



Infrakit FIELD
Basic guide

Infrakit FIELD -Overview

Right side buttons

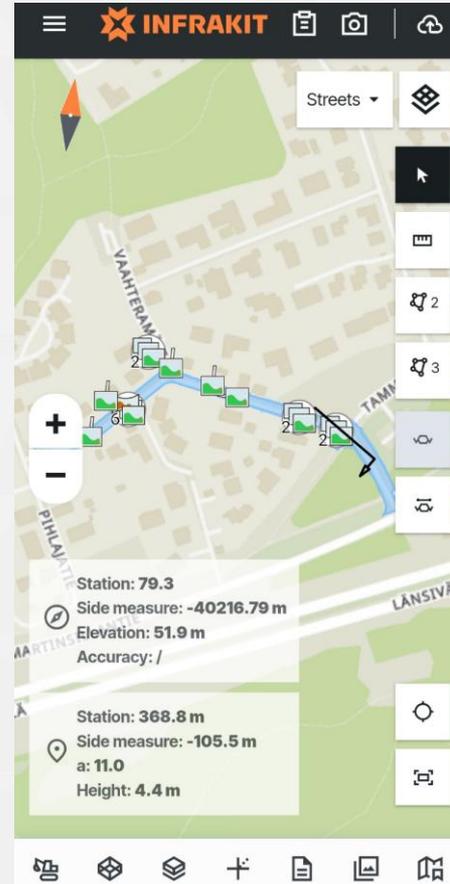
1. Free navigation
2. Distance measuring
3. Area measuring
4. Volume measuring
5. Free cross-section
6. Cross-section
7. Center to device location
8. Fit all models on map

Bottom row buttons

9. Equipment
10. Models
11. Drawings
12. As-built
13. Documents
14. Photos
15. Saved views



Menu



Map layer selection



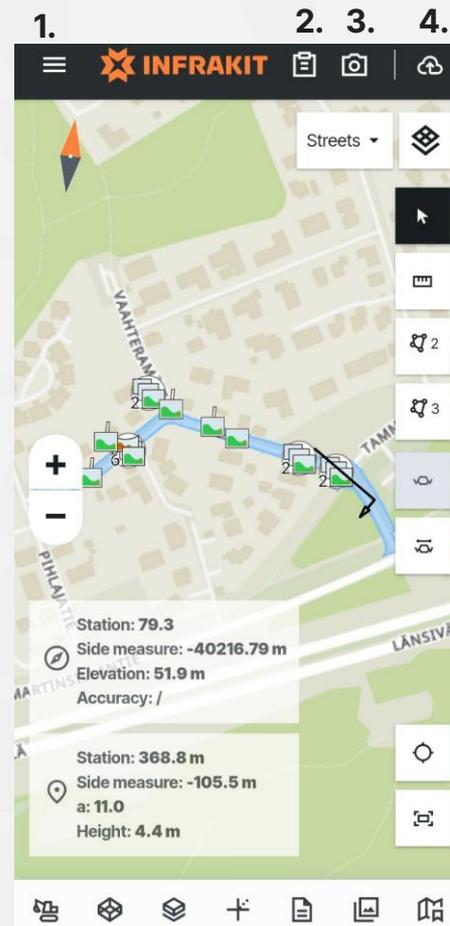
- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.

Infrakit FIELD –Overview

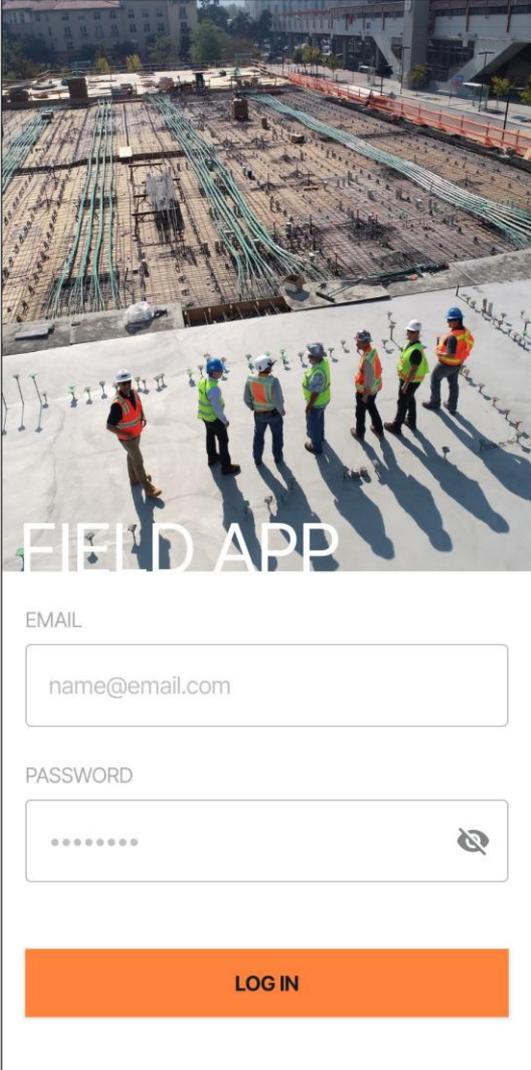
Top row buttons

1. Menu
2. Reporting tool
3. Take photos
4. Upload queue



Log in

- When opening the application for the first time or after logging out you need to log in first
- Email and password are the same for all Infrakit applications
- If you don't have a user please ask your organization's Super User or administrator to create one
- If you have forgotten your password, it can be reset from <https://www.infrakit.com>



FIELD APP

EMAIL

PASSWORD

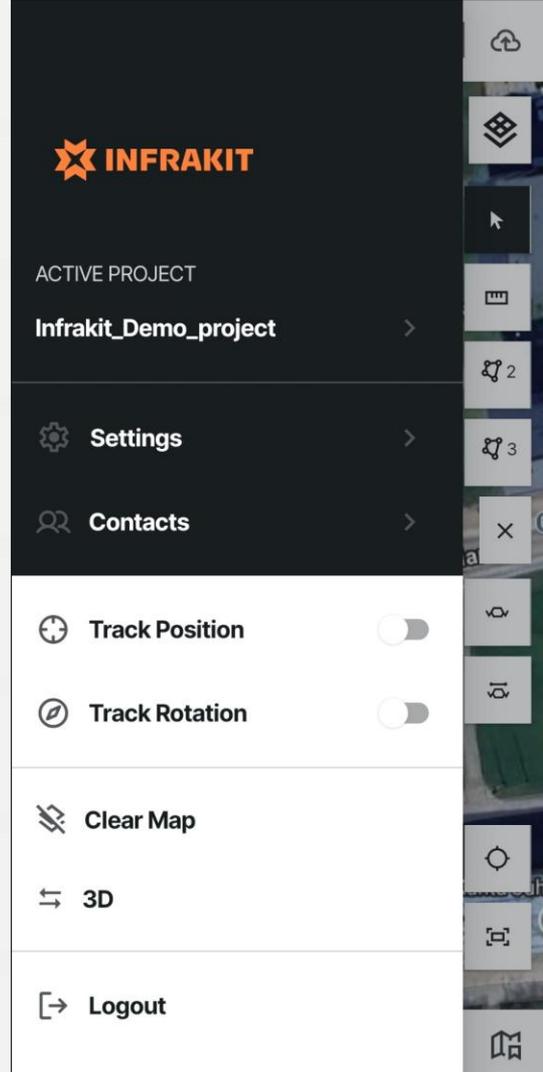
 

LOG IN

Menu

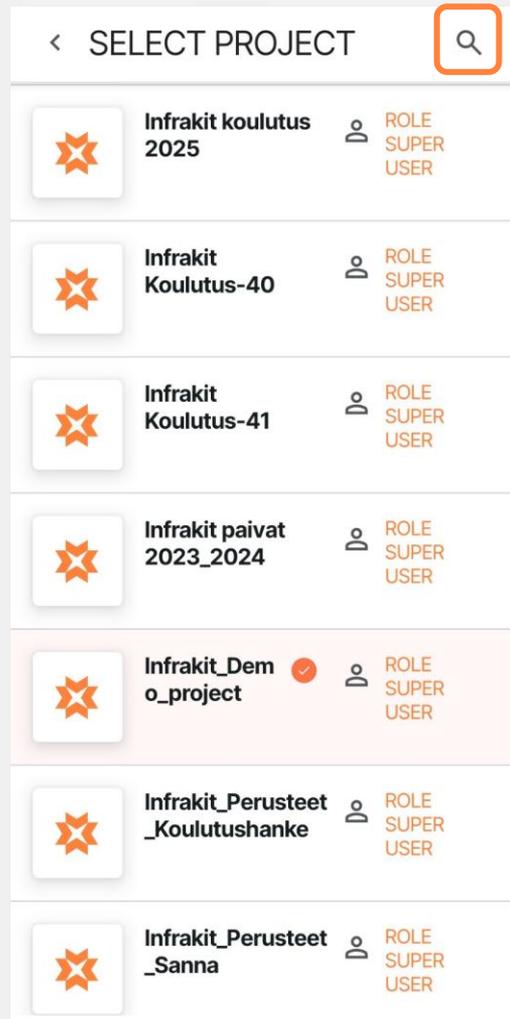
In the menu you can:

- **Change active project**
- **Change settings**
- **Look at project contacts**
- **Toggle Track Position on/off**
 - The map stays centered to your location
- **Toggle Track Rotation on/off**
 - Map rotates with the device
- **Clear map**
 - Returns the map to default state with nothing loaded
- **Go to 3D view**
- **Log out**



Project selection

- Choose "Active project" from the menu
 - List of projects you have access to will open
 - Choose the project you wish to move to
 - The role of your user in the project is shown next to the project name
 - You can search from the project list by selecting the magnifying glass icon on the top right corner

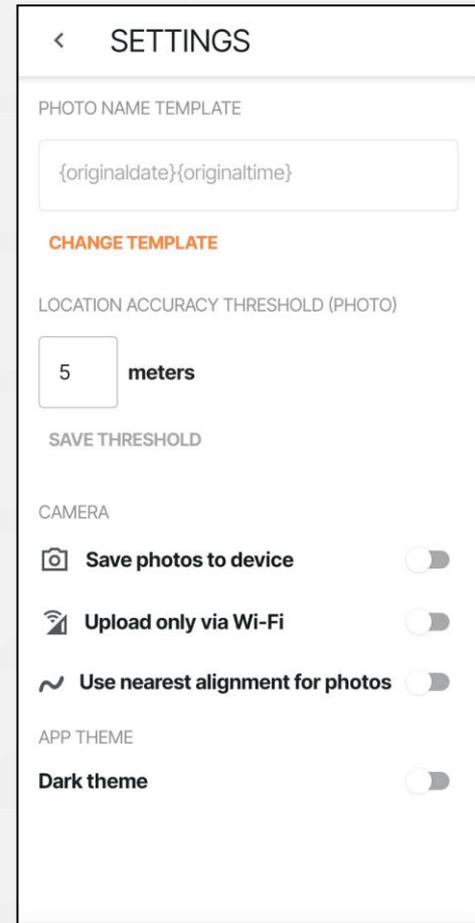


< SELECT PROJECT		
	Infrakit koulutus 2025	Do ROLE SUPER USER
	Infrakit Koulutus-40	Do ROLE SUPER USER
	Infrakit Koulutus-41	Do ROLE SUPER USER
	Infrakit paivat 2023_2024	Do ROLE SUPER USER
	Infrakit_Demo_project	Do ROLE SUPER USER
	Infrakit_Perusteet_Koulutushanke	Do ROLE SUPER USER
	Infrakit_Perusteet_Sanna	Do ROLE SUPER USER

Settings

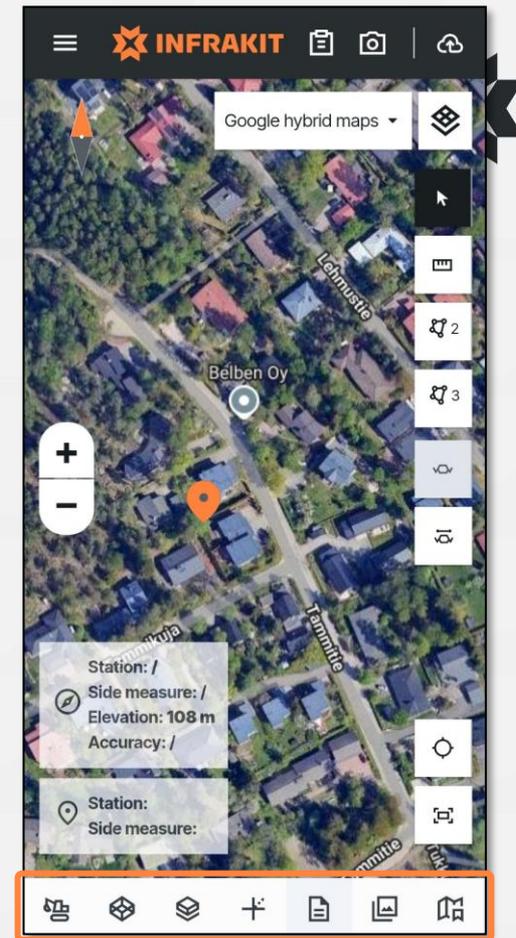
On the settings page you can:

- Choose a name template for photos
- Configure the threshold for location accuracy that warns if location accuracy is too low while taking photos
- Toggle the option if photos taken with the application are saved to device
 - Saving the photo to the device saves a copy to the Infrakit folder of the device's gallery
- Toggle if photos and reports are uploaded without active Wi-Fi connection
- Toggle the option to automatically assign the nearest alignment for photos
- Application language is configured from the system settings of the device and can't be switched from inside the application



Tabs

- Material shown on the map can be chosen from the different tabs on the map
- Tabs work the same way as they do in Infrakit OFFICE browser version
- Note that FIELD application doesn't have a way to save chosen materials for example into a saved view. Therefore, it is advised to prepare materials into saved views with Infrakit OFFICE beforehand.



Equipment tab

- In the equipment tab you can:
- 1. Check the status of equipment connected to the project
- 2. Filter equipment and decide if they are visualized on the map
- 3. Check assignments and see which models they contain



Equipment is online and models are up to date



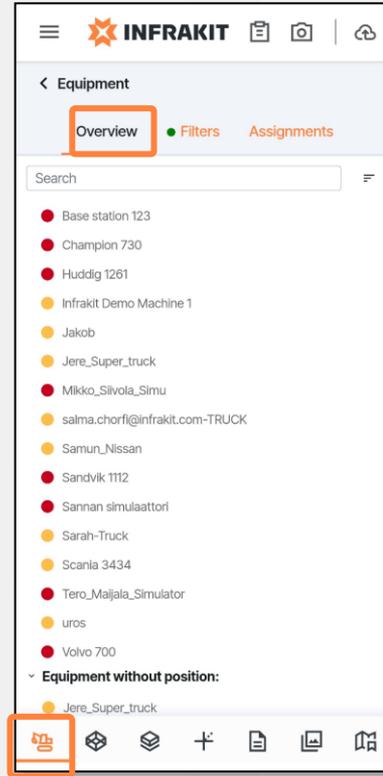
Equipment is offline/passive for over 15 minutes. Models are up to date



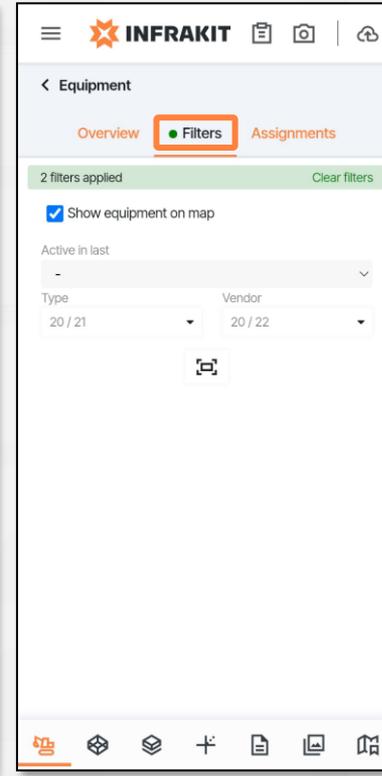
Equipment's models haven't updated or another issue, for example connection problem



Equipment is set on a "break" assignments remain ready for the time the equipment is returned to the project



1



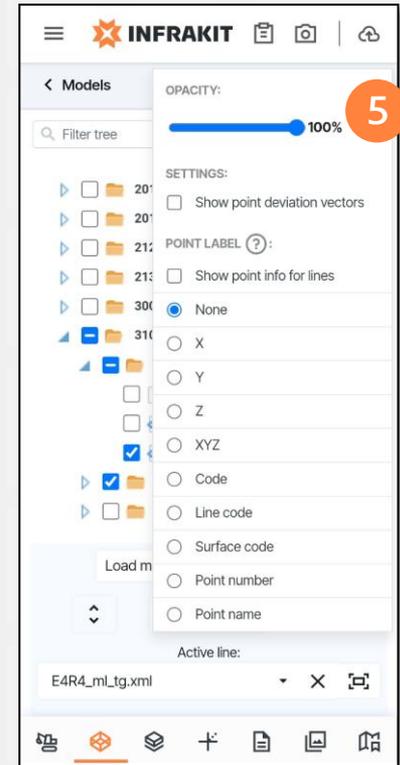
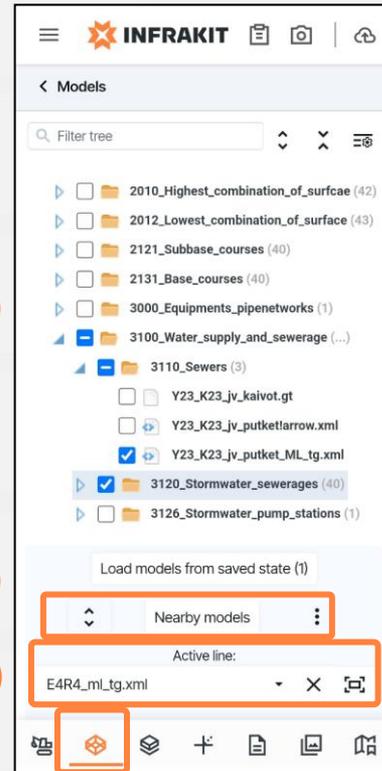
2



3

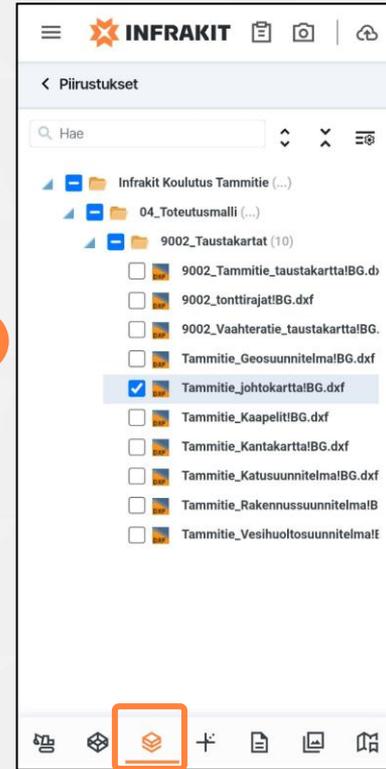
Models tab

- From the models tab you can:
- 1. Choose models to be visualized on the map by selecting the check box next to the name of the model or folder
- 2. Select models close to the devices location
- 3. Set the active alignment
- 4. Choose more settings from the menu by choosing the three dots
- 5. Configure opacity, toggle point deviation vectors and configure point labels shown



Drawings tab

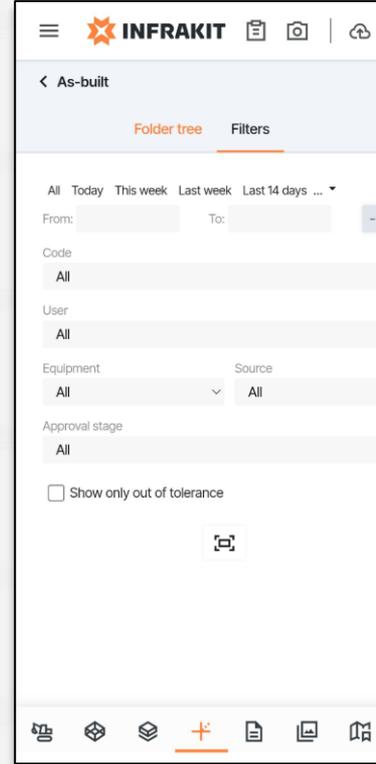
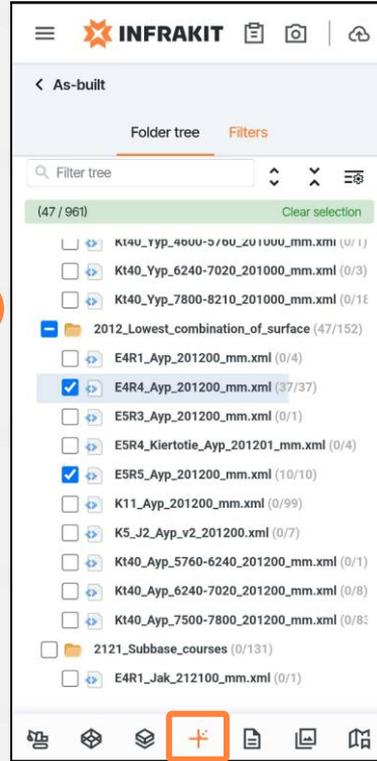
- From the drawings tab you can:
- 1. Choose drawings to be visualized on the map by selecting the check box next to the name of the model or folder



As-built tab

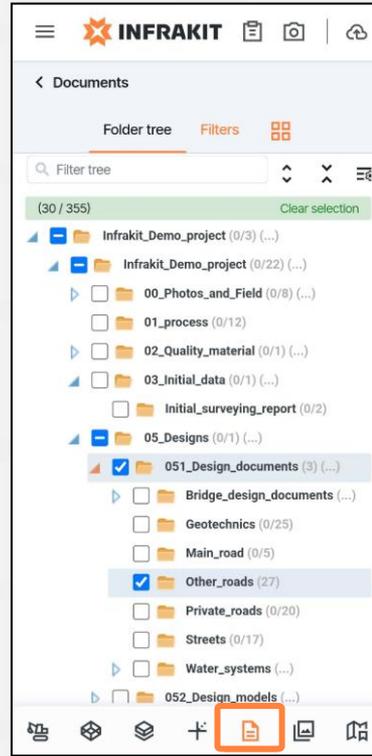
- From the As-built tab you can:

- Choose files and folder from which you want to visualize attached as-built points on the map by selecting the check box next to the name of the model or folder
- Filter as-built points

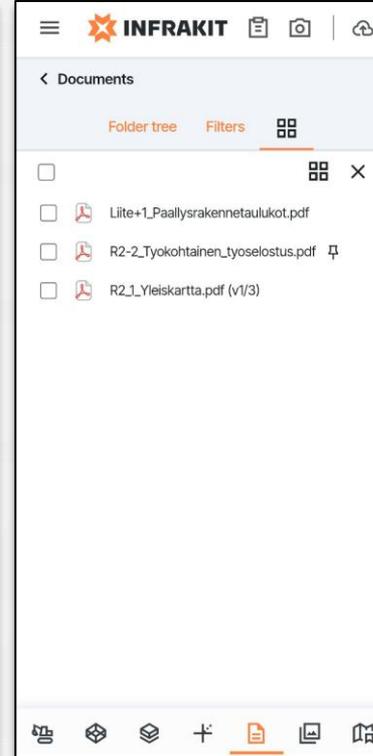


Documents tab

- From the documents tab you can:
- Choose documents to have icons visualized on the map by selecting the check box next to the name of the model or folder. The document needs to have a location set for it to be able to be visualized and filter documents
 - Browse documents inside folders
 - Open documents inside the application



1



2

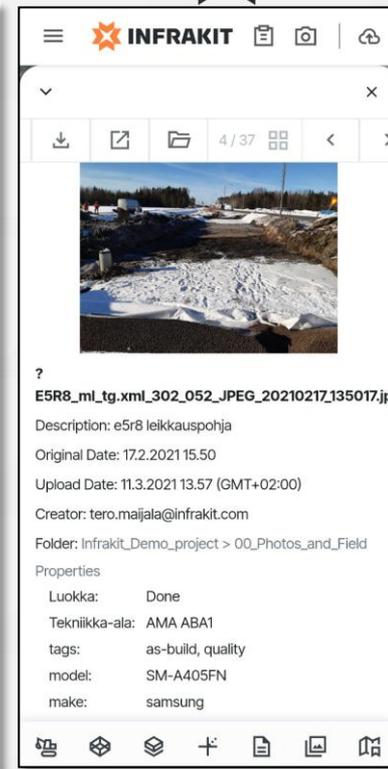
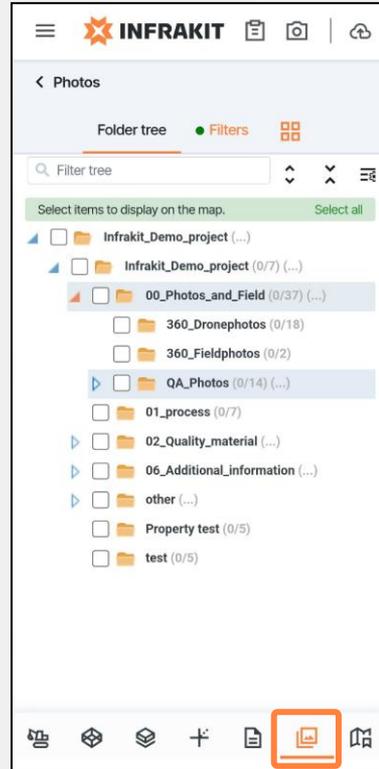


3

Photos tab

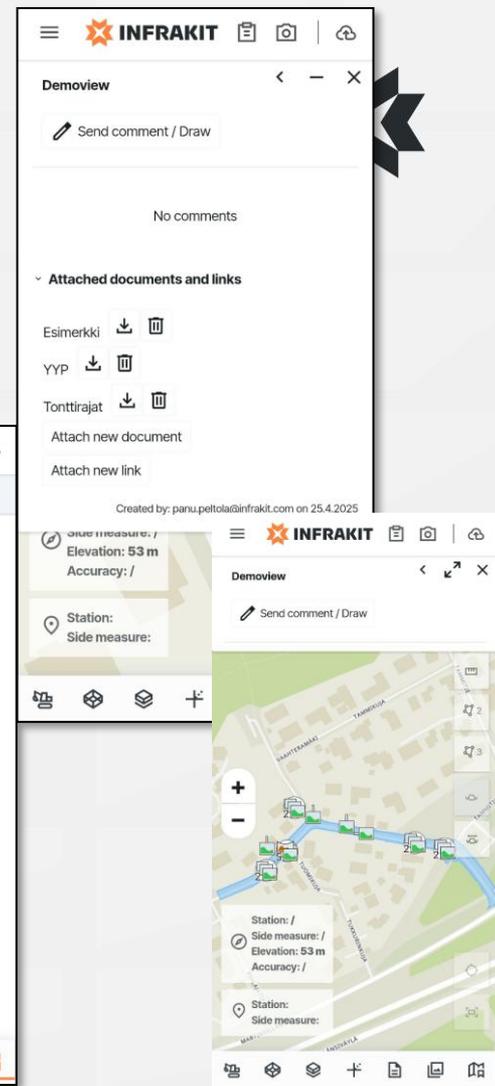
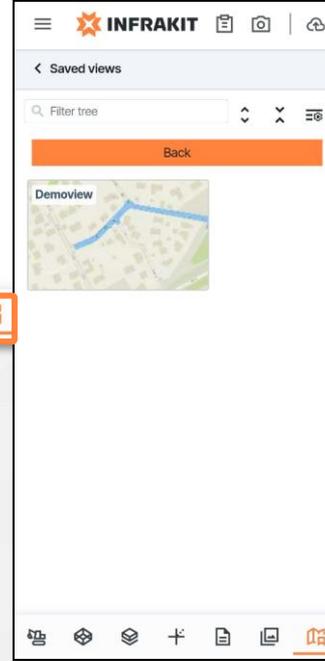
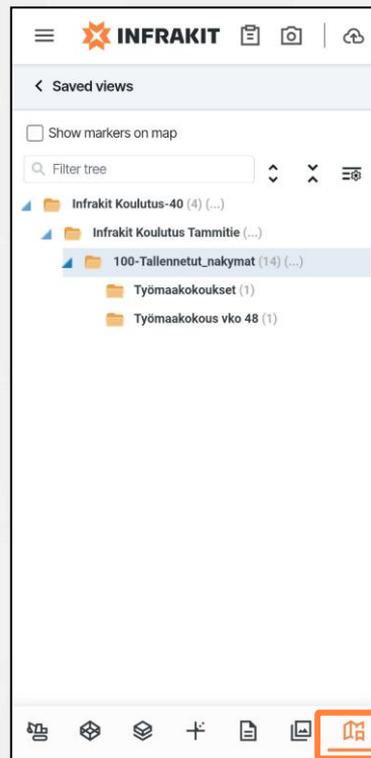


- From the photos tab you can browse and view photos from the project
- The photos can be filtered from the filter page
- To open a photo, click its icon from the folder tree or its icon from while showing the contents of the folder
- 360 photos can also be opened with the application



Saved views tab

- From the saved views tab you can:
 - Browse and open saved views created to the project
 - Add comments to saved views
 - Open links and files attached to the saved view
- Saved views are the easiest way to quickly choose visualized material on map in FIELD application
- It is recommended that saved views are prepared beforehand using Infrakit OFFICE browser version
- Using saved views is the easiest way to switch between data sets
- Please note that saved views can't be created on the FIELD application



Map tile layers



- From the map layer tile menu you can:
 - Choose one or multiple map layers
 - Change the order of layers
 - Change the opacity of layers

The first screenshot shows the main map interface with a layer menu at the top right. An orange arrow points to the 'Streets' dropdown and a layer icon, with the text 'Choose one layer'. The map displays a blue path with several drone icons and two station information boxes. The second screenshot shows the 'Layer tree' menu with a search bar and a list of layers. An orange arrow points to the 'Streets' dropdown and a layer icon, with the text 'Choose multiple layers'. The third screenshot shows the 'Layer tree' menu with a search bar and a list of layers. An orange arrow points to the 'Streets' dropdown and a layer icon, with the text 'Choose multiple layers'. The layer 'RTK_Drone_E4_M2_K1_10.10.2019' is selected and has an opacity slider set to 40%. The layer 'Google hybrid maps' is also selected and has an opacity slider set to 100%.

Photo name templates

- Name templates names a photo automatically according to the properties configured in the template.
 - The one taking the photo doesn't need to worry about naming the photo, just choosing the right template and giving a description if needed
- Templates are created from project settings in Infrakit OFFICE
- A photo can be renamed afterwards but it is not recommended for the continuity of naming on a project

PHOTO NAME TEMPLATE

Keep original file name

{originaldate}{originaltime}

Laatuvalokuvat

{username}{originaldate}_LAATU

Eksempel på bildemal

{projectname}_{originaldate}{organizationname}

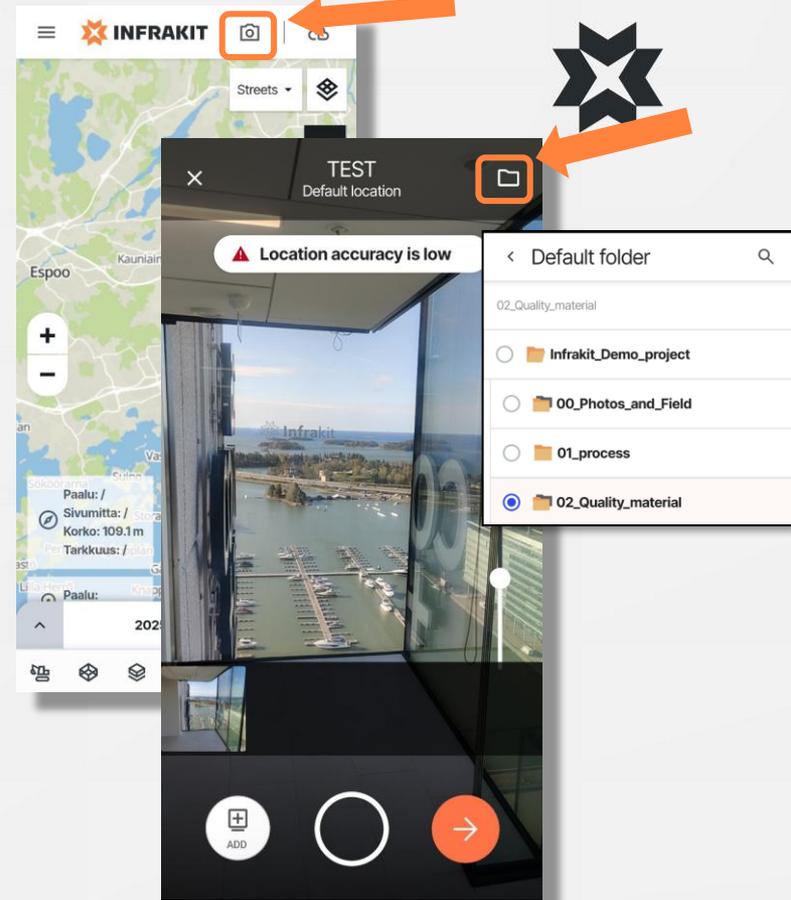
projektin nimi kuvaus ja kuvanottohetki

{projectname}{description}{originaldate}

AP

Taking photos (1/3)

1. Press the camera icon on the top row of the screen
2. Select the default folder for the photos from the folder icon on the top right corner. After this, choose the default folder and return to the camera window
 - Default folder is remembered for the next time you take photos
3. Take photos by pressing the circle in the middle of the toolbar in the bottom of the screen
4. Add photos by selecting the "Add" icon on the left side of the toolbar
5. Press the orange arrow when you have taken one or more photos
 - Taken photos are shown in the window between the camera screen and navigation buttons



Taking photos (2/3)

5. Photos can be examined and deleted in the preview
6. Add a description and other information if needed
 - By selecting “Apply to all photos” the given description is applied to all photos in the batch. Please note that applying a description overwrites everything
7. You can change the folder the photos are uploaded to

UPLOAD PHOTOS (1) ×

 test CHANGE FOLDER



NAMING TEMPLATE CHANGE TEMPLATE
{originaldate}{originaltime}

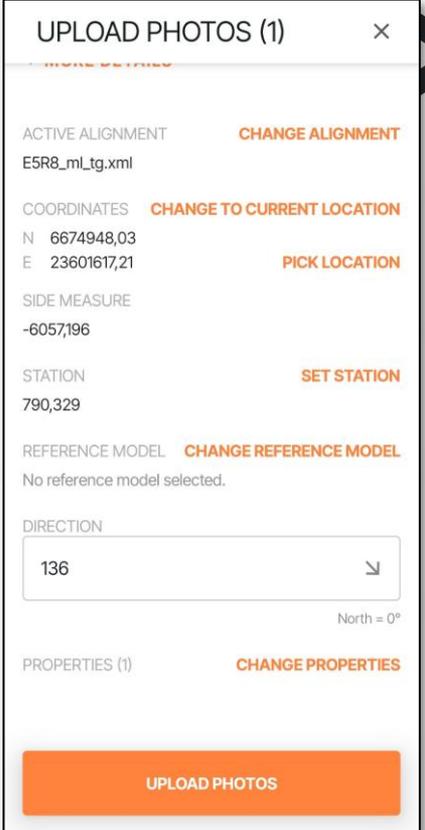
IMAGE NAME
JPEG_20250505_081031.jpg

DESCRIPTION
No description...

UPLOAD PHOTOS

Taking photos (3/3)

1. More details can be edited by selecting "Mote details"
 - You can edit/add
 - Active alignment
 - Coordinates
 - Statopm
 - Reference model
 - Photo direction (north = 0°, south = 180°)
2. Most of this info is automatically generated if the photo is taken with the application with location allowed
3. When everything is set, select "Upload photos"
4. The photos will now be uploaded to Infrakit



UPLOAD PHOTOS (1) ×

ACTIVE ALIGNMENT [CHANGE ALIGNMENT](#)
E5R8_mLtg.xml

COORDINATES [CHANGE TO CURRENT LOCATION](#)
N 6674948,03
E 23601617,21 [PICK LOCATION](#)

SIDE MEASURE
-6057,196

STATION [SET STATION](#)
790,329

REFERENCE MODEL [CHANGE REFERENCE MODEL](#)
No reference model selected.

DIRECTION
136 
North = 0°

PROPERTIES (1) [CHANGE PROPERTIES](#)

[UPLOAD PHOTOS](#)

Editing property values with Infrakit

Property values can only be edited in Field application by:

- After taking the photos navigate to the more details menu and select "More details"
- Properties need to be assigned to the folder the photo is saved in before being able to change the properties
- If no property values are assigned to the folder, this menu item will not be visible
- Select "Change properties"
 - By selecting "Apply properties to this batch" you can give the same properties to all photos in the batch

UPLOAD PHOTOS (1) ✕

ACTIVE ALIGNMENT **CHANGE ALIGNMENT**
No active alignment selected.

COORDINATES **CHANGE TO CURRENT LOCATION**
N 6673581,74
E 25490601,23 **PICK LOCATION**

SIDE MEASURE
N/A

STATION **SET STATION**
N/A

REFERENCE MODEL **CHANGE REFERENCE MODEL**
No reference model selected.

DIRECTION
35 ↗
North = 0°

PROPERTIES (1) **CHANGE PROPERTIES**

UPLOAD PHOTOS

1



< EDIT PROPERTIES

Apply properties to this batch

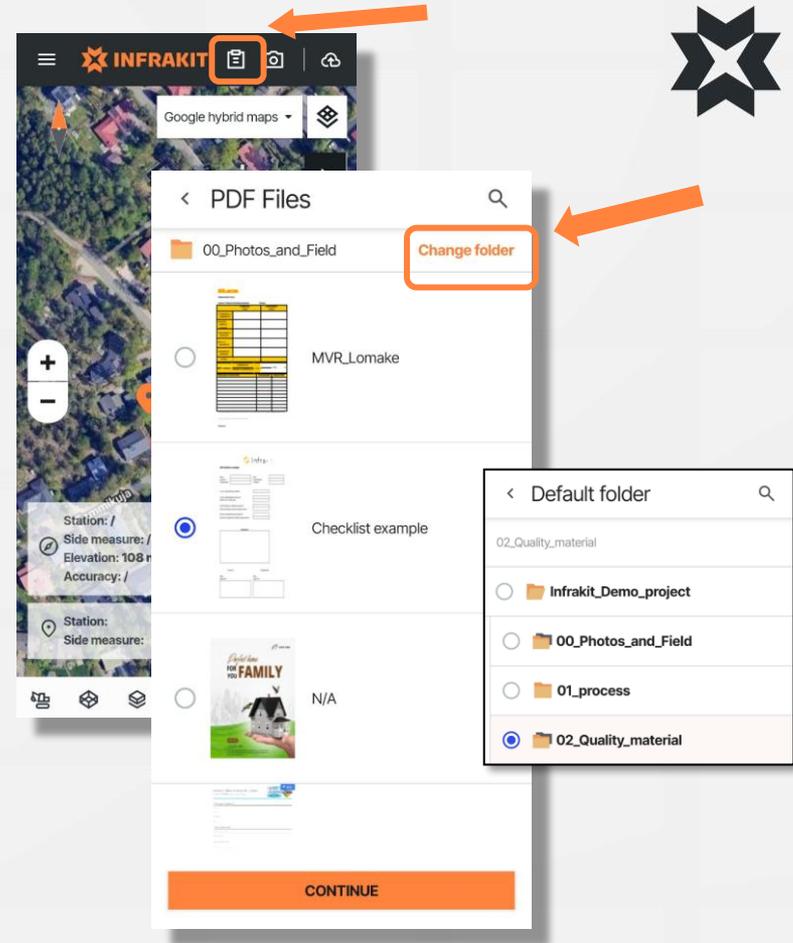
Document type ▾

DONE

2

Reporting tool (1/2)

1. Select the report tool icon from the toolbar in the top of the screen
2. Choose a folder for the report to be saved in from the menu by selecting "Change folder"
3. Select the wanted folder and return to the previous window
4. Choose the report template
 - Report templates are created from the project settings. Report templates need a fillable PDF file.
5. Select "Continue"



Reporting tool (2/2)



1. Fill the PDF report. Data can be input into the pre defined fields. More options can be accessed by pressing and holding the screen
2. When the report is complete press "SAVE" from the top right corner of the screen
3. On the next page you can change folder, name template or description
4. You can also change alignment, location, station and reference model by selecting "More details"
5. Change properties by pressing "Change properties"
6. Finally select "UPLOAD REPORT" to upload it to the wanted folder

InfraKit
Cloud for infra projects

PDF Checklist, example

Place: Date:
Foreman: Projectnr:

Is the sub foundation profiled?

Is the sub foundation measured Within the set tolerance?

Are the delivery certificates present?

Does the delivery meet the requirements?

Has the compaction been checked?

Does the compaction meet the requirements?

Comments

Foreman: Projectleader:

Date: Signature:

Date: Signature:

SAVE

00_Photos_and_Field CHANGE FOLDER

InfraKit
Cloud for infra projects

NAME: PROJECT:

Is the sub foundation profiled?

Is the sub foundation measured Within the set tolerance?

Are the delivery certificates present?

Does the delivery meet the requirements?

Has the compaction been checked?

Does the compaction meet the requirements?

Comments

Foreman: Projectleader:

Date: Signature:

Date: Signature:

CHANGE FOLDER

CHANGE TEMPLATE

CHANGE TEMPLATE

NAMING TEMPLATE (originaldate){originaltime}

REPORT NAME

6393_Checklist example_958_1fa4f3cc-8a5

DESCRIPTION

No description...

UPLOAD REPORT

00_Photos_and_Field CHANGE FOLDER

InfraKit
Cloud for infra projects

NAME: PROJECT:

Is the sub foundation profiled?

Is the sub foundation measured Within the set tolerance?

Are the delivery certificates present?

Does the delivery meet the requirements?

Has the compaction been checked?

Does the compaction meet the requirements?

Comments

Foreman: Projectleader:

Date: Signature:

Date: Signature:

CHANGE ALIGNMENT

CHANGE TO CURRENT LOCATION

PICK LOCATION

SET STATION

CHANGE REFERENCE MODEL

CHANGE PROPERTIES

ACTIVE ALIGNMENT ESR8_ml_tg.xml

COORDINATES N 6674972,44 E 23601601,71

SIDE MEASURE 0

STATION 0

REFERENCE MODEL No reference model selected.

DIRECTION 180 North = 0°

PROPERTIES (7) Quality issue: Not corrected

Luokka:

UPLOAD REPORT

More instructions

<https://support.infrakit.com/help>

support@infrakit.com/+358 9 4257 9297

