



# 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:

Inge Byrkjeland	<a href="mailto:Inge.Byrkjeland@applycapnor.com">Inge.Byrkjeland@applycapnor.com</a>	+47 975 51 563
Piotr Dronszczyk	<a href="mailto:Piotr.Dronszczyk@applycapnor.com">Piotr.Dronszczyk@applycapnor.com</a>	+48 728 414 028
Ayelix Support	<a href="mailto:support@ayelix.com">support@ayelix.com</a>	



# Panorama KIT

## General



## Interior



## Details



Power button



Power cable

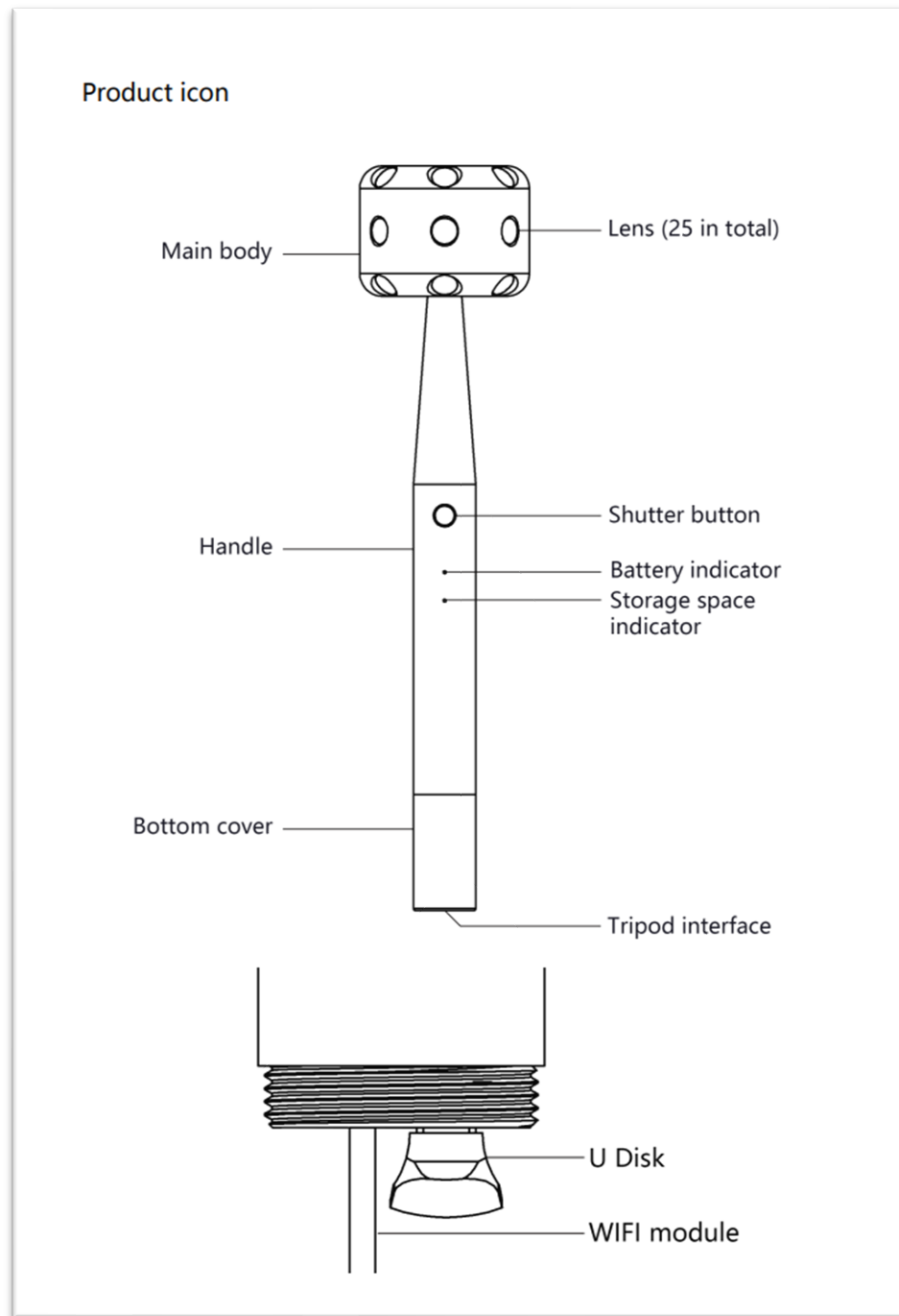


North orientation



On tripod

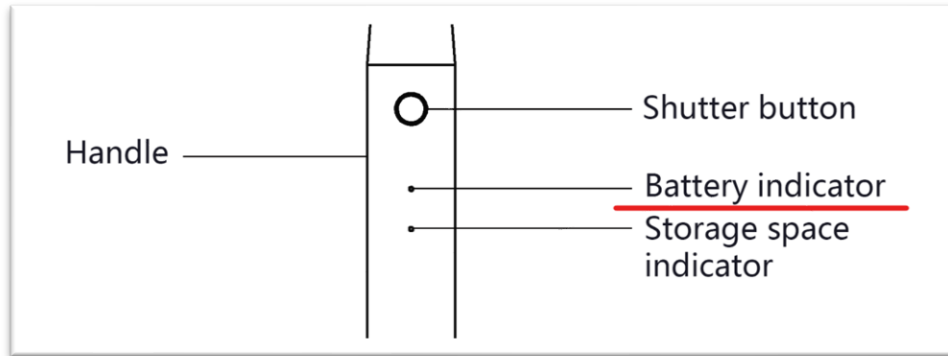
## Camera basics





## Battery and Memory Storage Space

### Battery Indicator



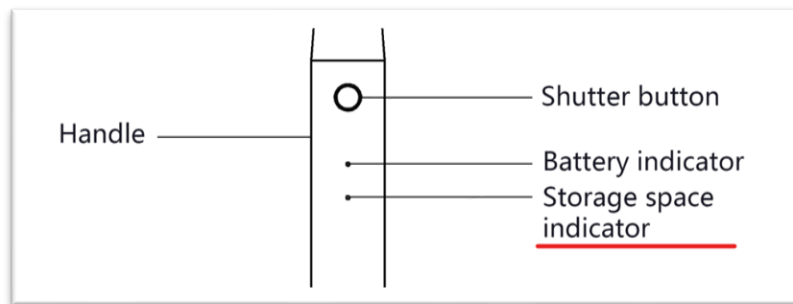
Charging Battery - the battery indicator will flash when charging.

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



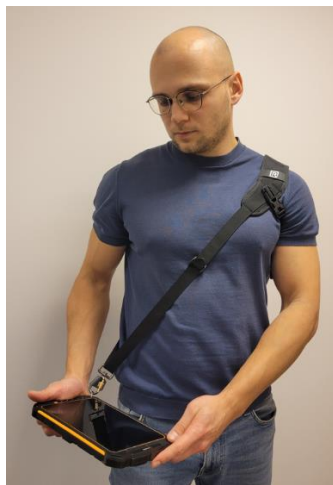
Color meaning of the storage space (memory):

- **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>



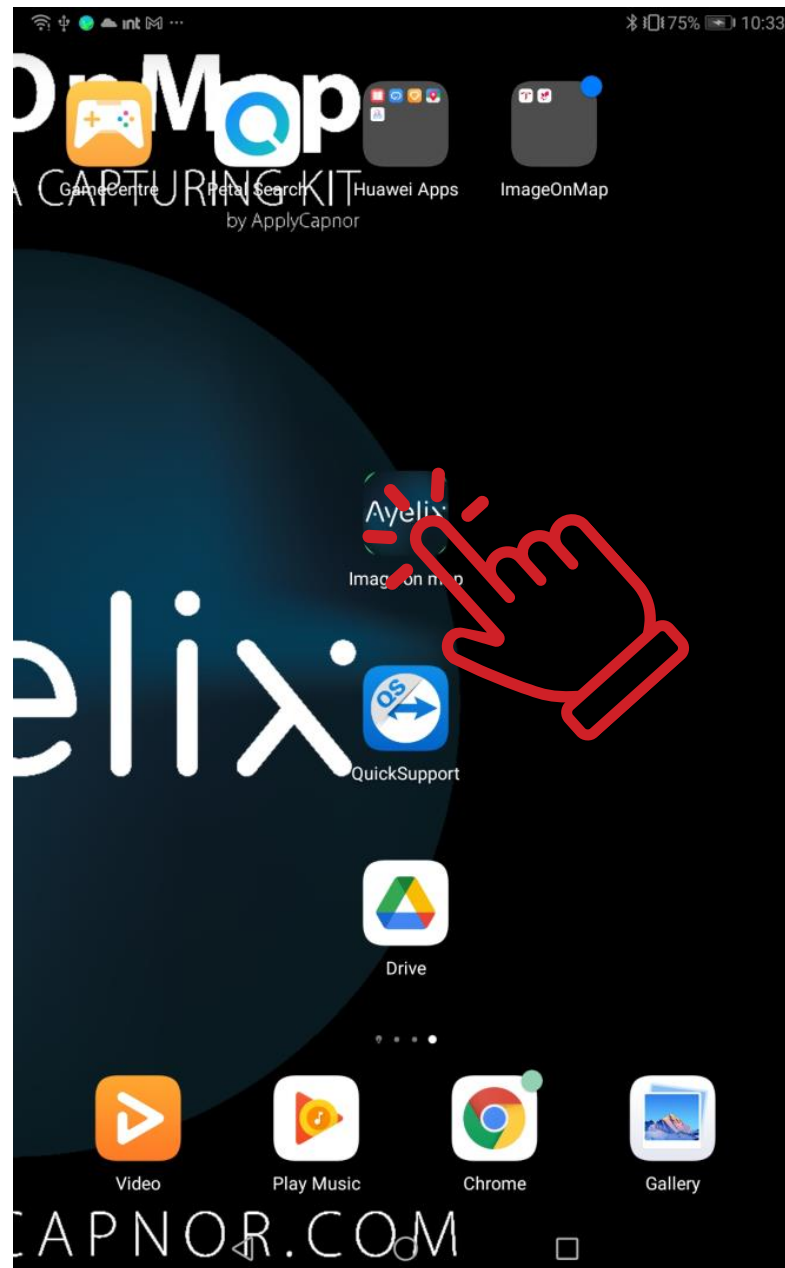




## Spherical photos capturing workflow

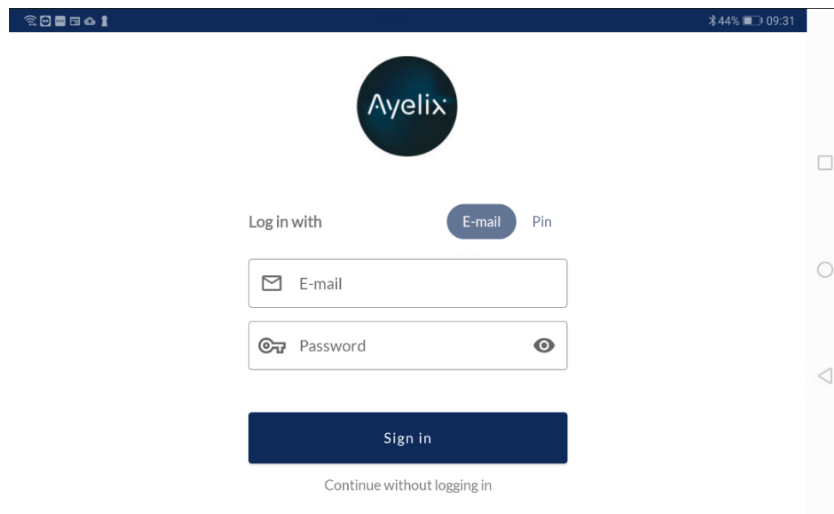


On the tablet: Open ImageOnMap application (application logo may be changed according to particular portal while the name will remain the same)

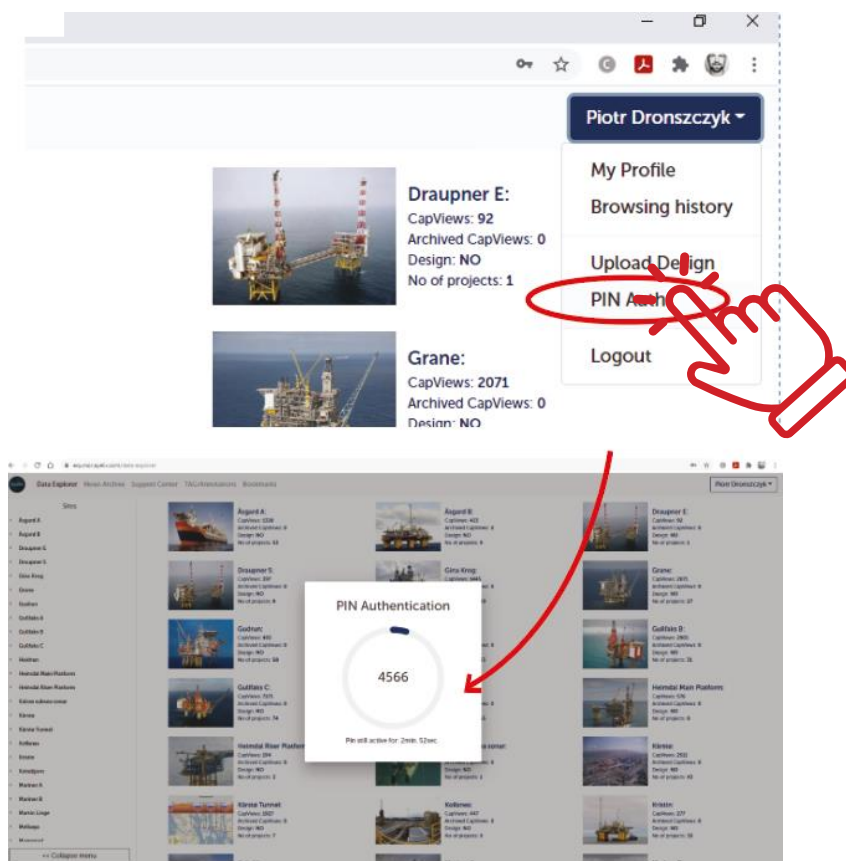




- Log-in with Ayelix account or with use of PIN authentication.  
(PIN can be generated on AYELIX)



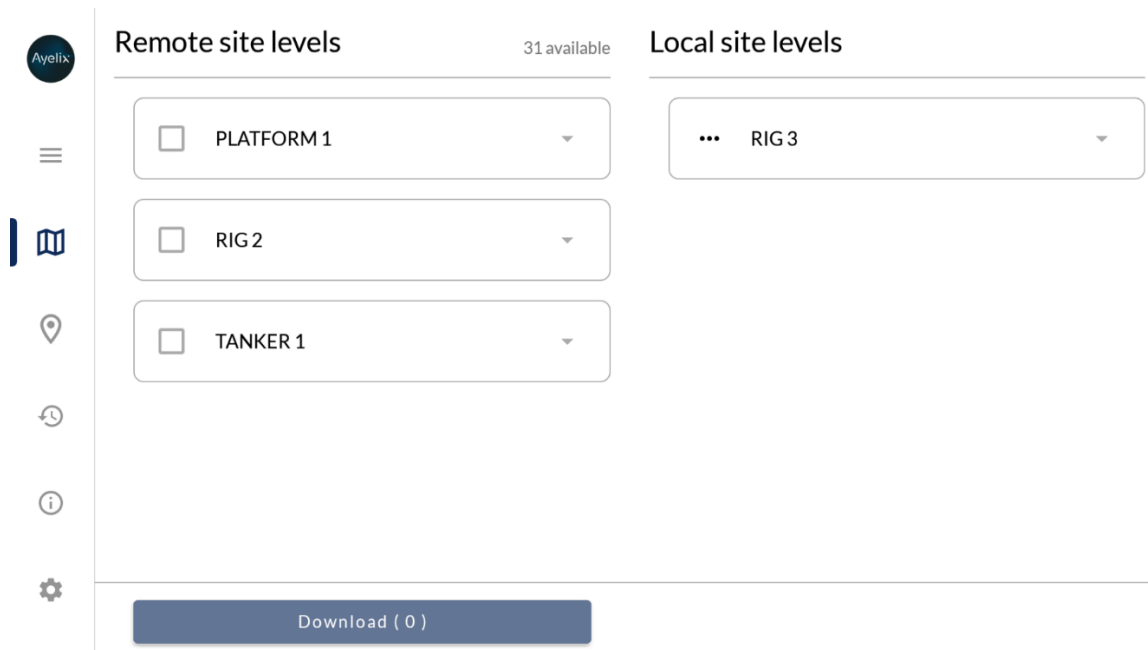
Where to find PIN? You need to Log-in to Ayelix web portal and go your account details (right top corner). Open menu and press “PIN Auth”



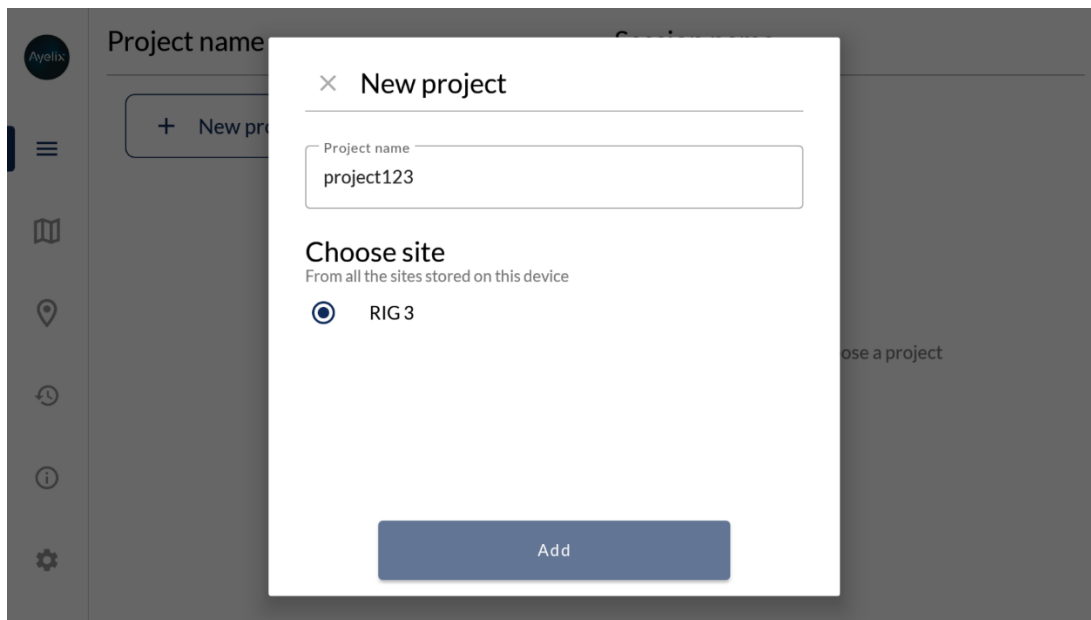


## Photo capturing in ImageOnMap

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

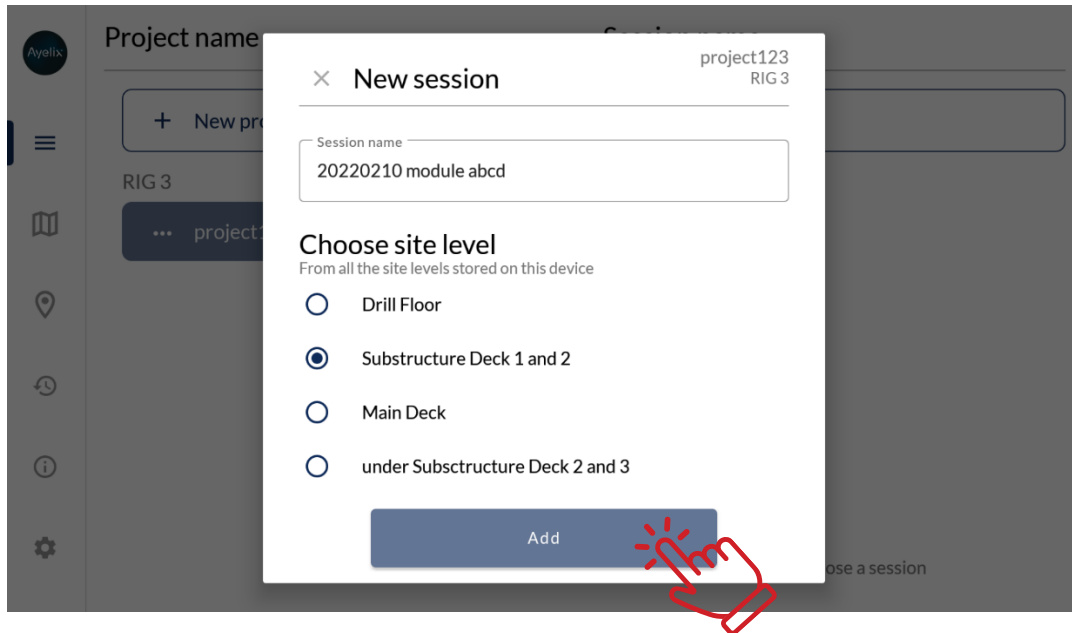




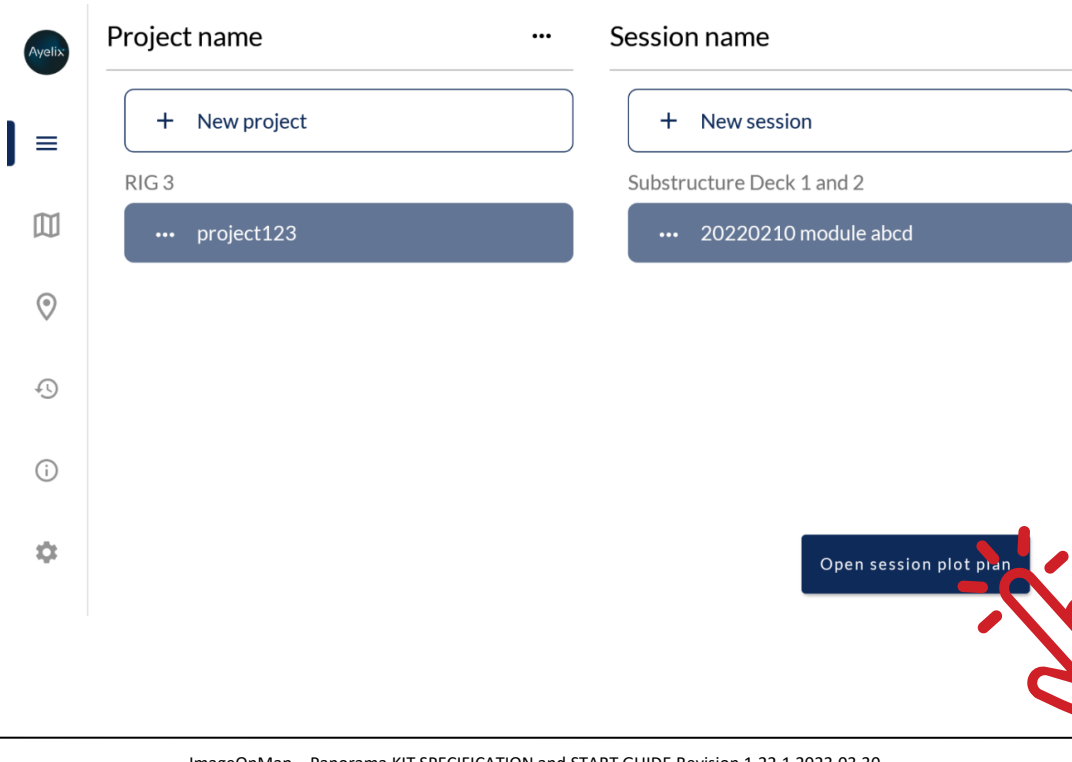
3. Add a session name

(we suggest using DATE + SHORT DESCRIPTION)

You need to choose facility and on what level this photo session will take place

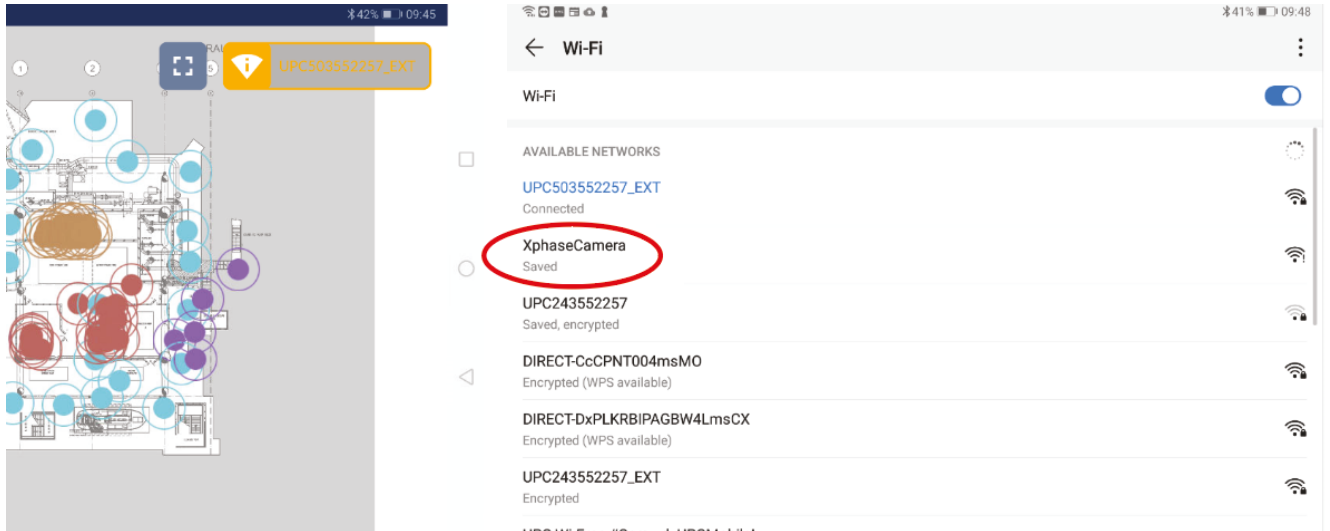


4. Select created session and click “Open session plot plan”

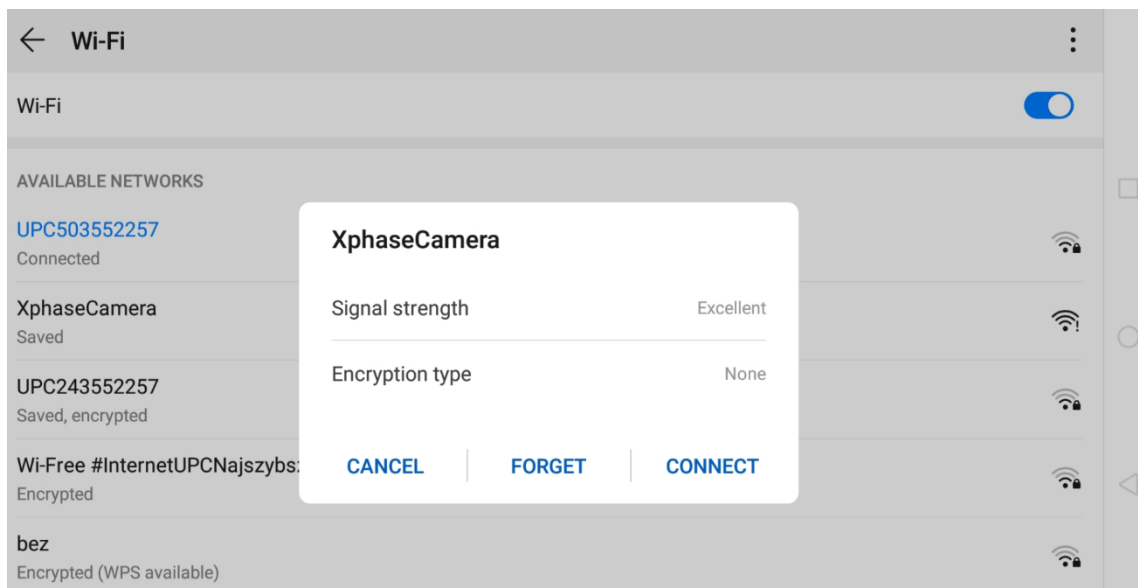


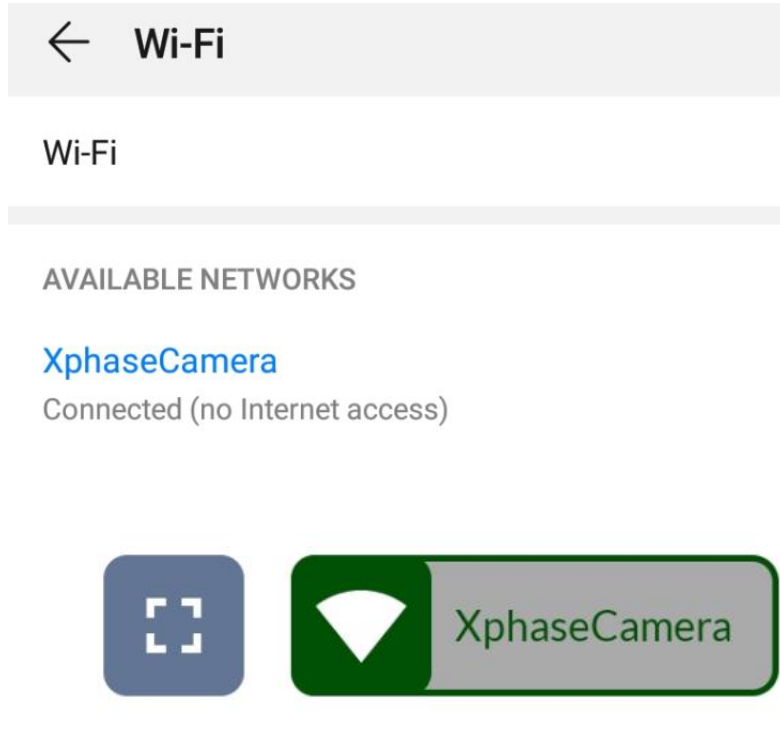
## 5. Connection to wi-fi

- 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**



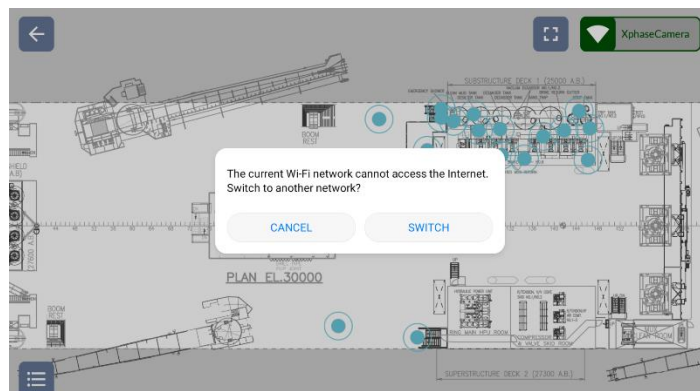


**Important note:** while connected to the camera Wi-Fi you do not have access to the internet and general operations like:

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

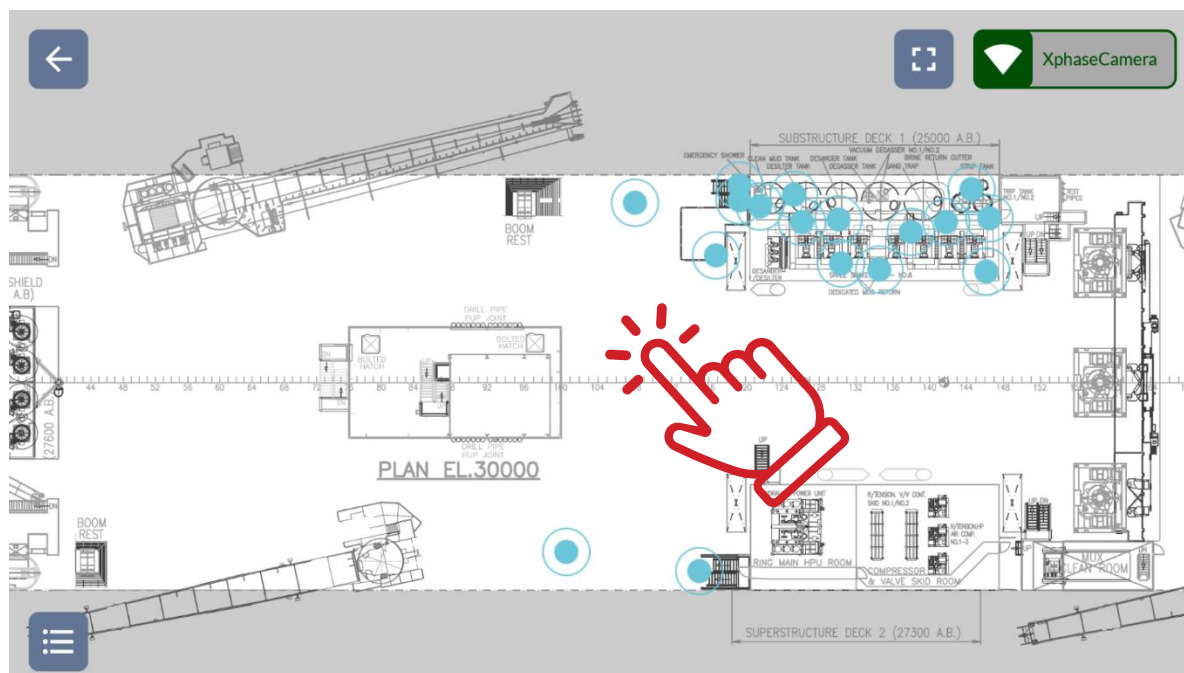
are not possible. To connect to the internet choose other Wi-Fi network

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



## Panorama capturing on ImageOnMp

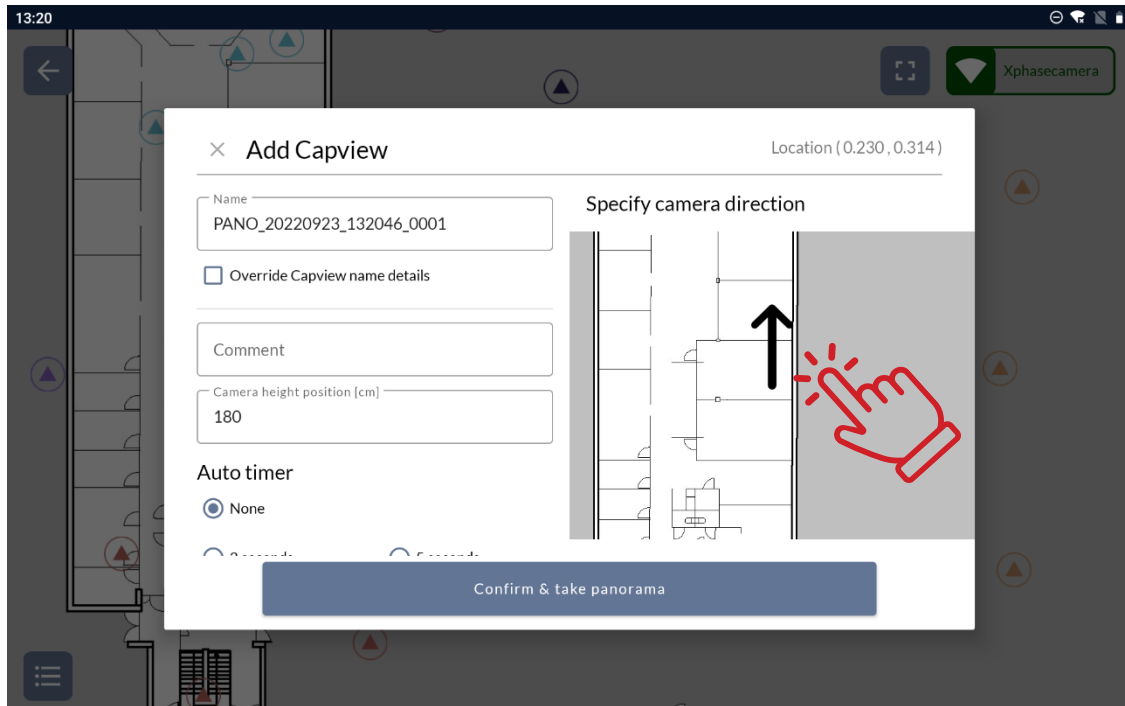
- To capture a panorama, localize position of your camera on the plot plan and pinpoint that location (press on the screen).



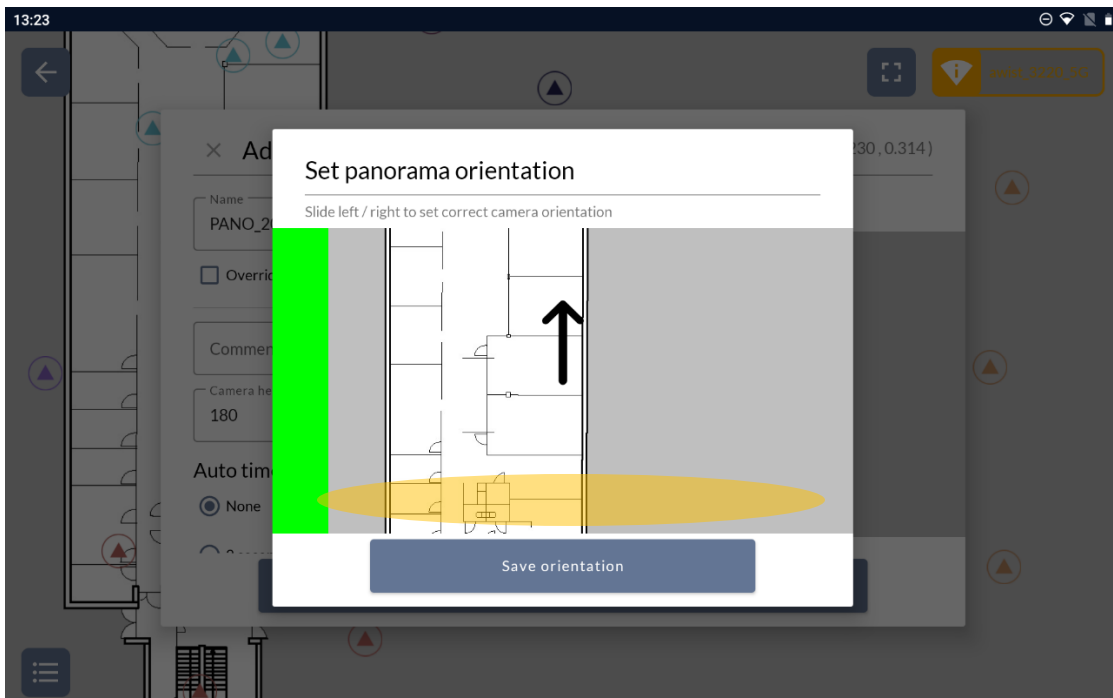
- For additional camera orientation check: led lights and power button on camera stick is facing south while the north sign arrow on top should point opposite -> towards north (port side).



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

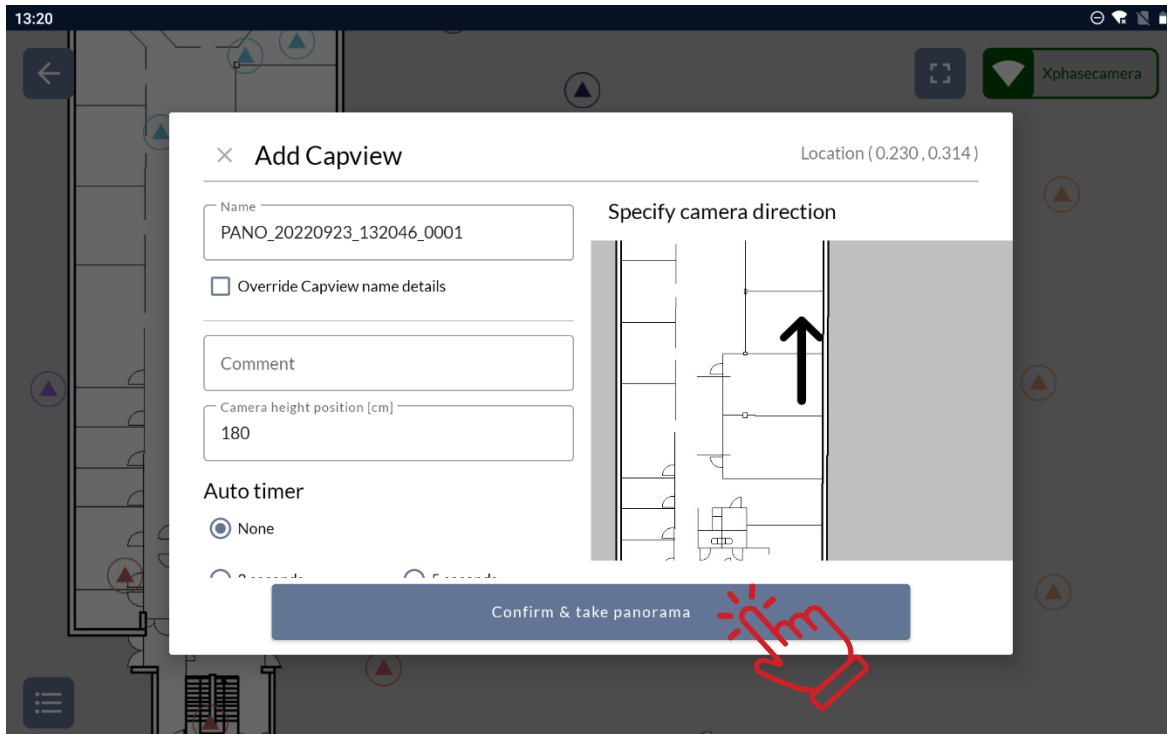


- Slide left/right to set correct camera orientation and click on **Save orientation**.





- 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.

### Auto timer

☒ None

☐ 2 seconds      ☐ 5 seconds

☐ 15 seconds      ☐ 30 seconds

## 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]

☒ Specify X, Y and Z position

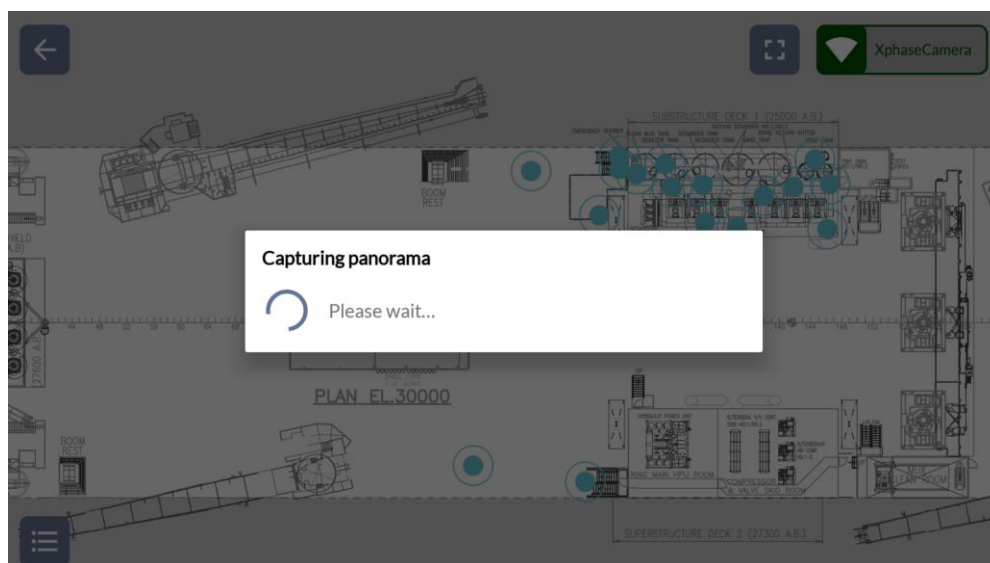
X position [mm]

Y position [mm]

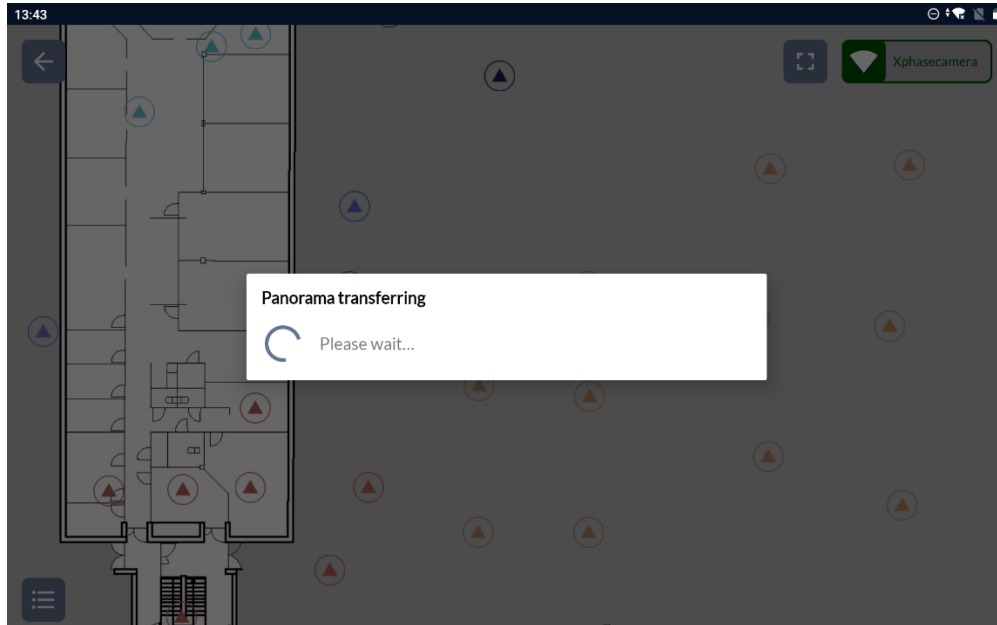
Z position [mm]

## 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**”.

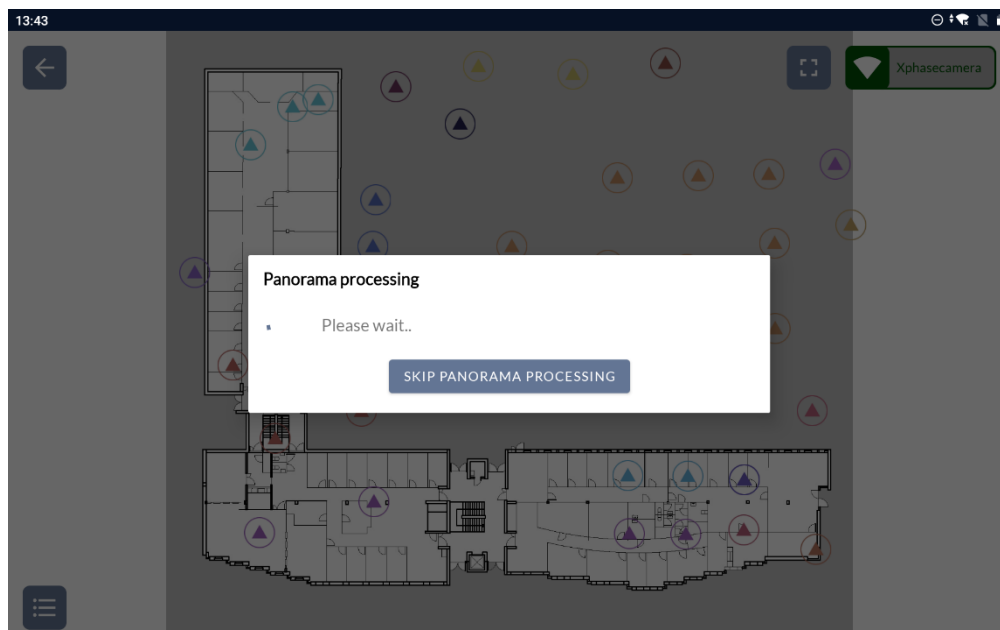


**Step 3.** When photo is transferred to tablet you will see status: **“Panorama processing”**. Press

**SKIP PANORAMA PROCESSING**

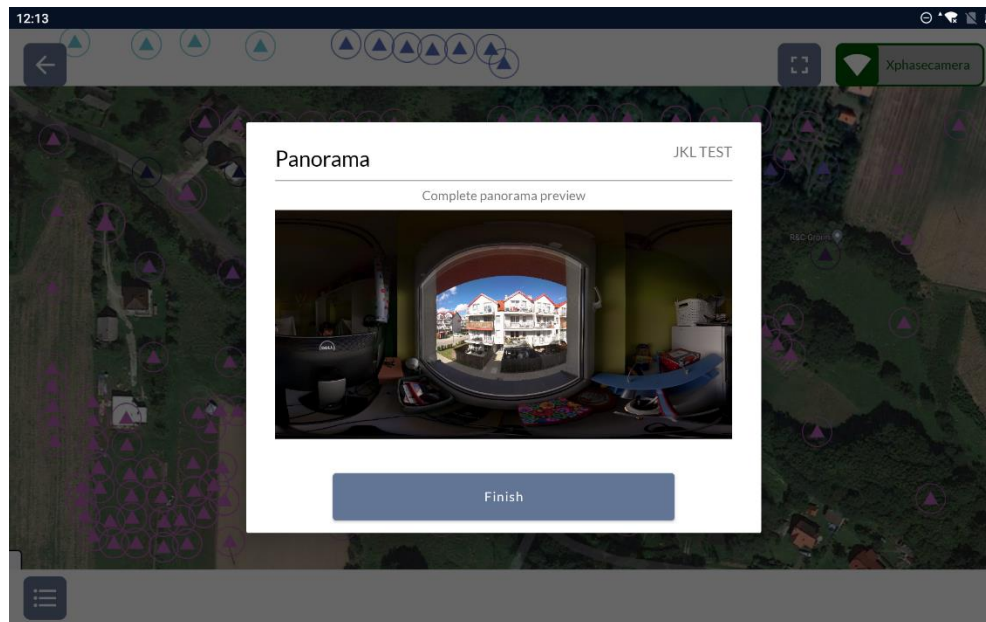
if you do not want to see the final result on this step.

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

Finish

and you can continue with the next position.

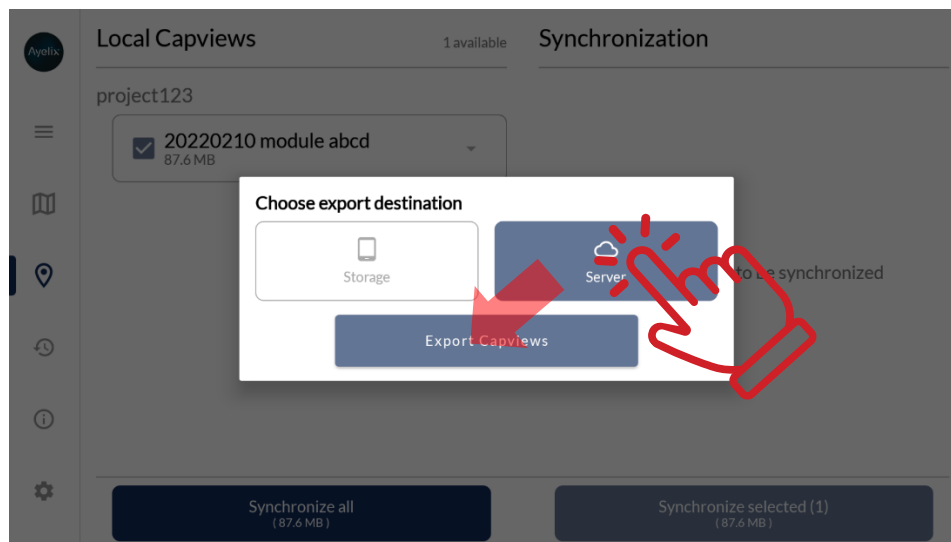
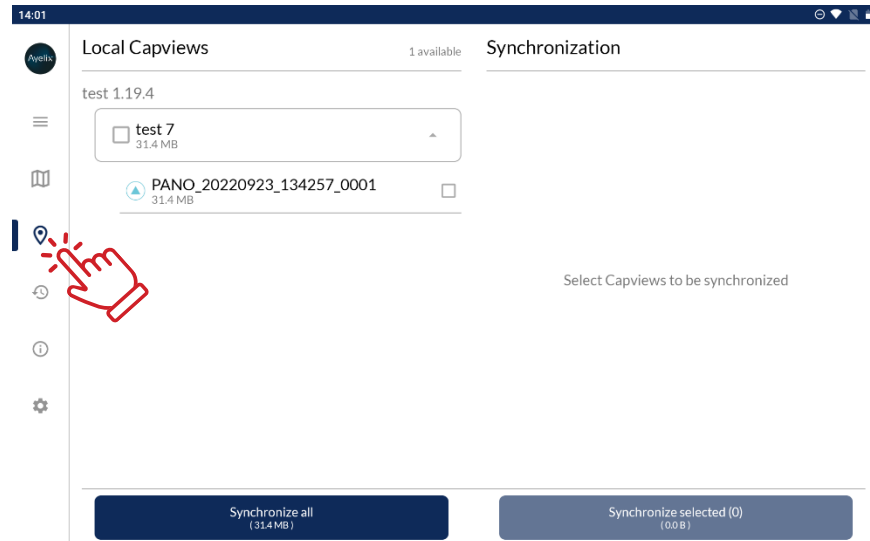
Important note: Capturing process contains two steps:

- 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

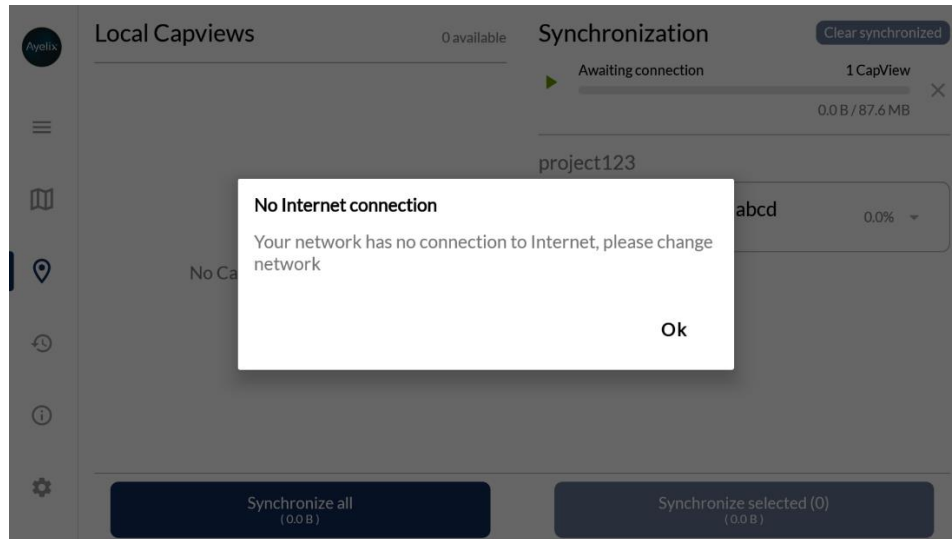
## Synchronization to Ayelix

**OPTION\_1:** synchronization directly to AYELIX PORTAL (default option)

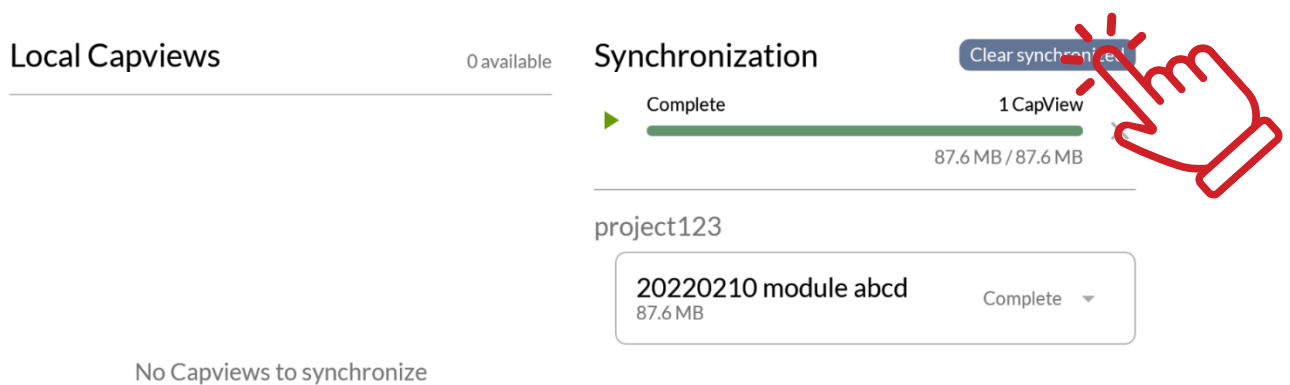
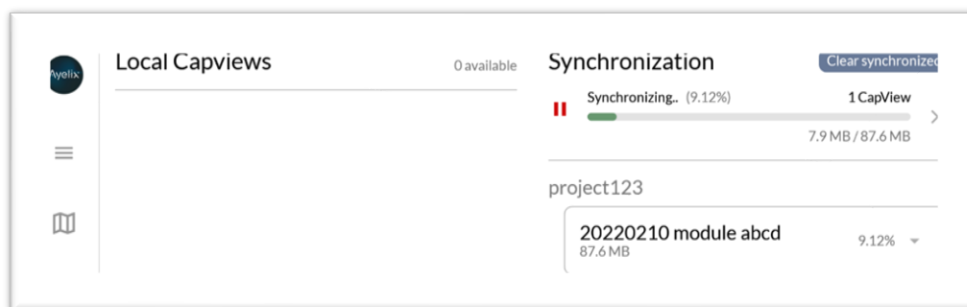
- Connect tablet to Wi-Fi with INTERNET connection
- Go to the SYNC tab in the ImageOnMap application
- Synchronize all or select just needed sessions.



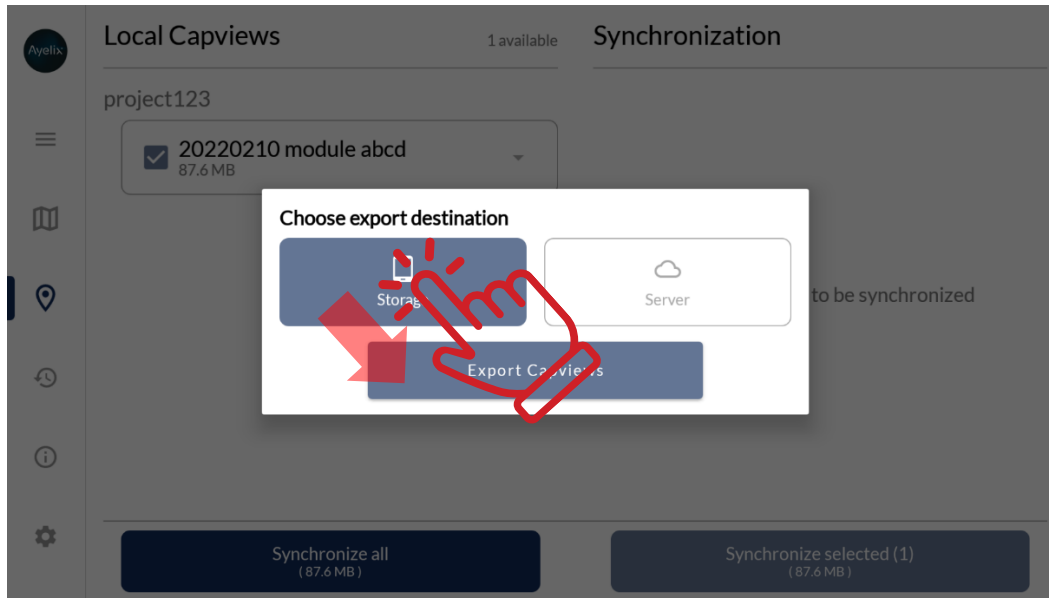
**Important note:** to synchronize to server you need to be connected with wifi with internet connection



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](mailto:support@ayelix.com))







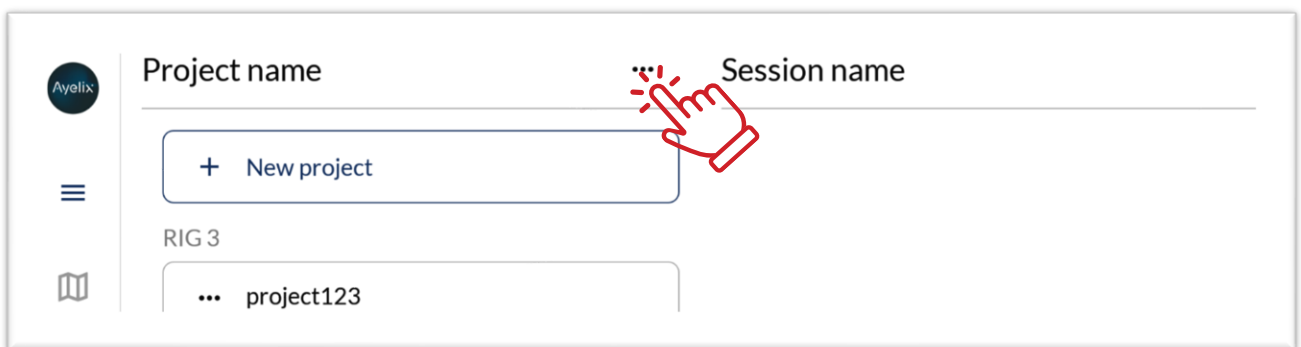
## How to remove from camera and/or tablet ?

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

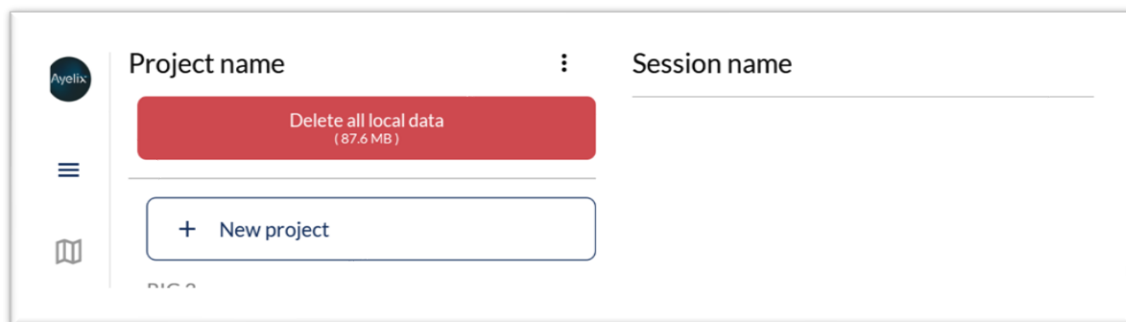
- **Removal from the tablet** (there are several options of remove data (all data, single project, single session or single position only):

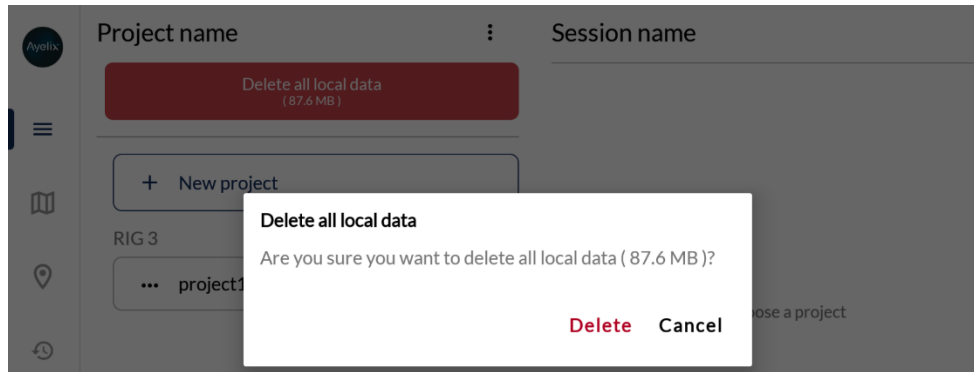
- **All data**

Press three horizontal dots at the top of the screen



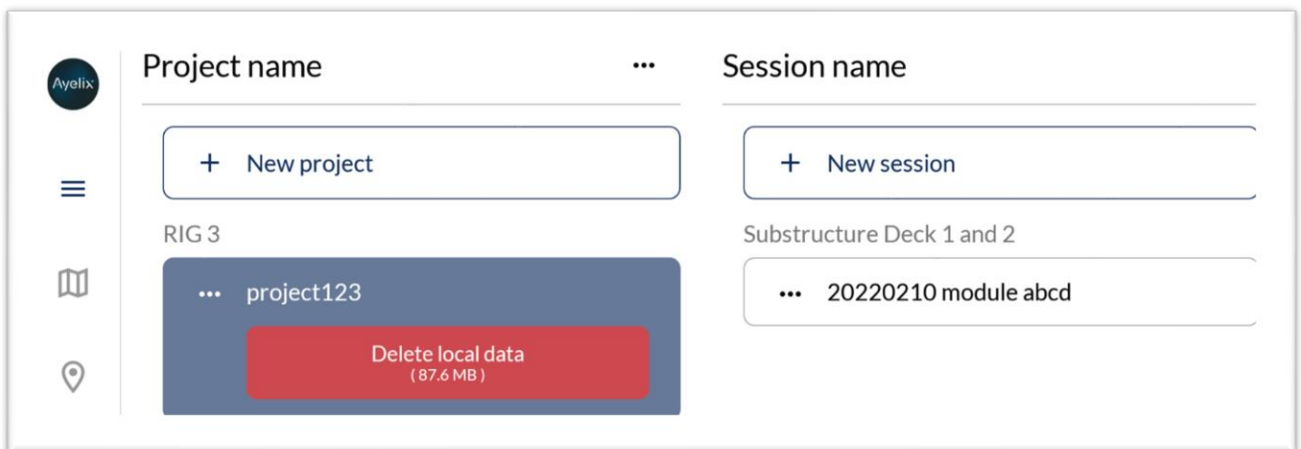
You will get following screen when you can remove all data from tablet





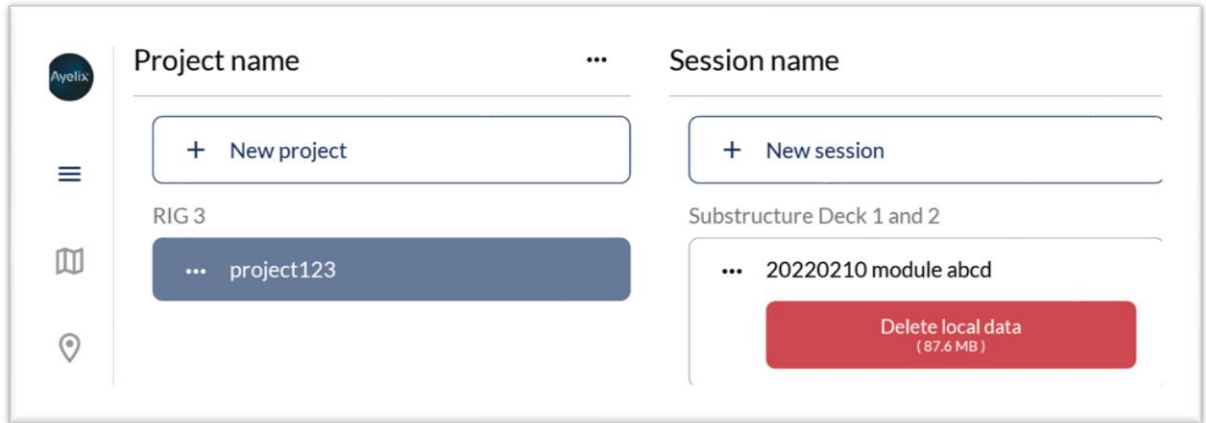
### - Project

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



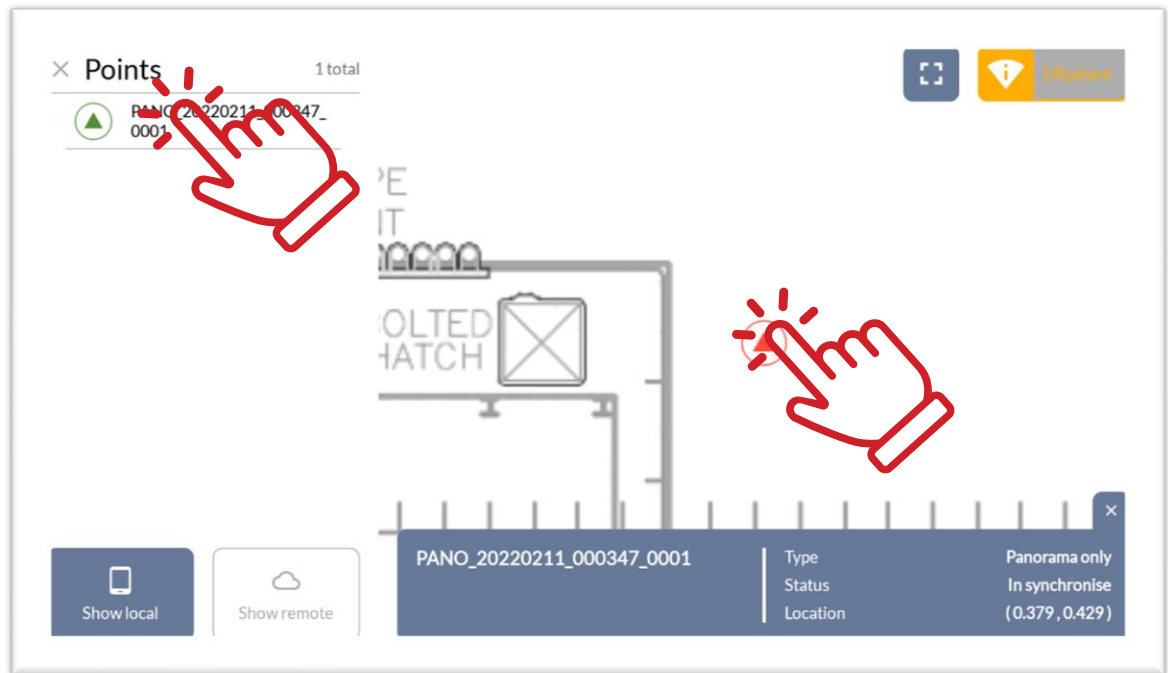
### - Sessions

In a similar way if you wish to delete just the single session, press three dots next to it and press "Delete...."

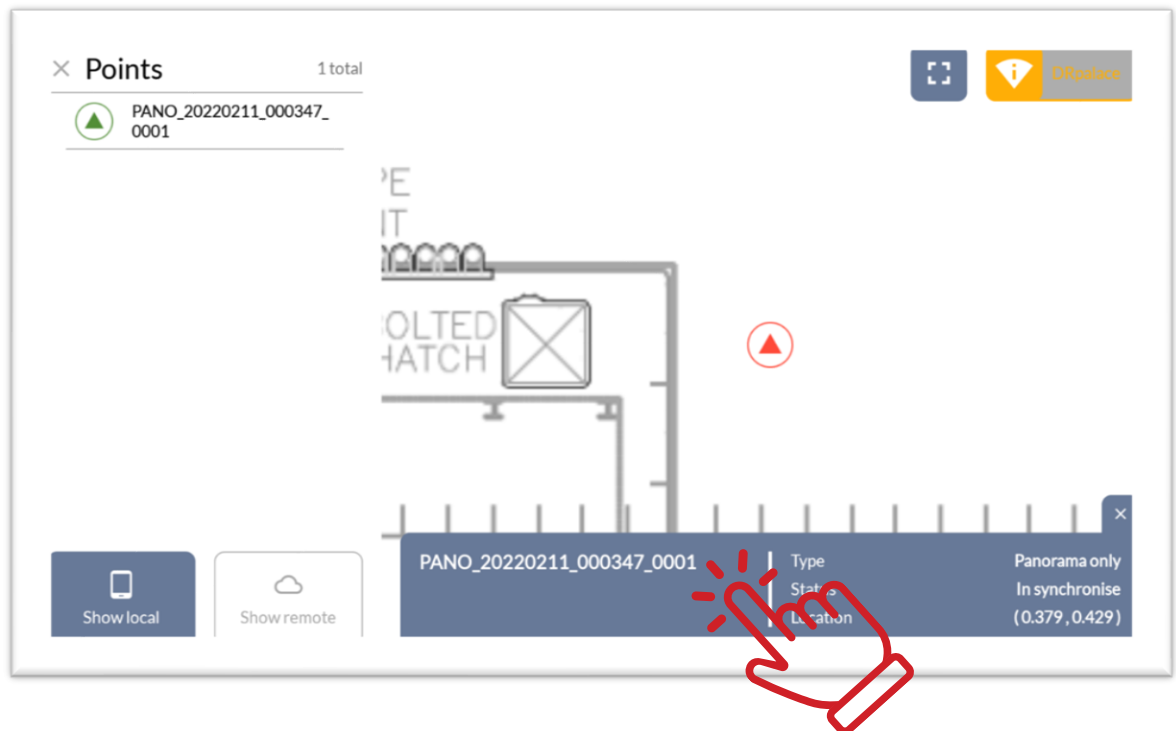


- **Single panorama**

- 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



Show local



Show remote

## × PANO\_20220211\_000347\_0001



Type

Panorama only

Status

In synchronise

Created at

2022.02.11 00:11

Description

DELETE CAPVIEW



## × Points

1 total



PANO\_20220211\_000347\_0001



Show local



Show remote

## × 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

DELETE CAPVIEW



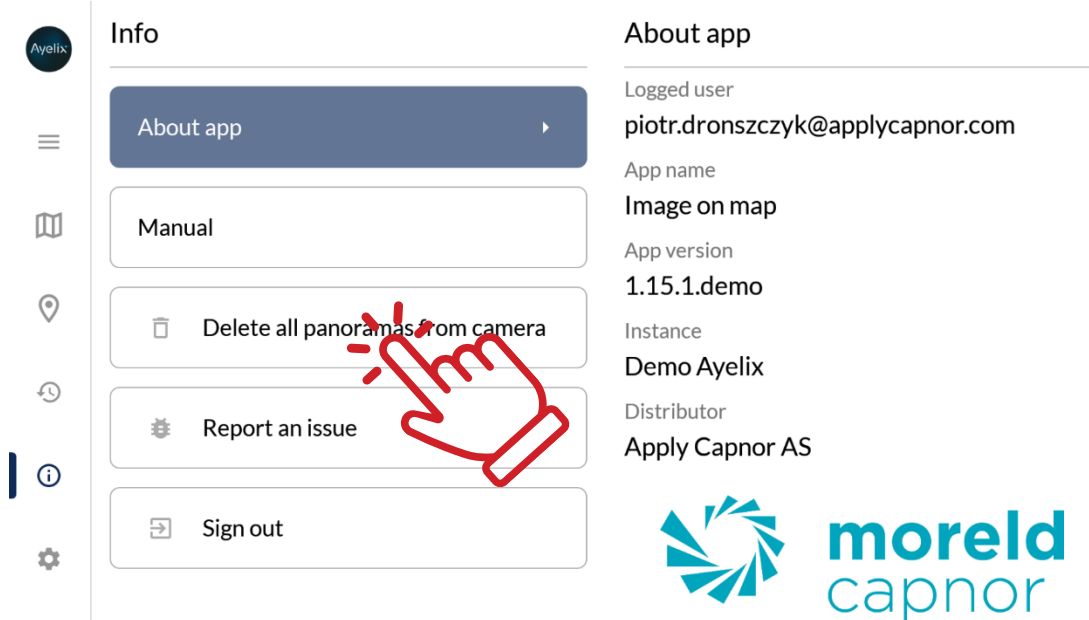
- **Removal panoramas from the camera:**

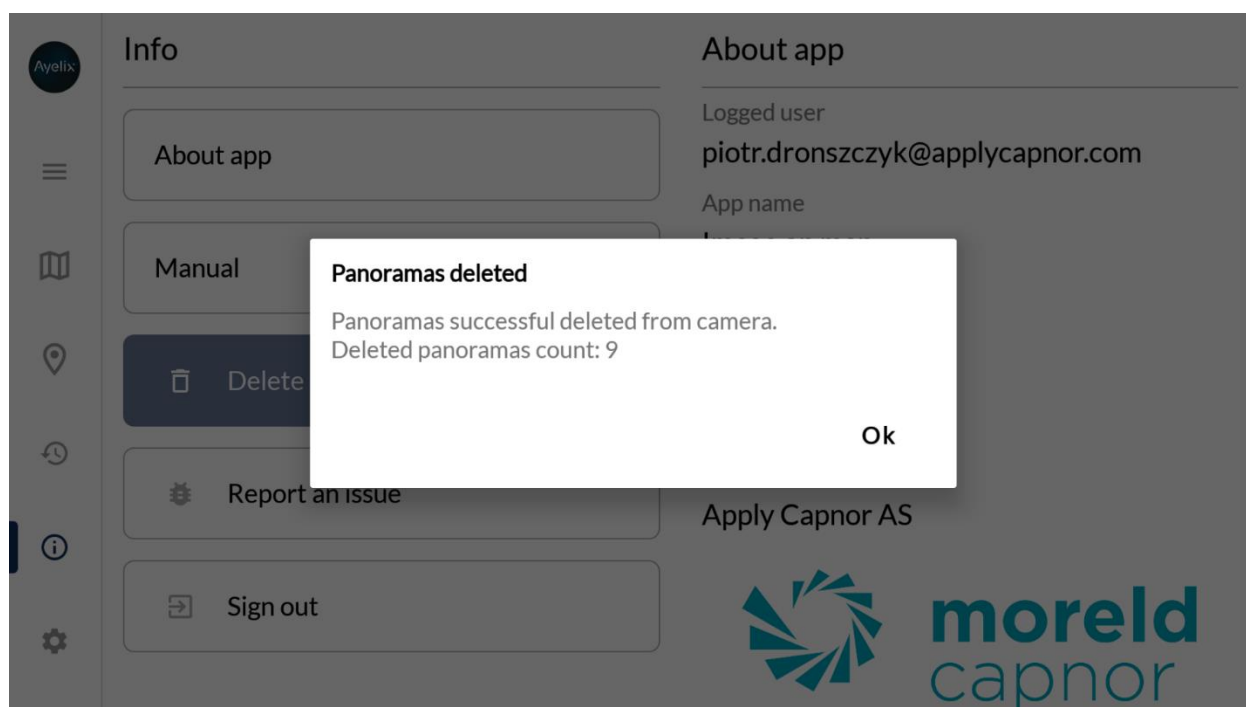
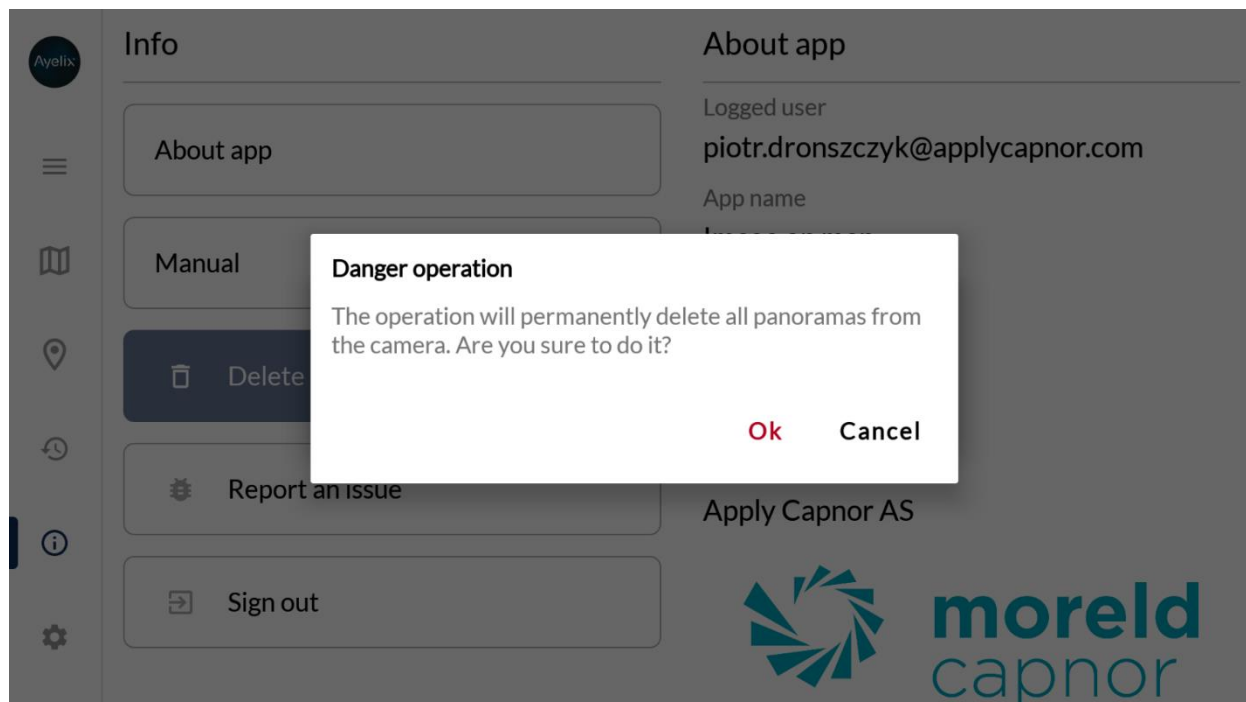
- Connect tablet with the camera
- Open ImageOnMap application



- 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**







## Built in manual

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

Ayelix

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📍

🕒

📄

⚙️

Info

About app

Manual

Delete all panoramas from camera

Report an issue

Sign out

About app

Logged user  
piotr.dronszyk@applycapnor.com

App name  
Image on map

App version  
1.15.1.demo

Instance  
Demo Ayelix

Distributor  
Apply Capnor AS

Ayelix

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⚙️

← Manual

1. Managing projects & sessions

2. Camera management

3. Creating & managing points

4. Site levels

5. Point synchronization

1. Managing projects & sessions

The Projects & sessions view enables you to manage your projects, sessions and go to the chosen Capview view. Navigate to it by selecting the appropriate tab in the side bar.

1.1 Adding a new project

To add a project there is a need to download any site.

1. Select the new project button.

2. Choose a name and select one site which corresponds to the project. If no sites are available you must download them first.

3. After confirming the new project should appear in the list.





## Additional settings

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

