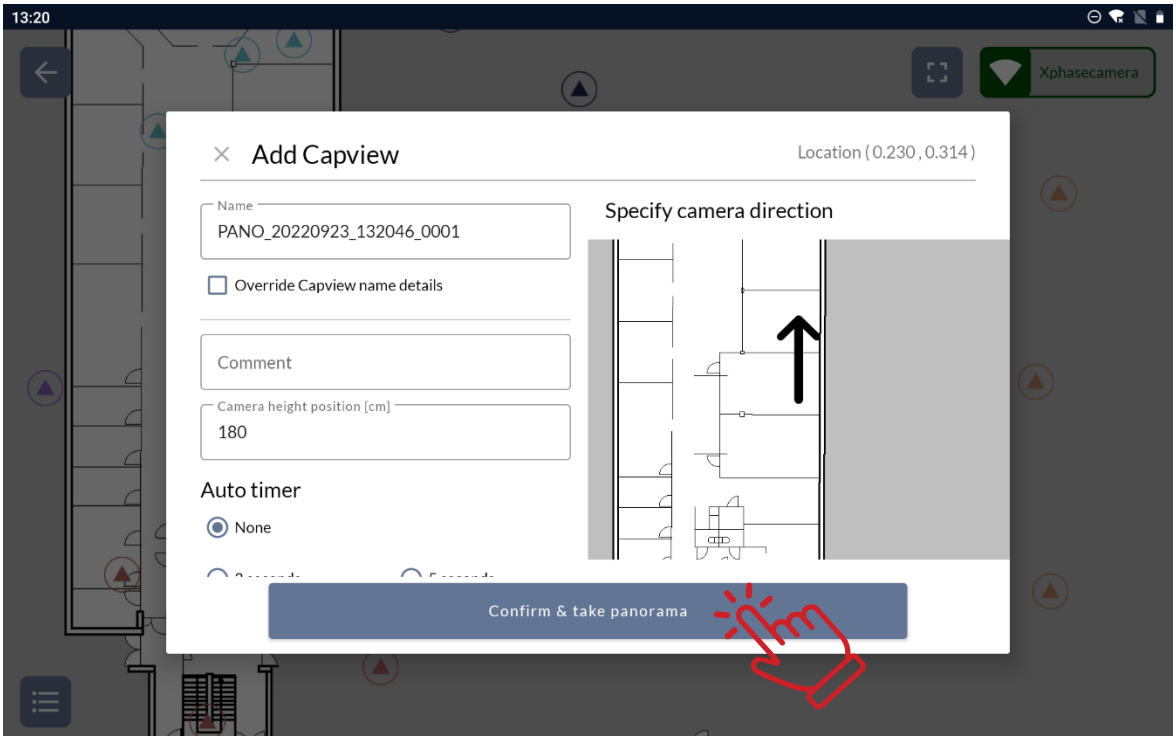
- Setting up the north in the application. Click on the right side image on the "**Specify camera direction"** section.



- Slide left/right to set correct camera orientation and click on **Save orientation.**



- Click on the **Confirm & take panorama** to CAPTURE position



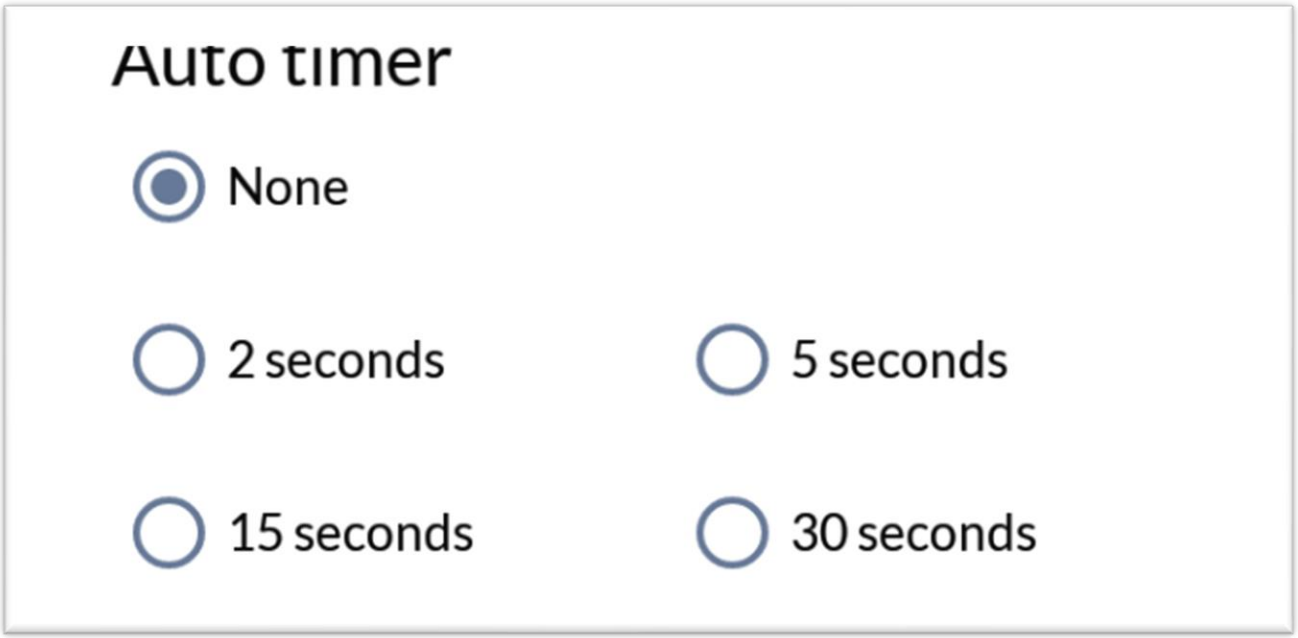
- Camera sounds will come:
  One BIP for start
  Two BIPs when panorama is done

Camera height adjustment

- There is default camera elevation over the deck set to 180 cm. In case panorama is captured on a different elevation: lower or higher, it is possible to adjust it and give unique camera height over the deck value.

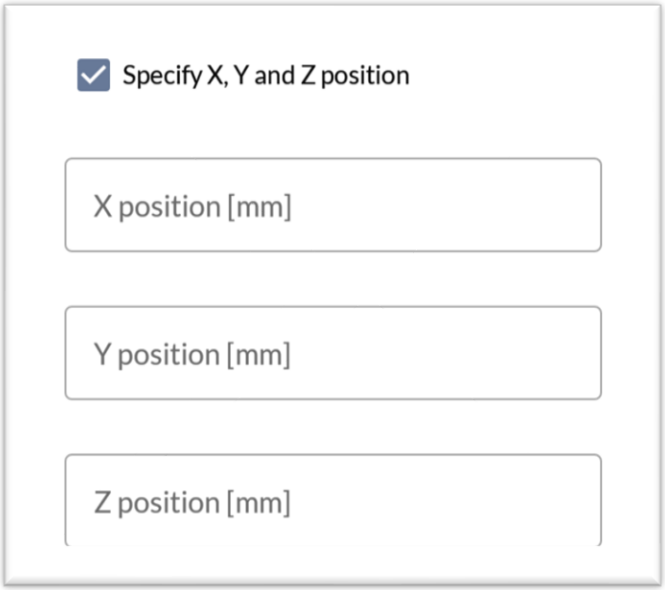
Timer delay

- By default, there is no delay in photo capturing. You can choose: 2, 5, 15 or 30 sec delays of the photo capture. It might be useful when you work alone and need to capture image keeping the tripod in your hands.



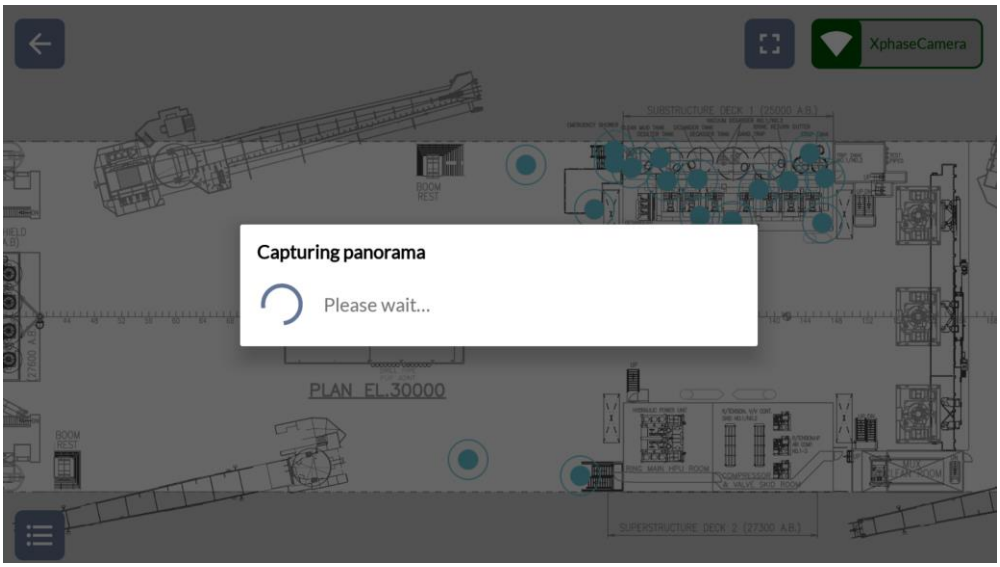
Provide exact camera position

- If you wish you can update the location of the camera and the final photo on the map with exact X, Y ,Z coordinates. Check the box next to the “Specify X, Y, Z position” and scroll down the view to input values in [mm]

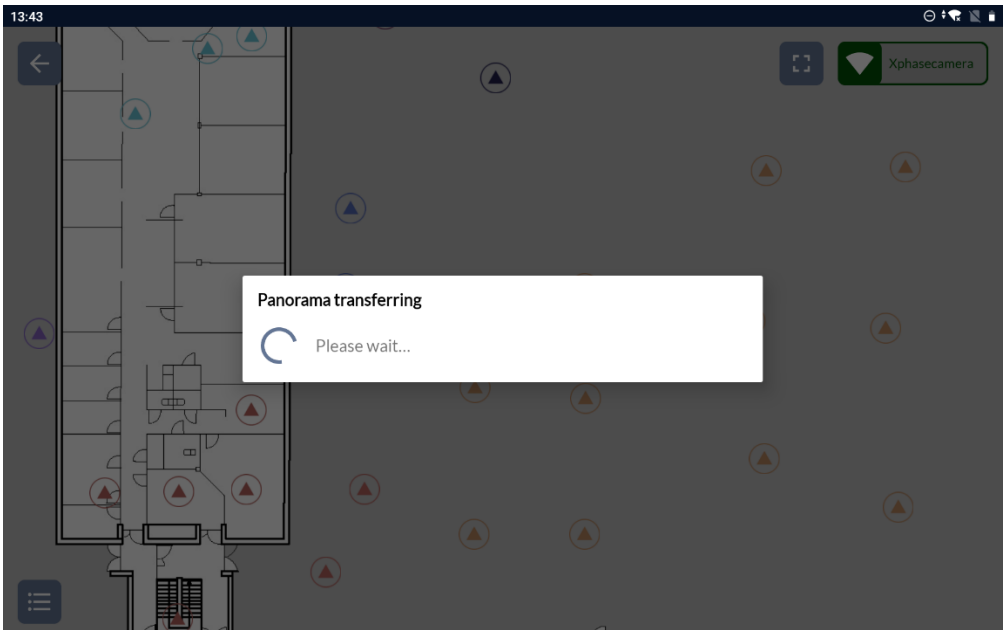


Making Photo

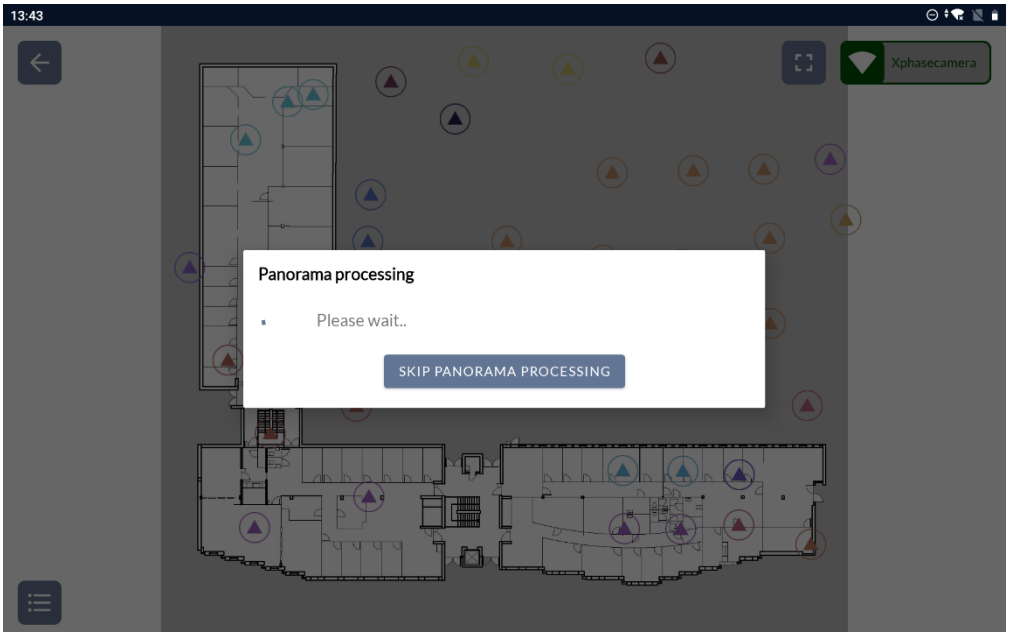
Step 1. Capturing panorama. You need wait few seconds.



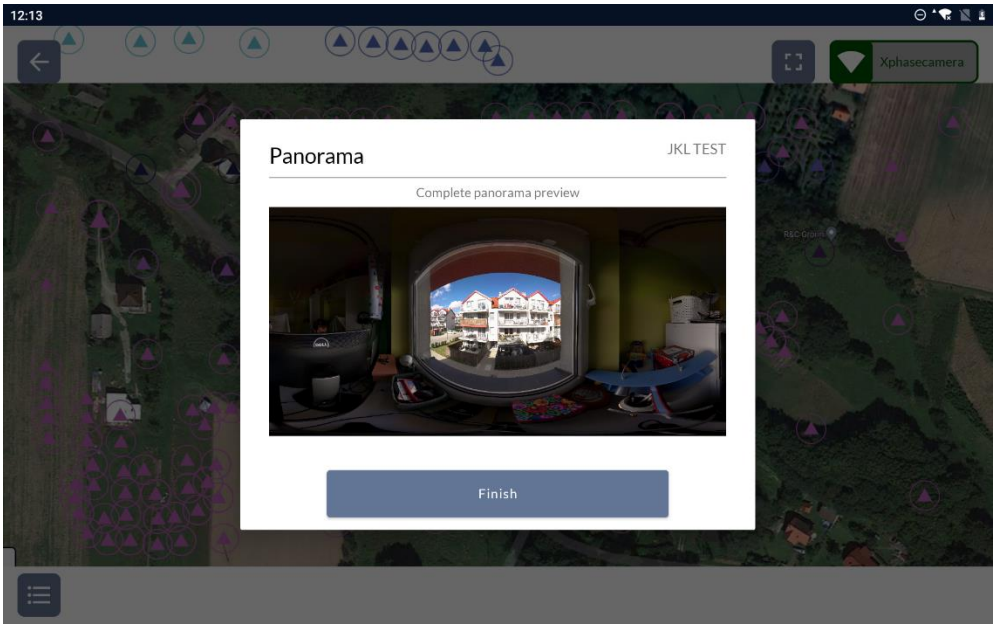
Step 2. When photo is ready you will hear sound “bip” twice. Status will change into “**Panorama transferring**”.



Step 3. When photo is transferred to tablet you will see status: "**Panorama processing**". Press SKIP PANORAMA PROCESSING if you do not want to see the final result on this step. Panorama will be available on the photo details.



Step 3. When panorama is ready you will see the preview of the main photo (total panorama or one of the 25 captured images).



Press

and you can continue with the next position.

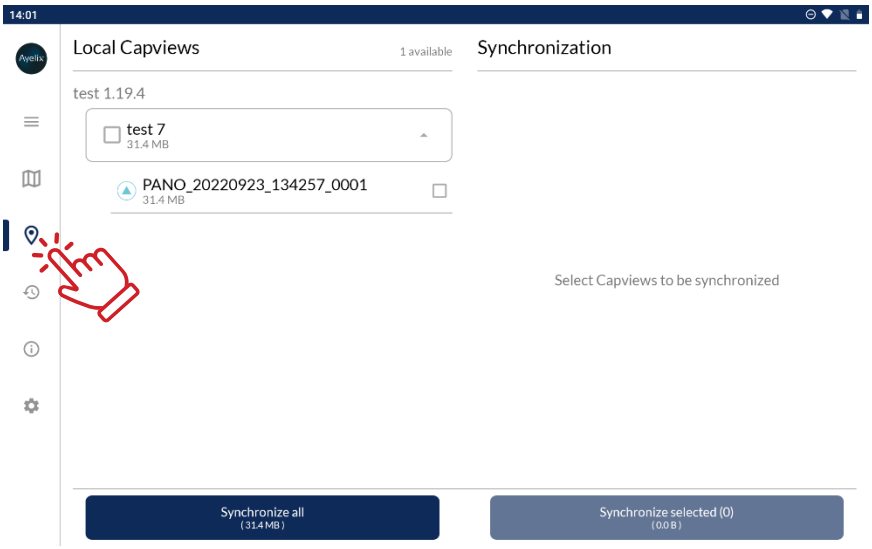
Important note: Capturing process contains two steps:

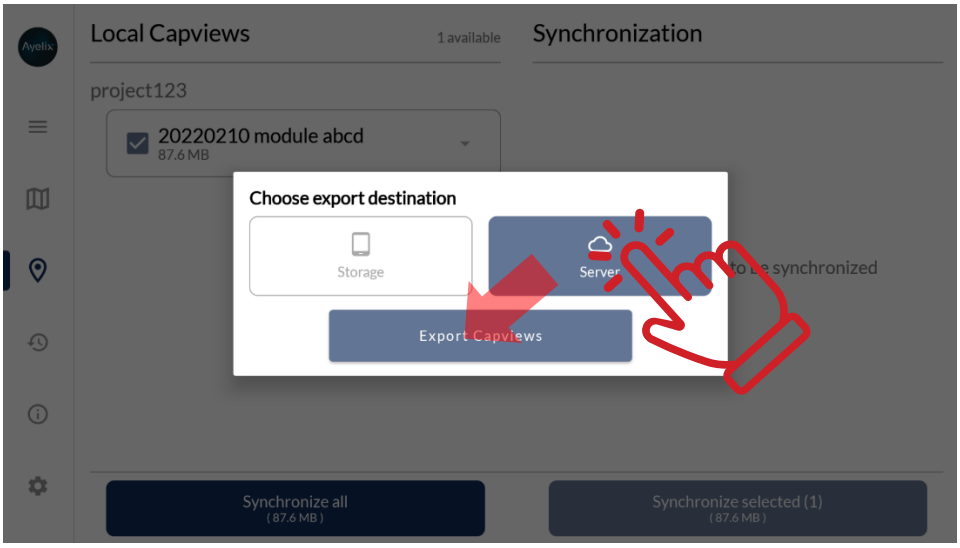
1) Camera capture -> single “bip” signal is for start and double “bip” signal is when photo is done (after that you can move camera to the next location)
2) Photo transfer from camera to tablet. Start just after two “bip” signals from camera and takes about 30 sec. When completed you will see image preview and can press “Finish” button

Synchronization to Ayelix

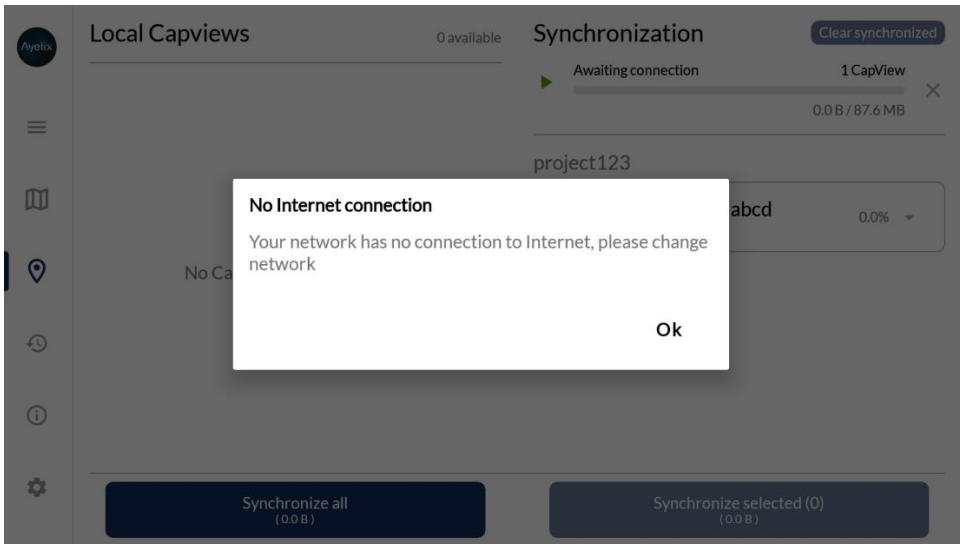
OPTION_1: synchronization directly to AYELIX PORTAL (default option)

- Connect tablet to Wi-Fi with INTERNET connection
- Go to the SYNC tab in the ImageOnMap application
- Synchronize all or select just needed sessions.

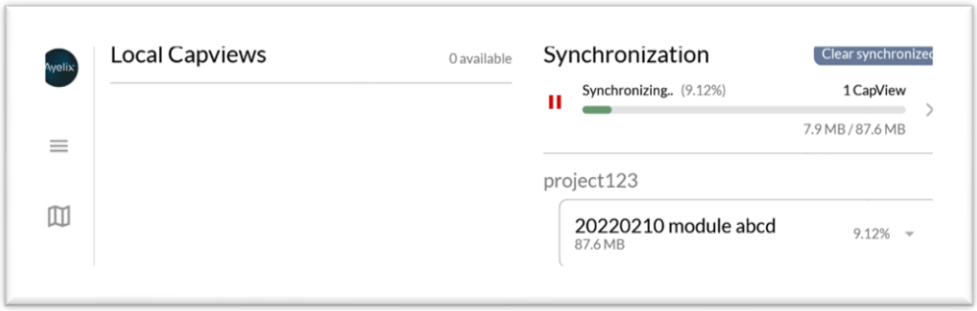


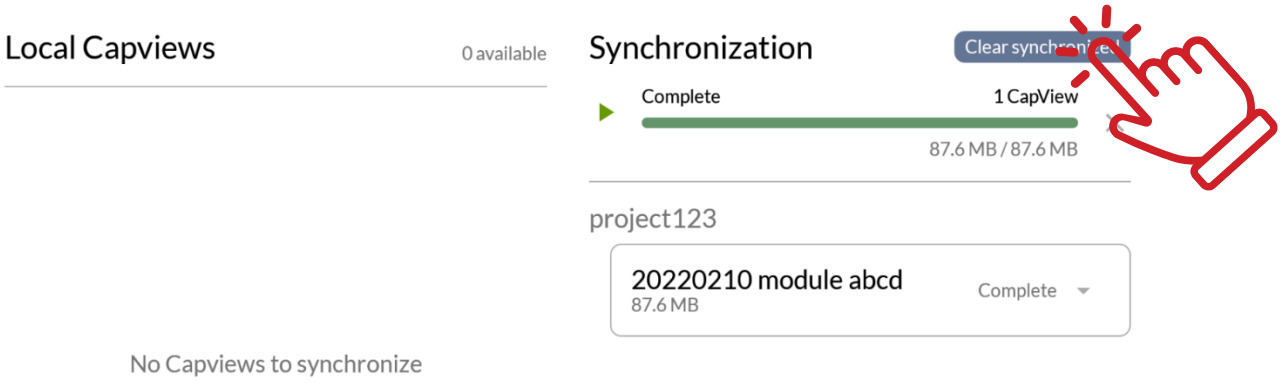


Important note: to synchronize to server you need to be connected with wifi with internet connection

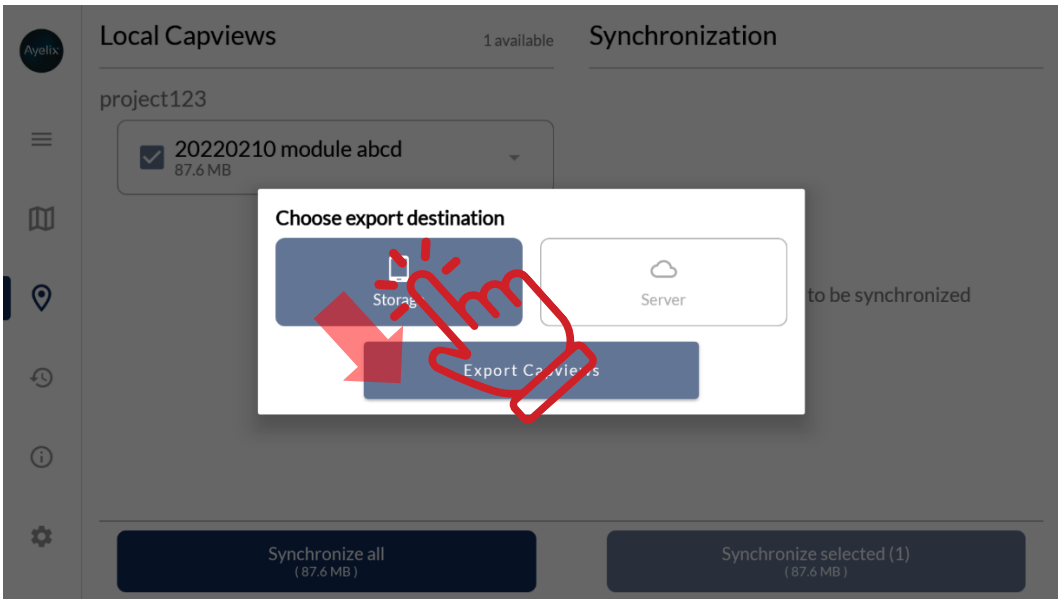


Once data are synchronized cannot be synchronized again and you can “clear synchronized” list





OPTION_2: backup to local drive / USB and later synchronization to AYELIX PORTAL from PC (to use that you need separate application: ImageOnMap uploader to be used only in special conditions with low internet on site. For more help please contact support@ayelix.com)

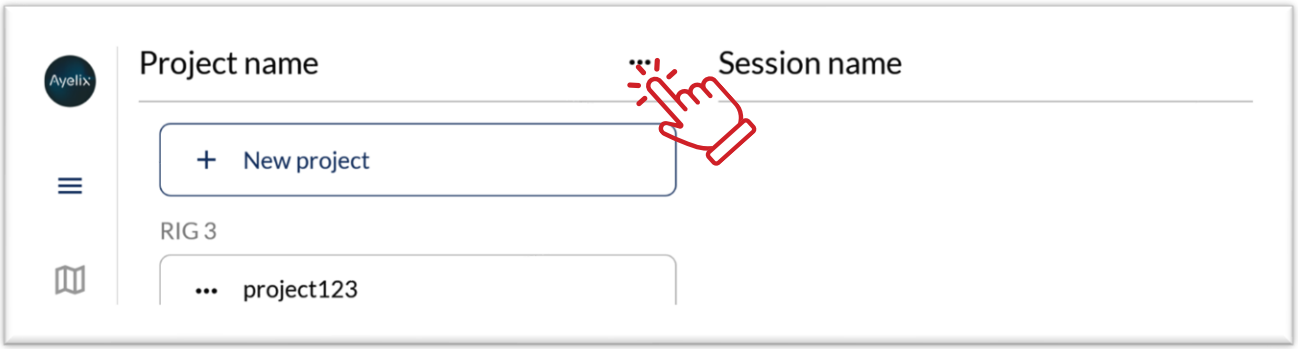

Local Capviews
1 available
Synchronization
project123
20220210 module abcd
87.6 MB
Choose export destination
Storage
Server
to be synchronized
Export Capviews
Synchronize all
(87.6 MB)
Synchronize selected (1)
(87.6 MB)

How to remove from camera and/or tablet ?

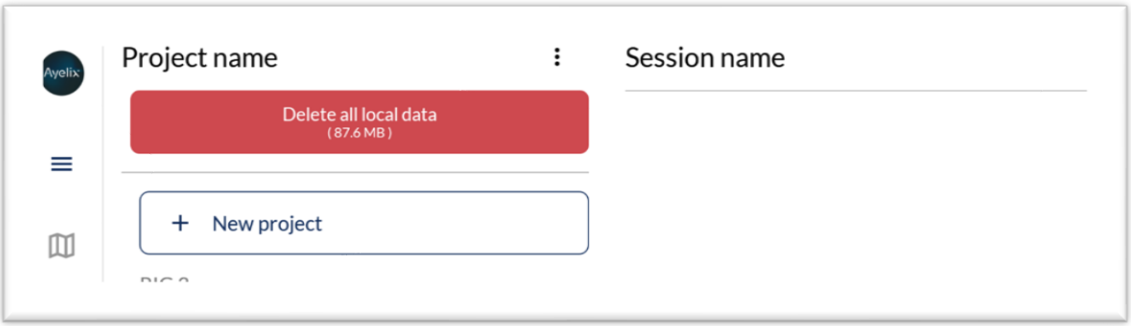
After successful data synchronization with the server local session and / or projects can be removed from camera and tablet.

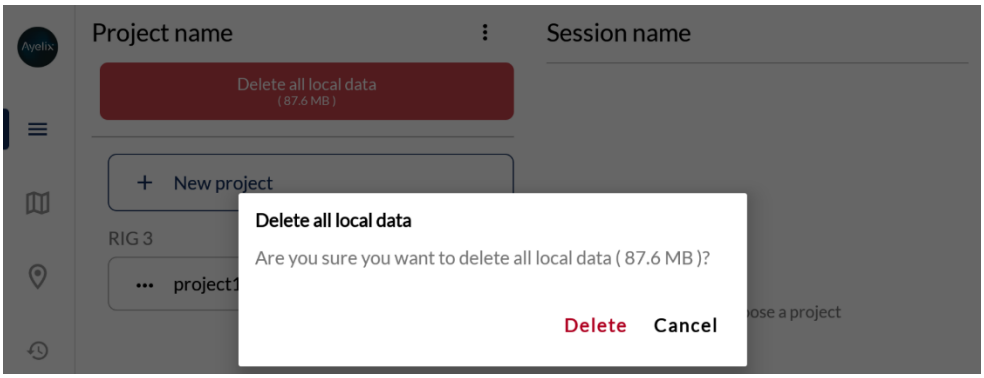
- **Removal from the tablet** (there are several options of remove data (all data, single project, single session or single position only):

  - **All data**
    Press three horizontal dots at the top of the screen



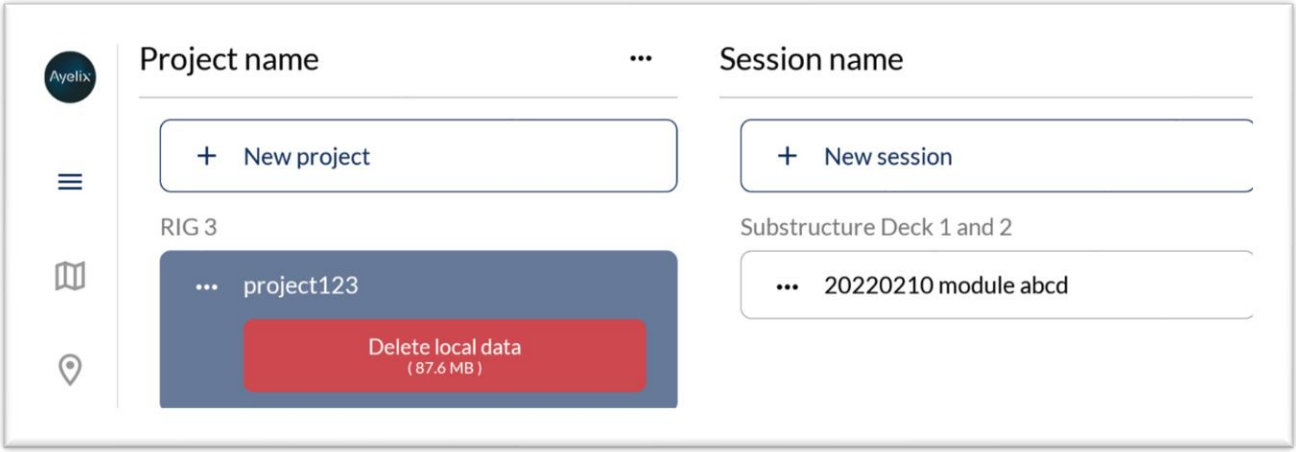
You will get following screen when you can remove all data from tablet



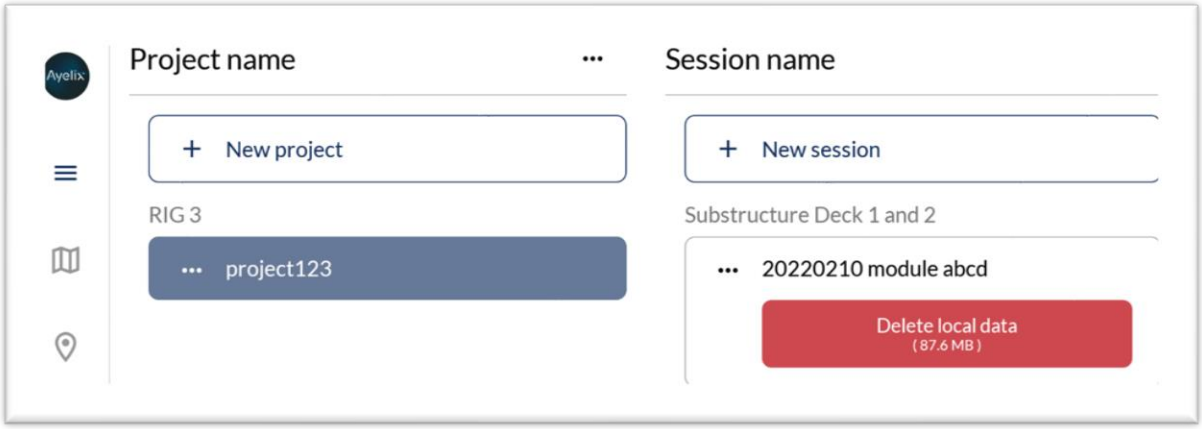


- **Project**

  By pressing three dots n from of the project name you will get similar button but to remove just the one selected project

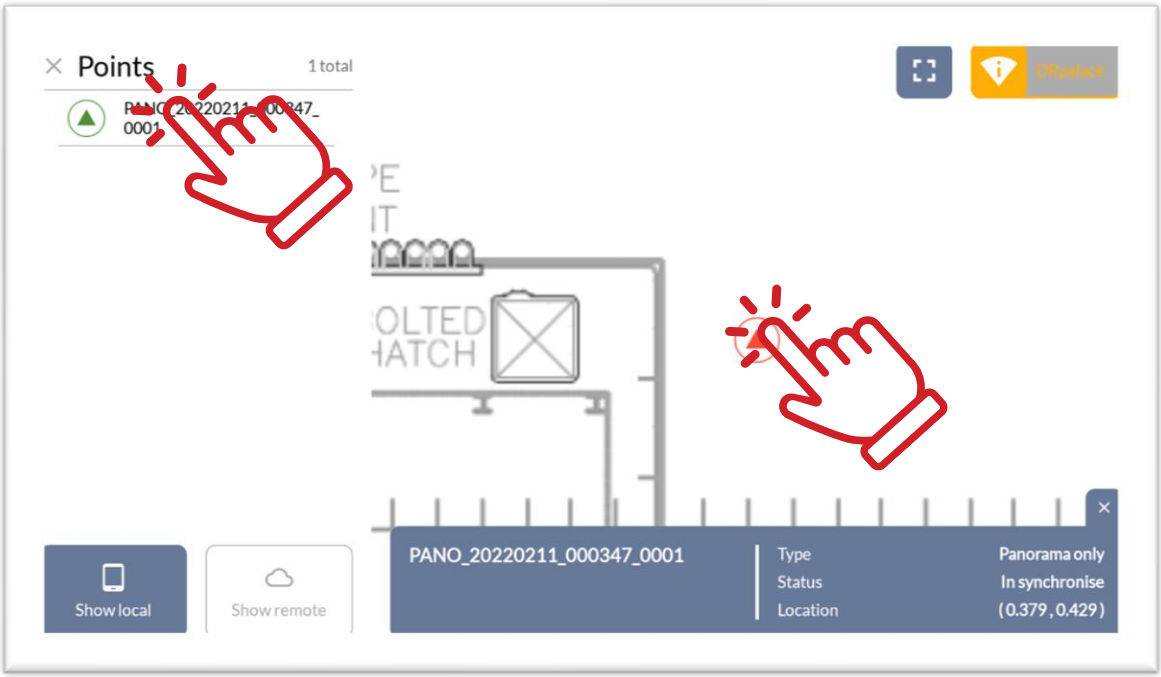


- **Sessions**
  In a similar way if you wish to delete just the single session, press three dots next to it and press “Delete….”

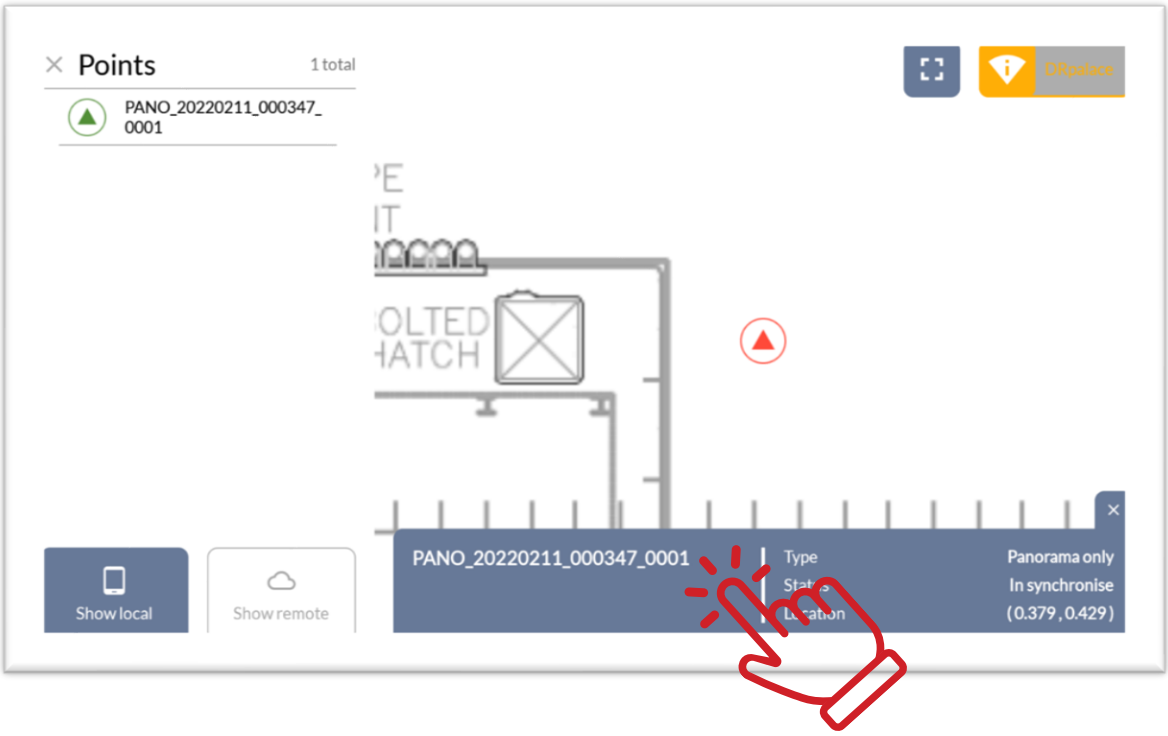

Project name
Session name
+ New project
+ New session
RIG 3
Substructure Deck 1 and 2
project123
20220210 module abcd
Delete local data
(87.6 MB)

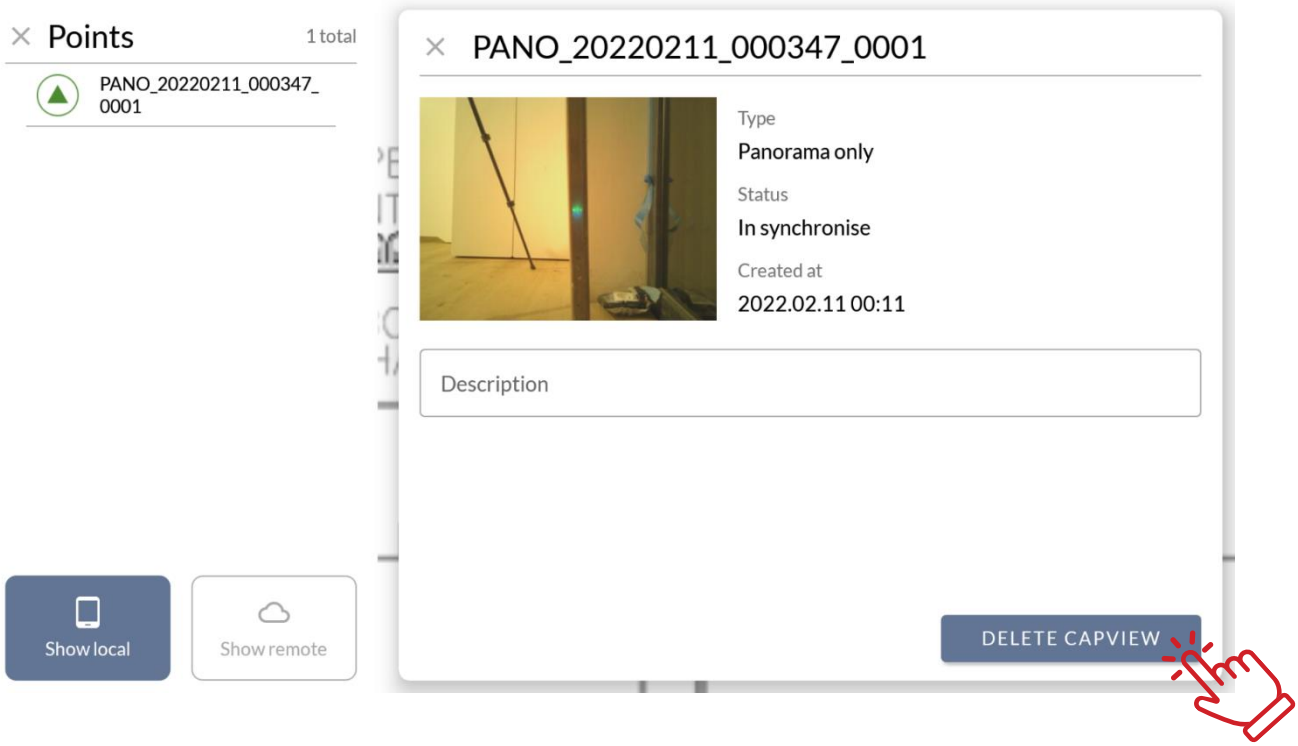
- **Single panorama**

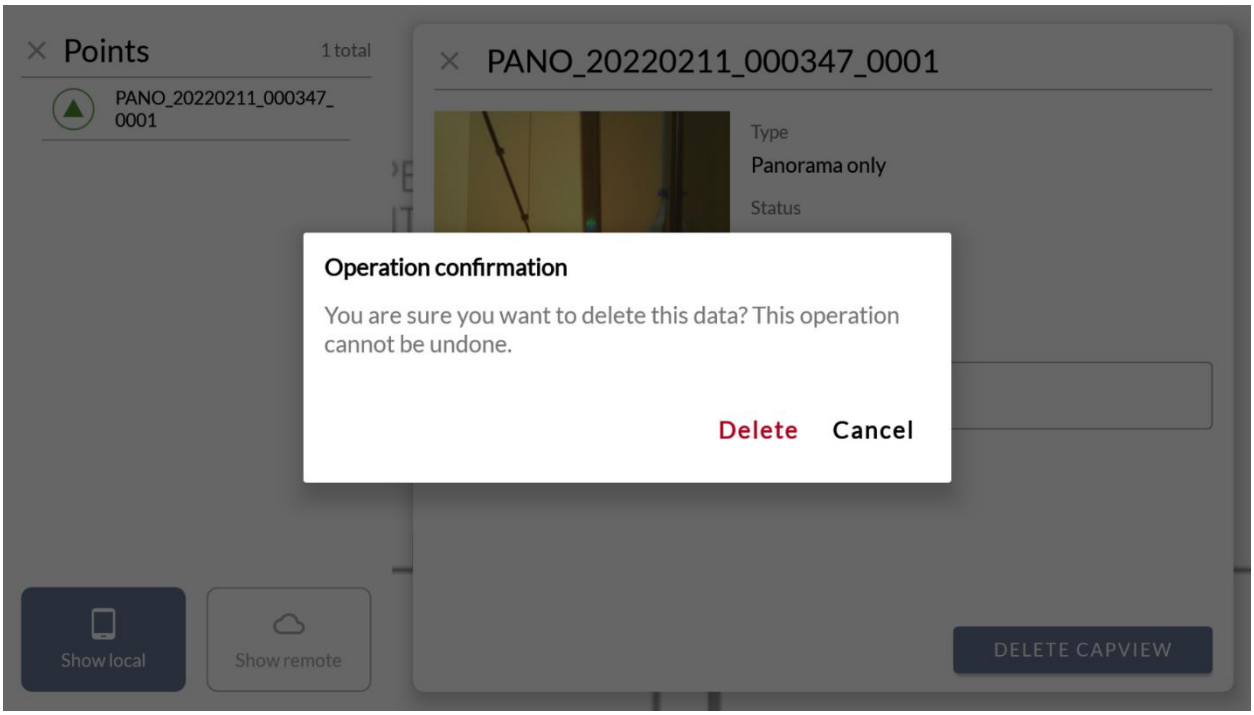
1) Open session plot plan
2) Select camera position on the plot plan or on the list in the left menu



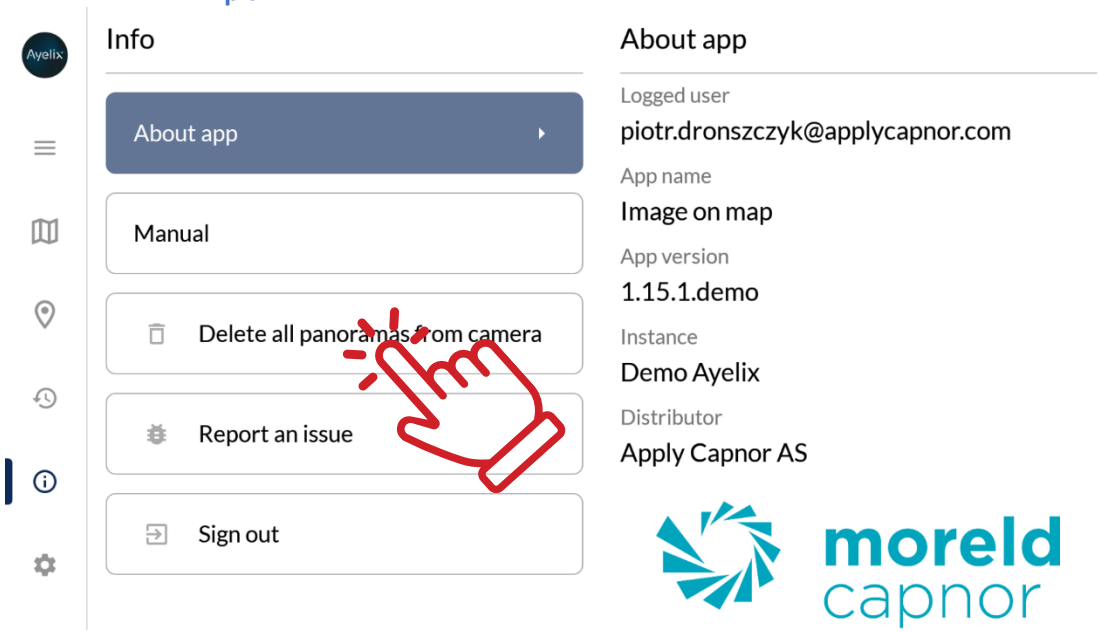
Press the position details at the bottom of the screen

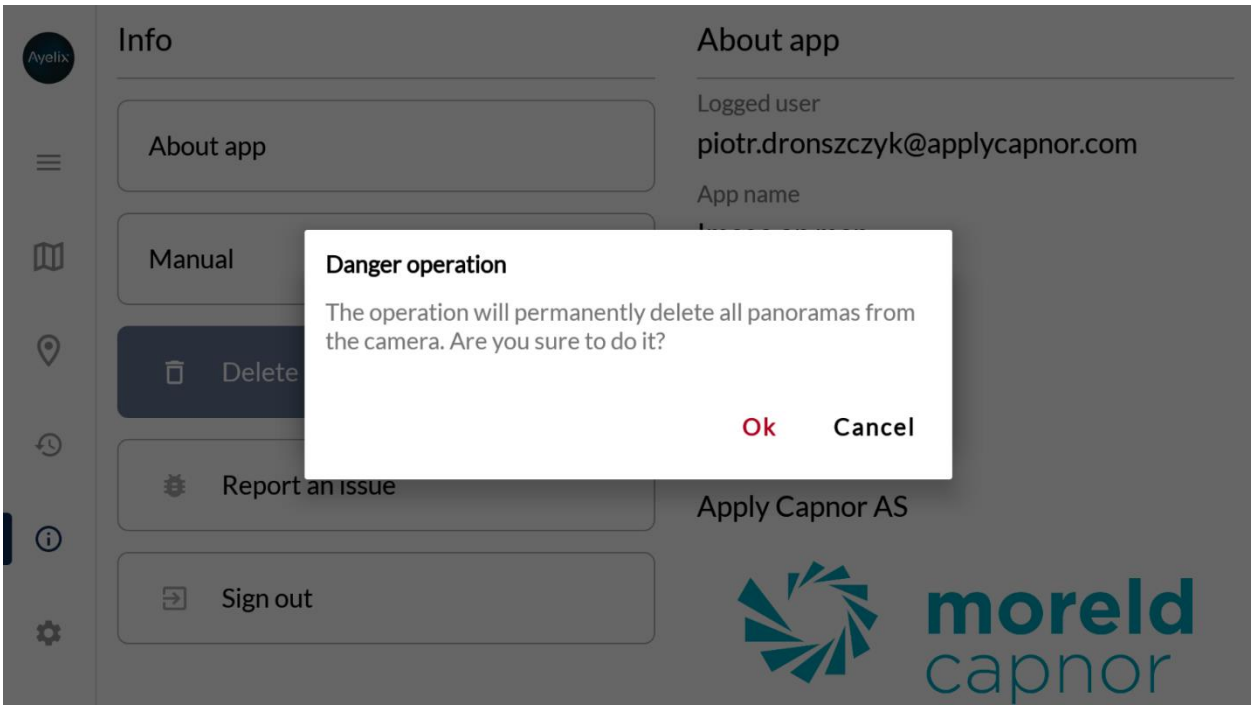


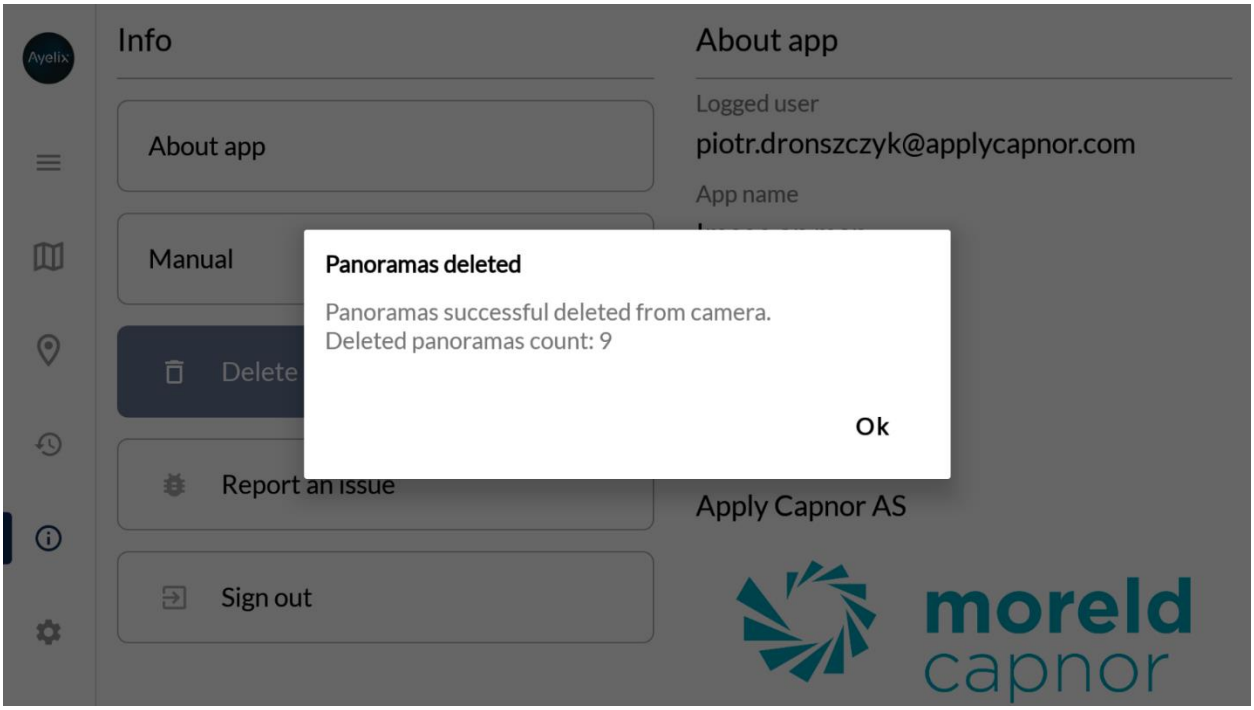

Points
1 total
PANO_20220211_000347_0001
PANO_20220211_000347_0001
Type
Panorama only
Status
In synchronise
Created at
2022.02.11 00:11
Description
Show local
Show remote
DELETE CAPVIEW


Points
1 total
PANO_20220211_000347_0001
PANO_20220211_000347_0001
Type
Panorama only
Status
Operation confirmation
You are sure you want to delete this data? This operation cannot be undone.
Delete
Cancel
Show local
Show remote
DELETE CAPVIEW

- **Removal panoramas from the camera:**
    - Connect tablet with the camera
    - Open ImageOnMap application
    - Go to information tab in the menu
    - Press “Delete all panoramas form the camera”. It is not possible to choose single photos.
      Important note: all photos after capturing are being synchronized with tablet. On the camera there is just a backup but without their locations on the plot plan

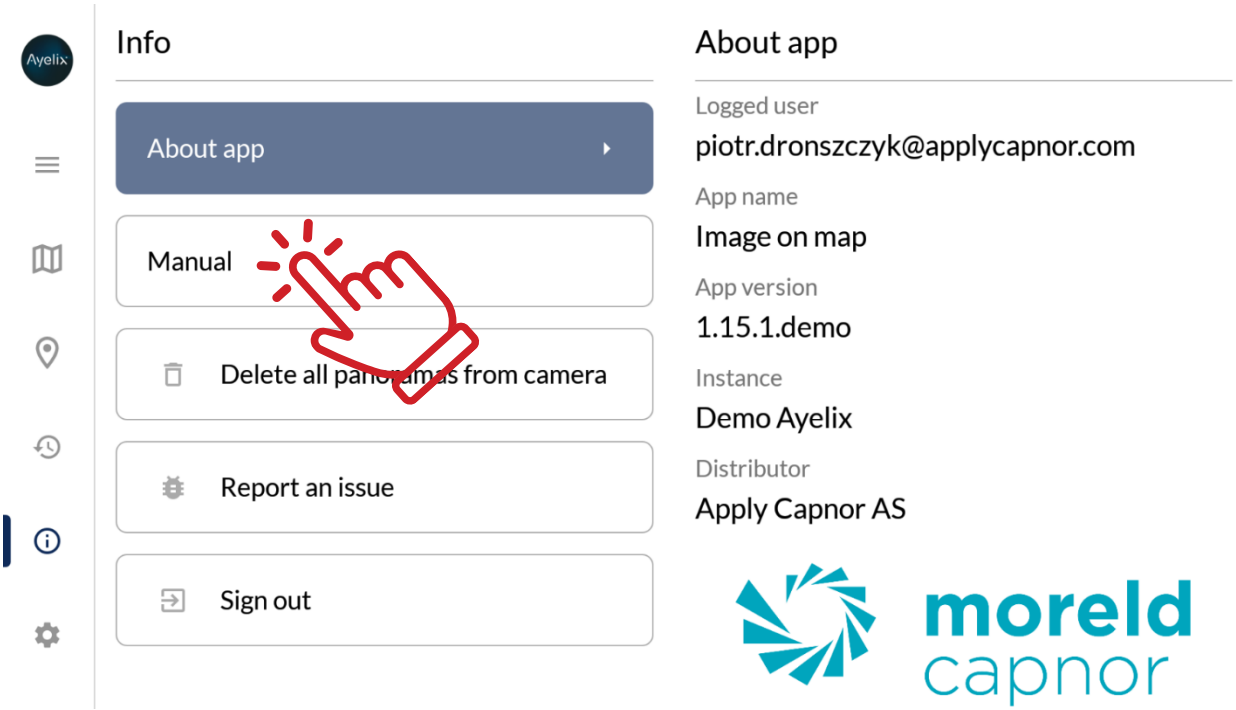


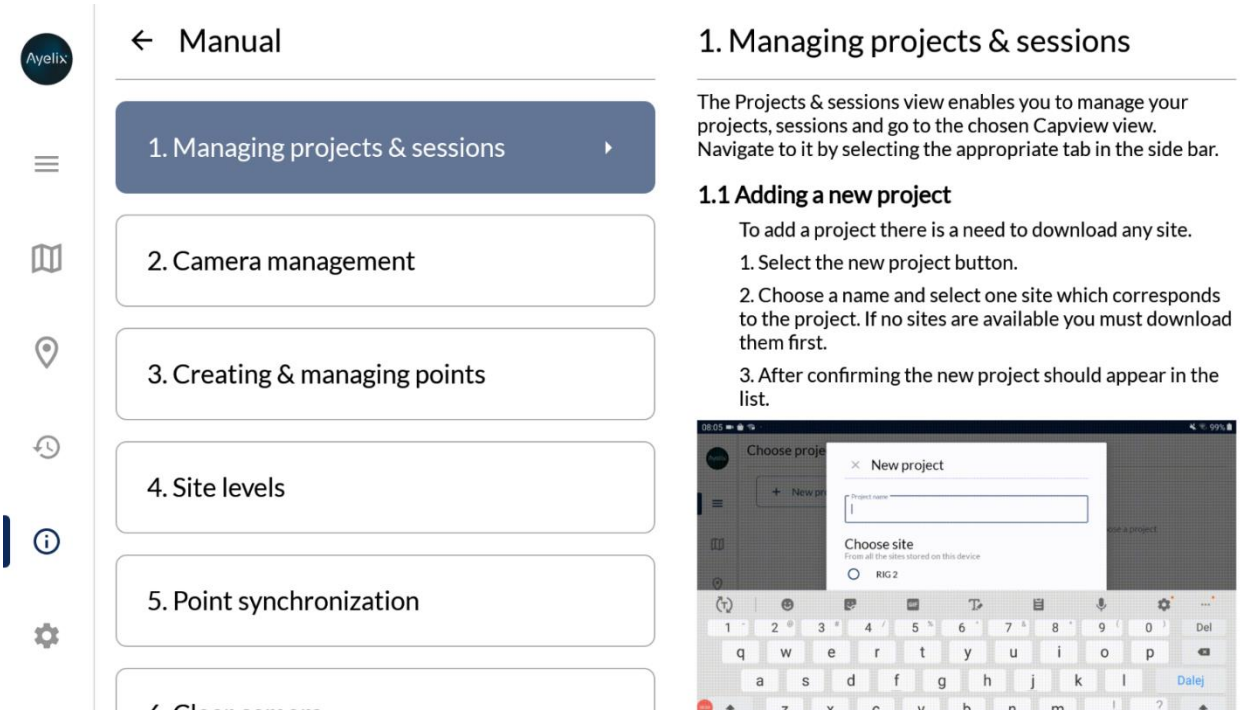

Info
About app
Manual
Delete
Report an issue
Sign out
About app
Logged user
piotr.dronszczyk@applycapnor.com
App name
Danger operation
The operation will permanently delete all panoramas from the camera. Are you sure to do it?
Ok
Cancel
Apply Capnor AS
moreld
capnor


Info
About app
Manual
Delete
Report an issue
Sign out
About app
Logged user
piotr.dronszczyk@applycapnor.com
App name
Panoramas deleted
Panoramas successful deleted from camera.
Deleted panoramas count: 9
Ok
Apply Capnor AS
moreld
capnor

Built in manual

- Under the information tab you can find information about application version, manual or you can contact support





Additional settings

- It is possible to change units for the camera height position, possible options between centimeters and inches