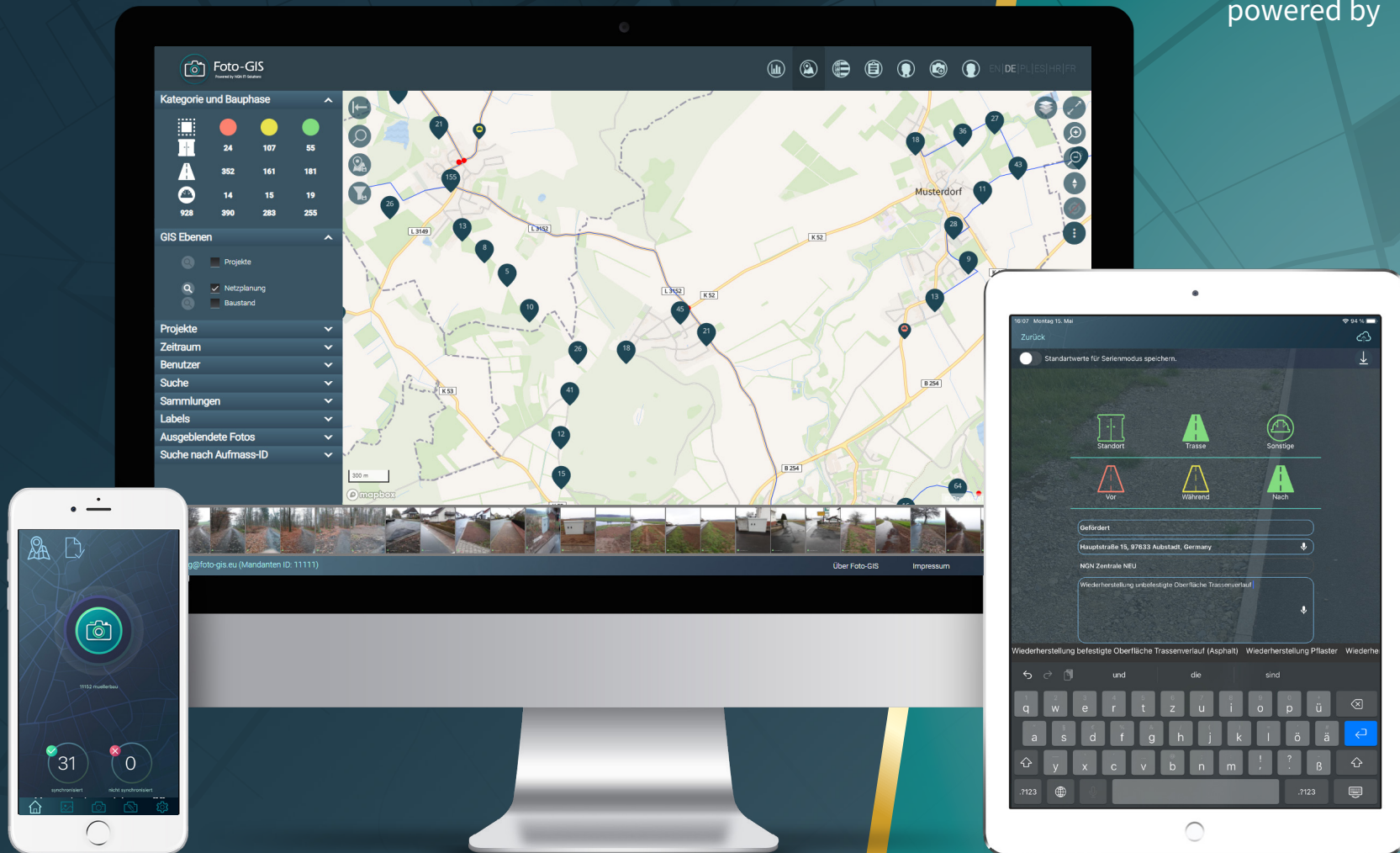


User manual

APP



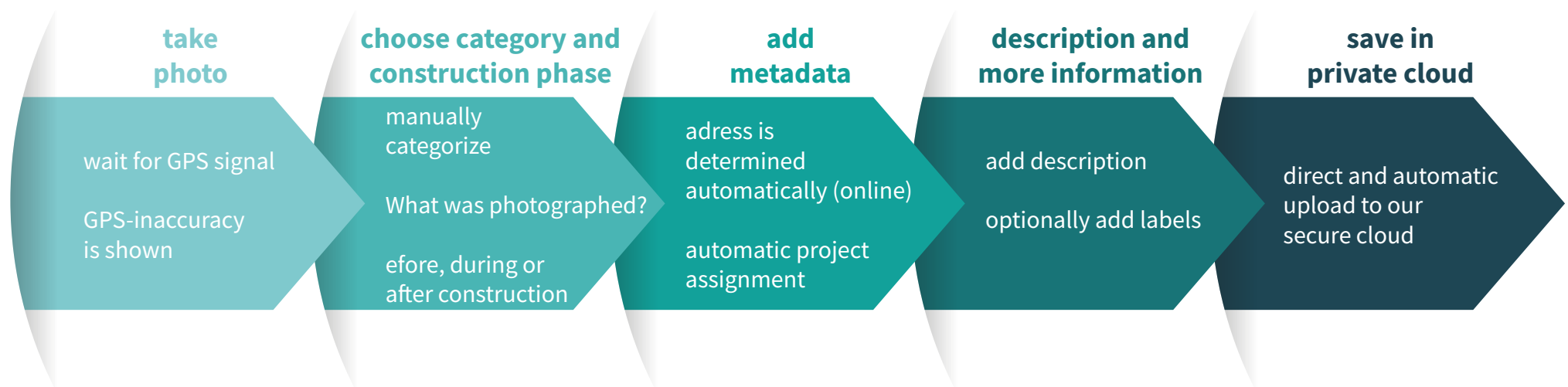
powered by **NGN** IT Solutions GmbH



Version 3.0

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how the Foto-GIS App works





The screenshot shows the Foto-GIS login interface on a mobile device. The screen has a dark blue background with a camera icon and the text 'Foto-GIS Powered by NGN IT-Solutions'. The login form includes the following elements:

- Mandant ID**: A text input field with a character count of 0/255.
- e-mail**: A text input field with a character count of 0/255.
- password**: A text input field with a character count of 0/255 and a toggle icon for password visibility.
- stay logged in**: A toggle switch that is currently turned on.
- Forgot your password?**: A link to restore the password.
- Log in**: A teal button to submit the login form.
- Login SSO**: A grey button for single sign-on.
- about Foto-GIS**: A link at the bottom left.
- Create Test account**: A link at the bottom right.

Annotations on the left side of the screen point to the following fields:

- 5-digit mandant-ID
- enter e-mail-adress
- enter password
- stay logged in for up to 30 days (useful on construction sites without internet connection)
- single sign on login

Annotations on the right side of the screen point to the following links:

- restore password
- register for Foto-GIS testphase

home screen



taking photo



No WiFi is required to take photos.
When you reconnect to
a WiFi network, the
previously taken photos
will be uploaded.

GPS inaccuracy

flash settings

image brightness

switch front- / back-facing camera

If the GPS inaccuracy is too high,
the record button is deactivated
and no photo can be taken.
If the button is coloured,
photos can be taken.

taking photo

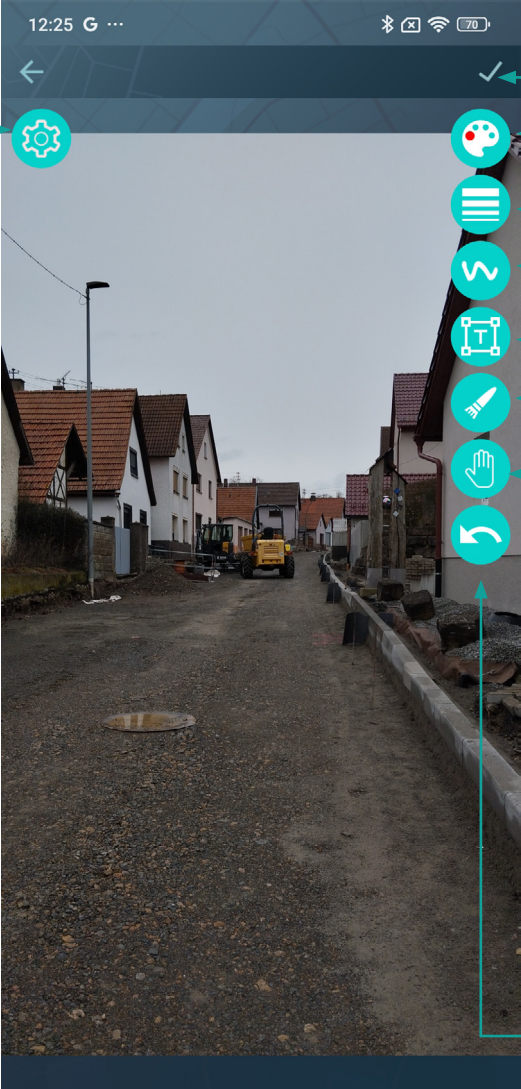


save photo

drawing functions

Series mode
This allows several photos
to be taken in succession.
These are then categorised together.

drawing functions



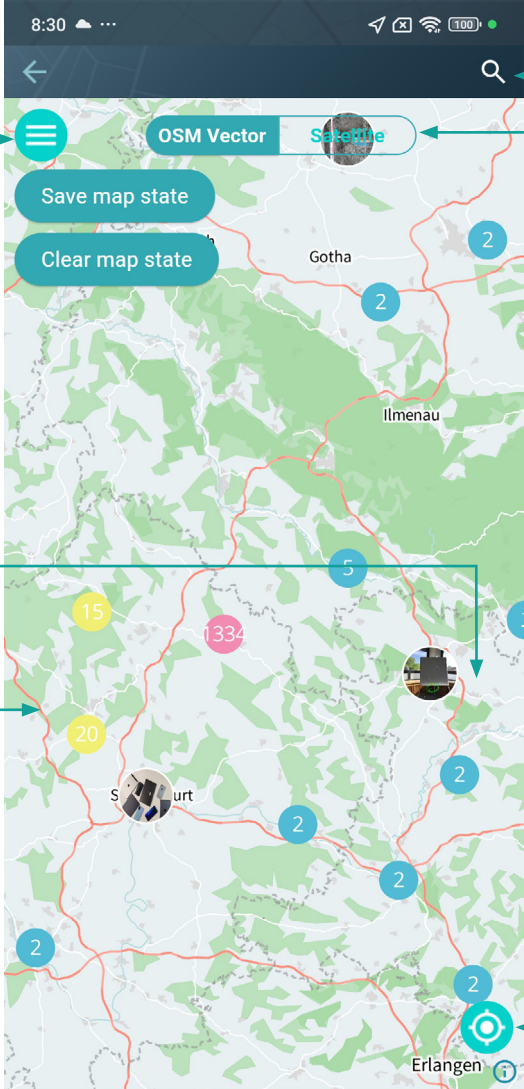
The screenshot shows the Foto-GIS mobile app interface. At the top, there's a status bar with the time 12:25, signal strength, and battery level. Below the status bar is a navigation bar with a back arrow on the left and a checkmark on the right. The main area displays a photo of a street with houses and a yellow excavator. On the right side of the photo, there's a vertical toolbar with several icons. A teal box on the left points to the settings gear icon with the text "Set current settings as default". On the right, a list of functions is shown, each with a line pointing to its corresponding icon in the toolbar:

- save
- change line color
- change line thickness
- add shapes e.g. rectangle, circle
- add text
- switch drawing / erasing
- move lines, shapes, texts
- undo last action

enrich photo with metadata



mobile map view



The screenshot shows the mobile map view of the Foto-GIS application. The interface includes a top status bar with the time (8:30) and battery level (100%). Below the status bar is a navigation bar with a back arrow, a search icon, and a menu icon. The main map area displays a satellite view of a region with various locations marked by numbered blue circles (e.g., 2, 5, 15, 20, 1334). A red line indicates a route. A callout box on the left explains that multiple photos are automatically grouped into clusters. A callout box on the right explains that only photos already uploaded/synchronised are displayed in the mobile map view, and an internet connection is required to view photos and/or GIS layers. A callout box at the bottom right explains that an internet connection is required to view photos and/or GIS layers. A callout box at the bottom left explains that multiple photos are automatically grouped into clusters. A callout box at the top right explains that only photos already uploaded/synchronised are displayed in the mobile map view, and an internet connection is required to view photos and/or GIS layers. A callout box at the top left explains that settings for GIS layers can be accessed via the menu icon. A callout box at the bottom center explains that tapping a single photo will open it in a large view. A callout box at the bottom right explains that the search location, change map view, and jump to own position functions are available via the search icon, map view selector, and location pin icon respectively.

settings for GIS layers

tap single photo for large view

multiple photos are automatically grouped into clusters

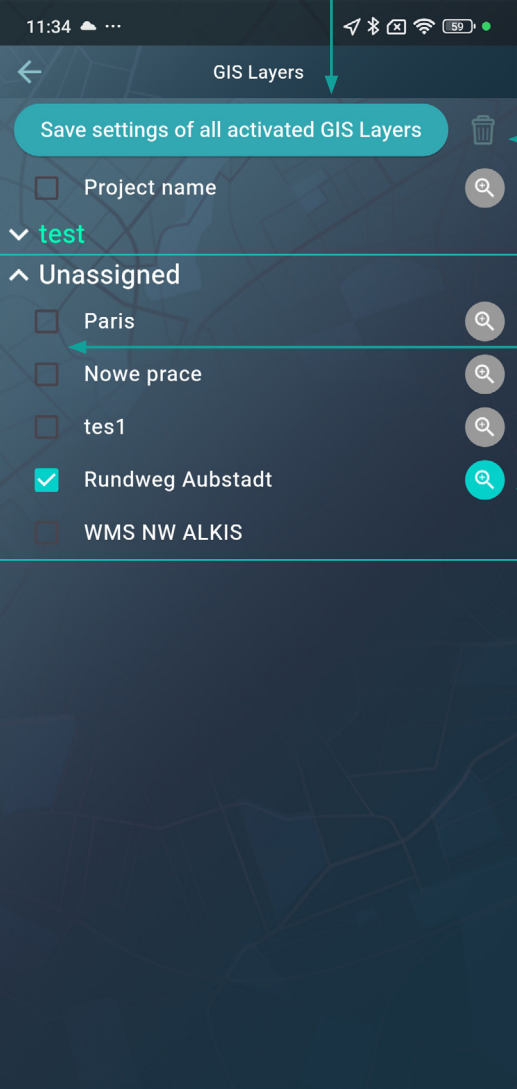
Only photos that have already been uploaded/synchronised are displayed in the mobile map view. An internet connection is required to view photos and/or GIS layers.

search location

change map view

jump to own position

GIS layers



11:34 ...

GIS Layers

Save settings of all activated GIS Layers

☐ Project name

▼ test

^ Unassigned

☐ Paris

☐ Nowe prace

☐ tes1

☒ Rundweg Aubstadt

☐ WMS NW ALKIS

save setting

activated layers are always displayed on mobile map view

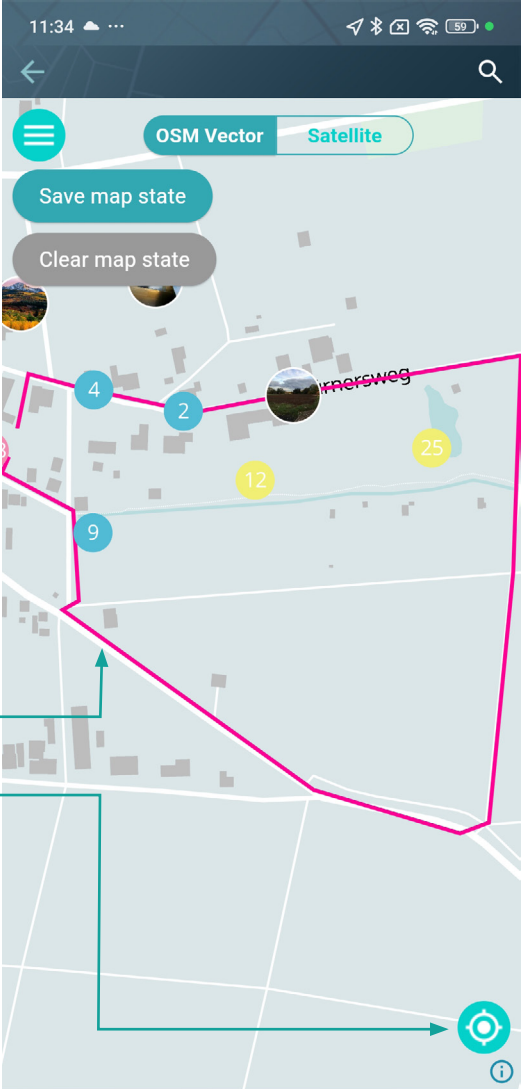
delete previously saved settings

activate layer

jump to active layer

active layers are displayed (here red)

jump to own position



11:34 ...

OSM Vector Satellite

Save map state

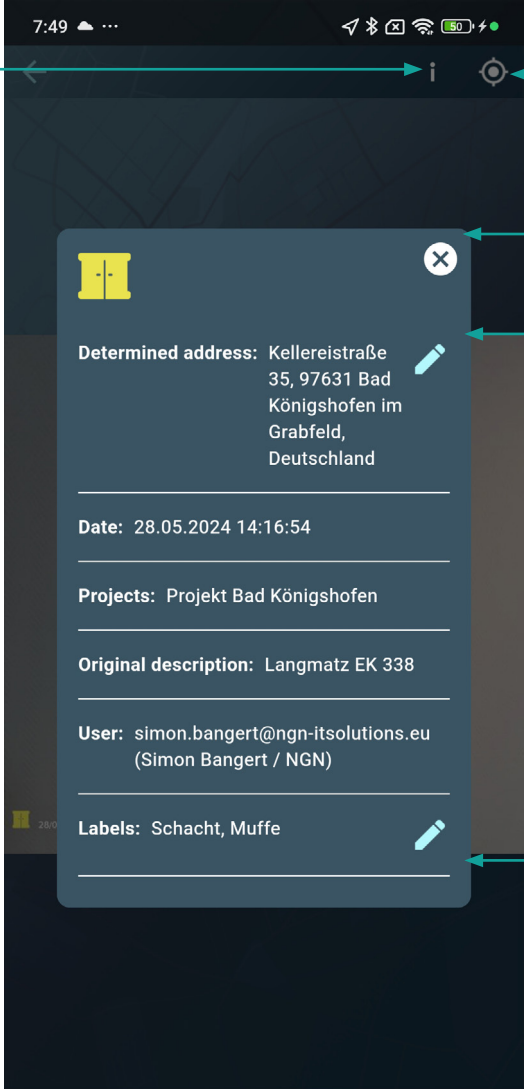
Clear map state

4 2 9 12 25

Kirchweg

jump to own position

show and edit metadata



show metadata and edit if required

show position on map

close metadata view

edit address if required

edit labels if required

Determined address: Kellereistraße
35, 97631 Bad
Königshofen im
Grabfeld,
Deutschland

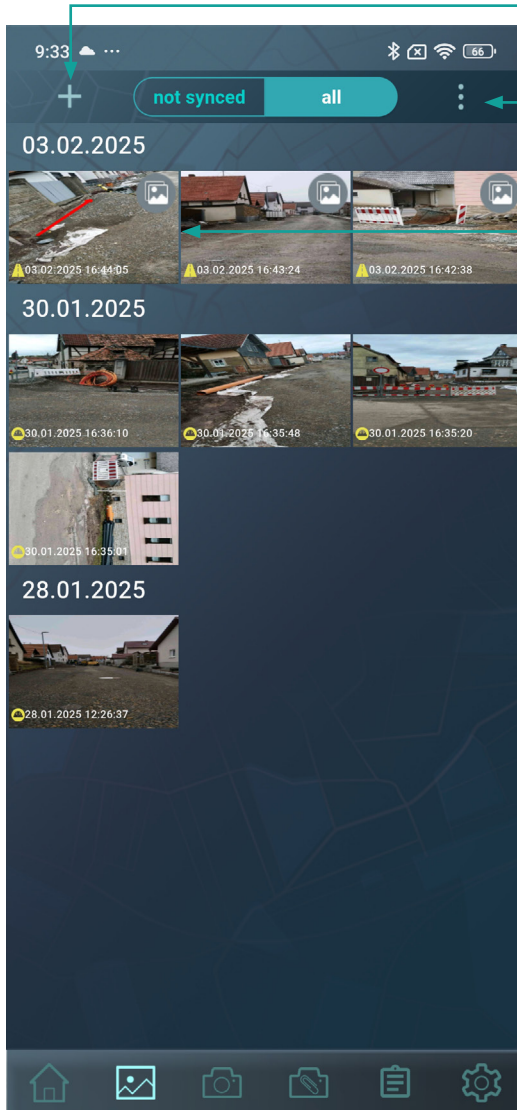
Date: 28.05.2024 14:16:54

Projects: Projekt Bad Königshofen

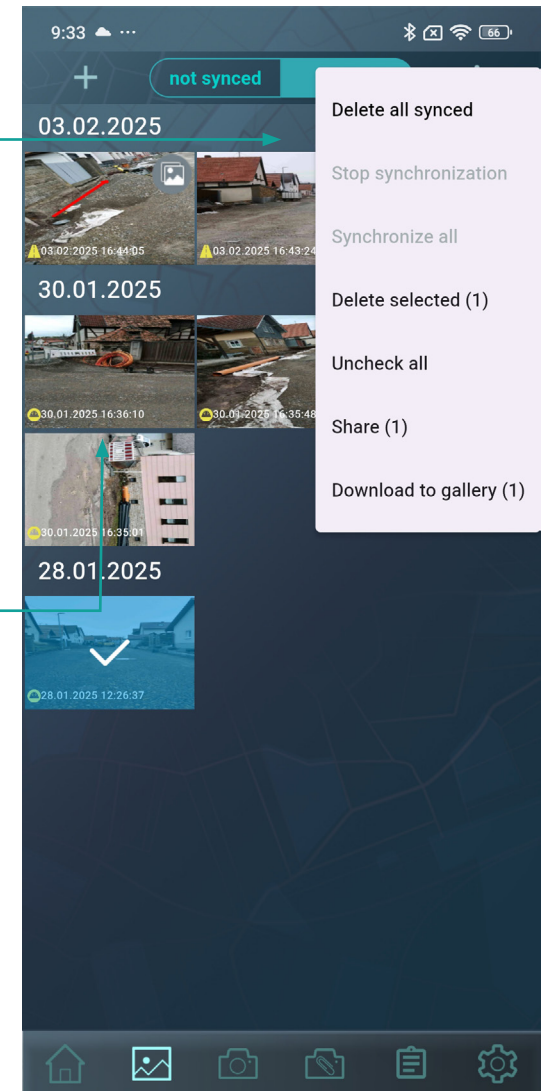
Original description: Langmatz EK 338

User: simon.bangert@ngn-itsolutions.eu
(Simon Bangert / NGN)

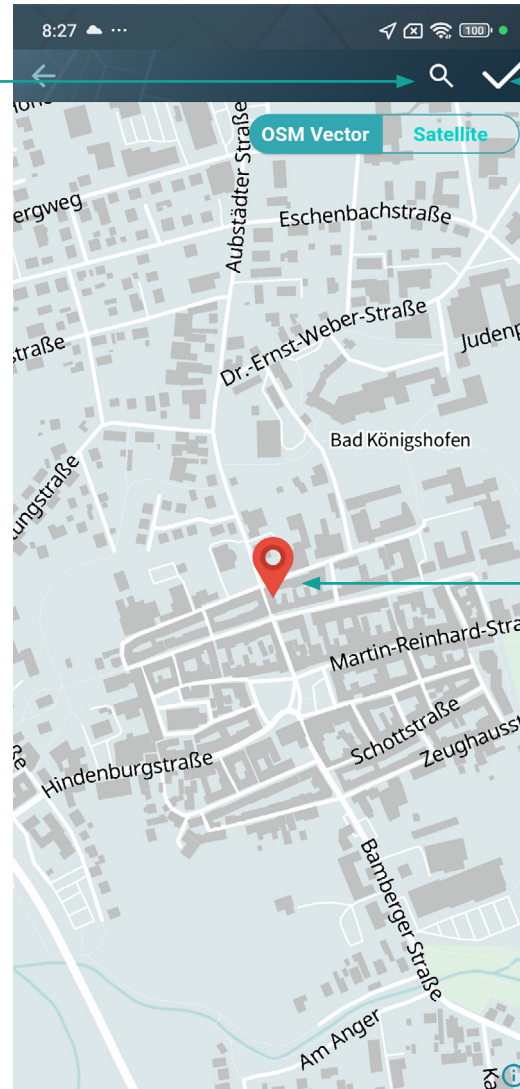
Labels: Schacht, Muffe



- manual uplad
- 3-dot menu with more options
- long tap selects one or more photos
- tap photo = view photo



manual upload



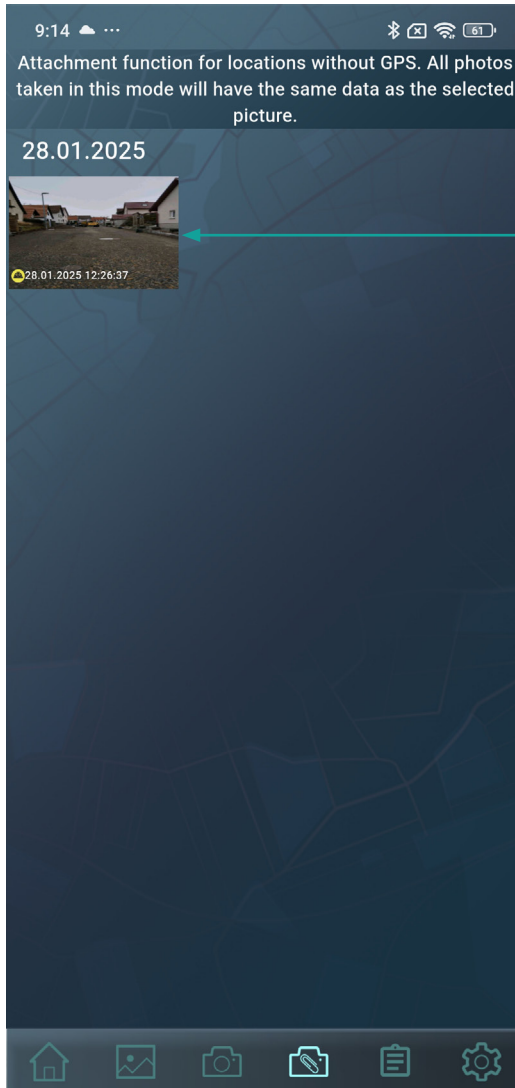
If there are no coordinates stored in the metadata of the photo, a location must be assigned

save

change map view

if a location is already assigned to the photo, it is displayed on the map

attachment function

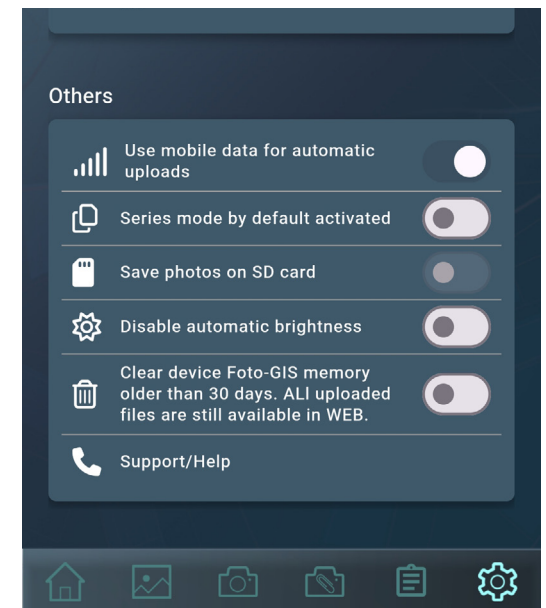
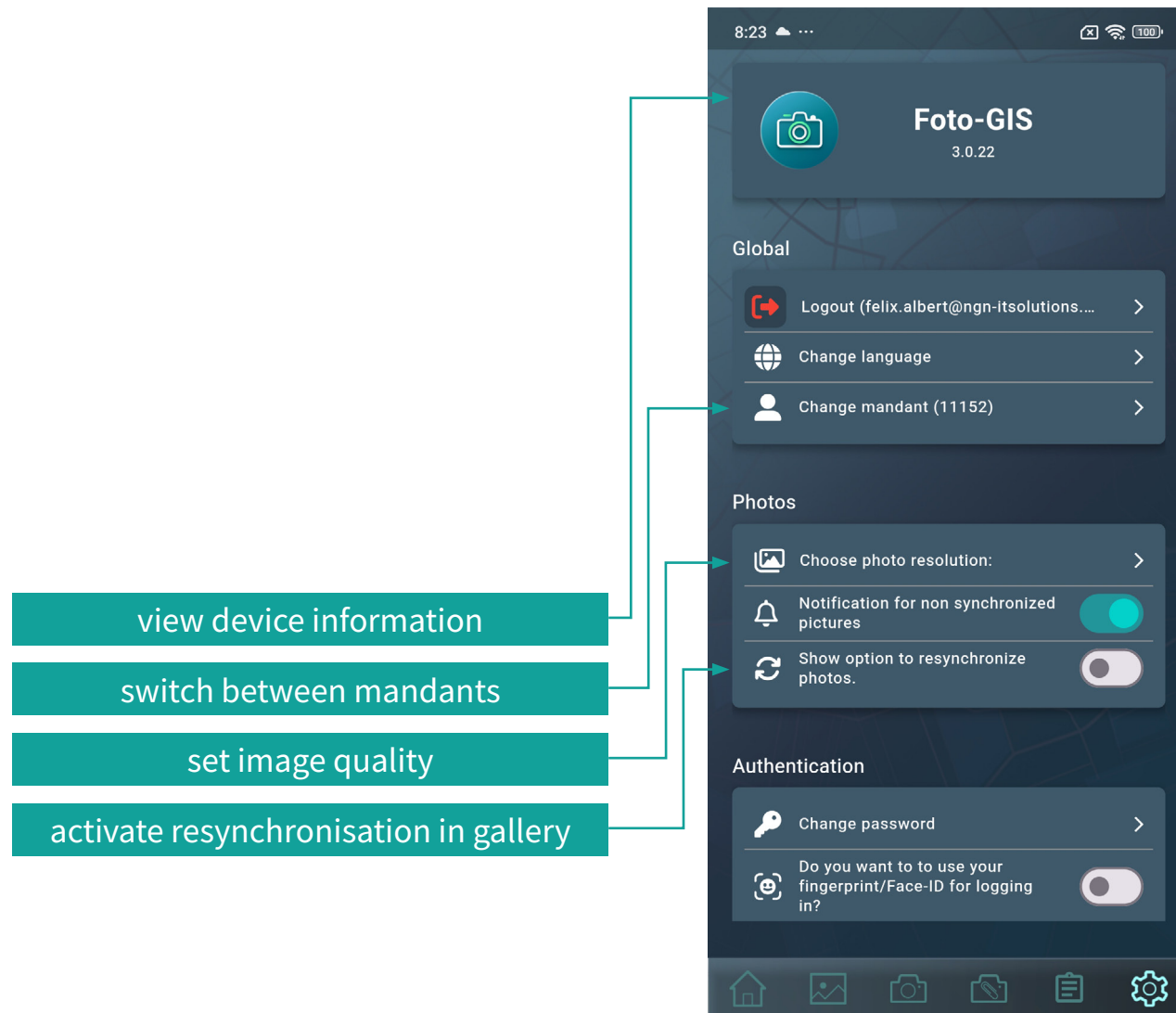


choose reference photo

choose photos from device gallery

take new photos (without GPS)





standard user roles

user role	summary rights	APP access	user management	role management	access to photos	photo management	delete photos
normal user	take photos and manage their own photos	✓	✗	✗	own	✓	✗
external user	take photos and manage all photos in mandant	✓	✗	✗	all	✓	✗
team leader (group leader)	take photos, manage their own photos as well as photos from users assigned to their group	✓	✗	✗	own and assigned	✓	✗
mandant admin	take photos, manage all photos in mandant and administrator functions	✓	✓	✓	all	✓	✓
customer	view shared photos in assigned projects	✗	✗	✗	shared in assigned projects	✗	✗
region supervisor	take photos, manage their own photos as well as photos in assigned projects	✓	✗	✗	own and assigned projects	✓	✗

customer support

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