Mobile Demo Kit

INSTALLATION MANUAL - Q4/2024

Blyott | REMOTE INSIGHTS

Mobile Demo Kit components

The Mobile Demo Kit contains the following components:

(1) Bluetooth Mobile Locator (BT-M1)

(2) Bluetooth Tags (BT-BS or alternatives)

(3) Blyott Cloud - demo licenses (*) (**)

(*) Your access credentials have been sent to your E-mail address. Didn't you receive these? Contact us @ support@blyott.com. Use your credentials to log-in into the Blyott Portal; link here.

(**) The demo kit comes with fully functioning licenses including access to the Blyott REST API' s and WebHooks. These demo licenses are valid for 1 year and can be renewed after this period.

1/ Location R1 = Room 1

2/ Locator A linked to R1

4/ Tag X linked to BED001

3/ Asset BED001
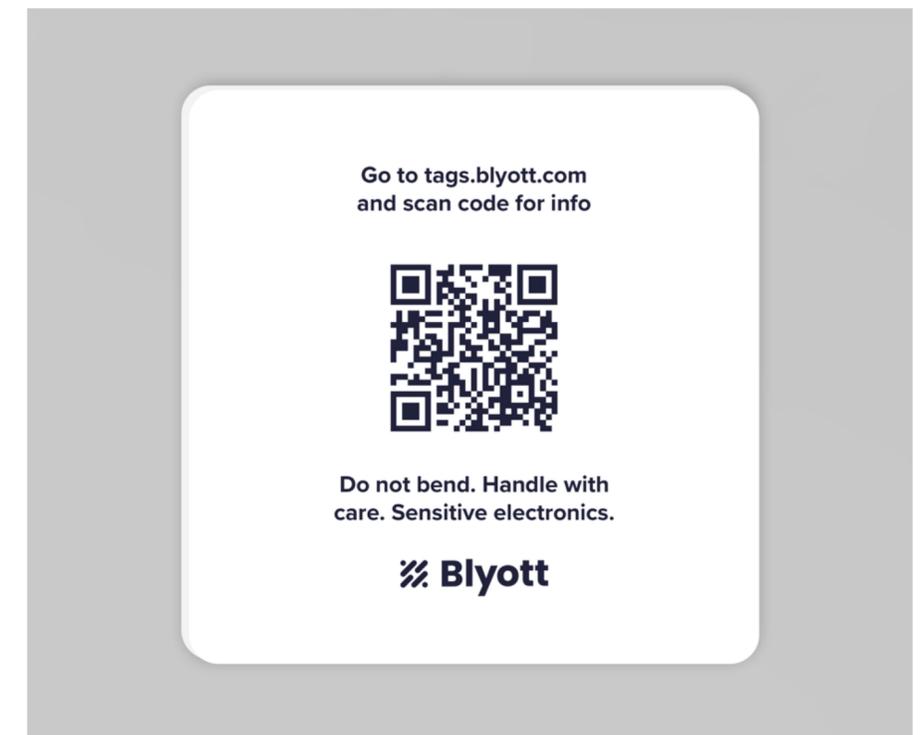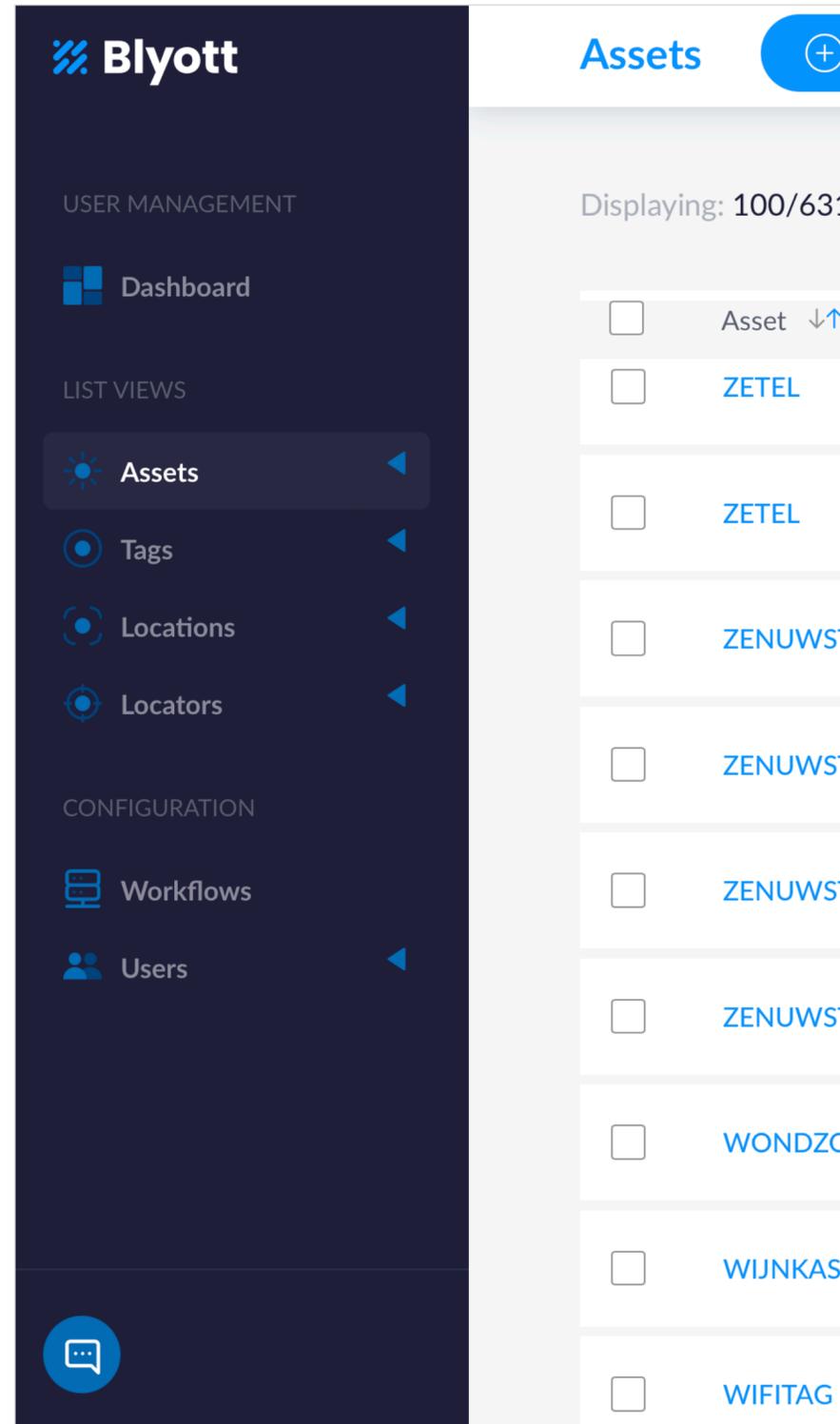
Blyott concepts

1/ Locations

E.g. different "rooms" in a hospital. Whereby every room has its own unique code e.g. "R1" and name e.g. "Room 1".

2/ Mobile Locators

The BT-M1 comes with its own unique IMEI number. The BT-M1 can be used in both "fixed" or "mobile" use cases (see further - FAQ).

3/ Assets

An asset in a hospital. E.g. a hospital bed. Every asset has its own unique code used by the hospital (e.g. BED001).

4/ BLE Tags

The BT-BS has its own unique MAC address (= QR-code). This tag is physically fixed on, and linked to, an asset.

Step 1:
Create Locations

- Go to tab "Locations"

- Click on the "+" sign to add a new location

  ▸ Location = name of the room; e.g. Patient Room 1

  ▸ Code = internal code of the room; e.g. R1

  ▸ Status = choose "In Use" as standard value (e.g. "patient room = in use" whereby "storage room = available")

- Click on Save

  ▸ Repeat the process; for the demo enter at least as many locations as you have BT-M1's.

  ▸ **Remark:** *the "Mobile Demo Kit" is already pre-configured.*
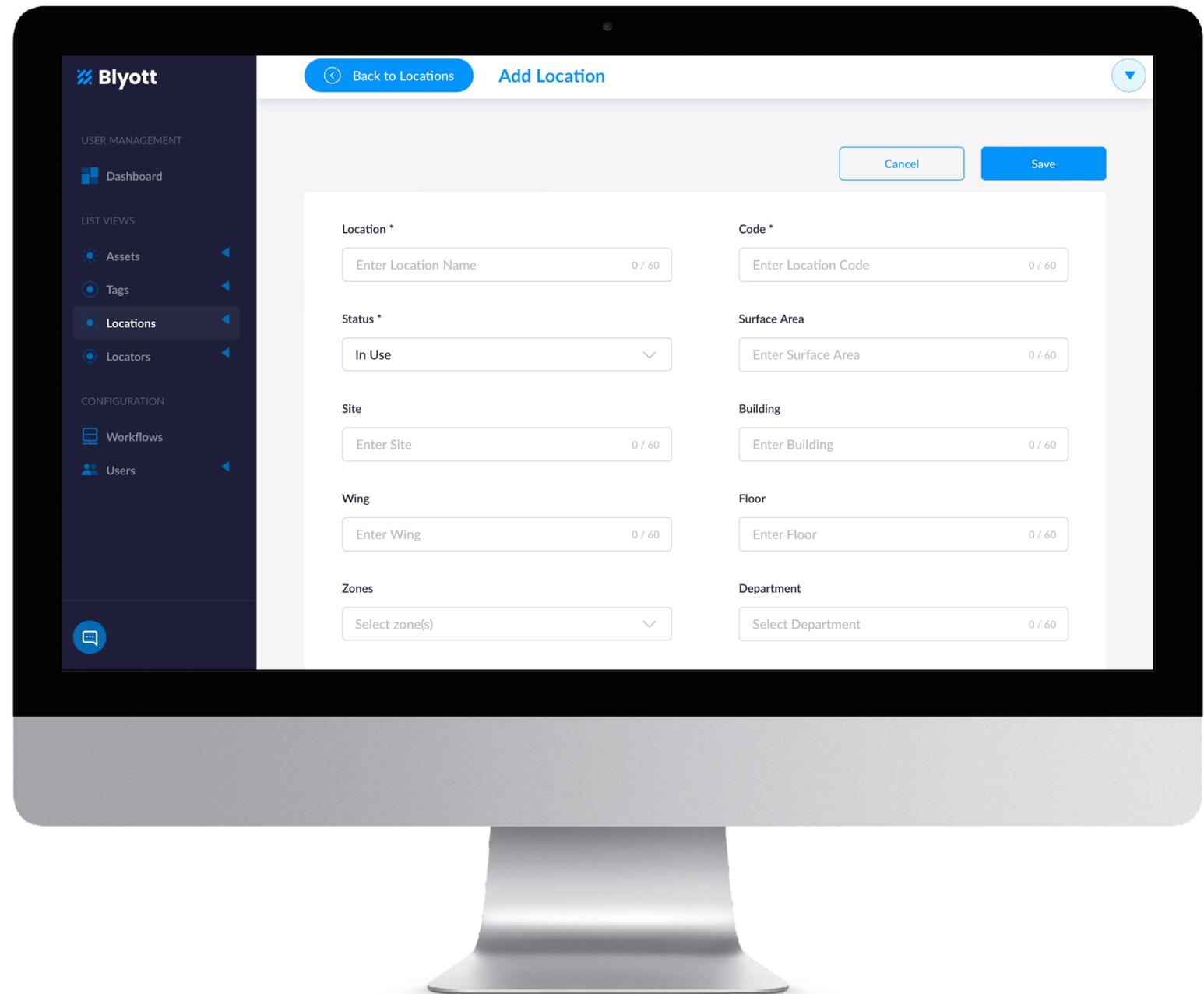
Step 2:
Create Locators

- Go to tab "Locators"

- Click on the "+" sign to add a new locator

  ▸ Locator = name you give to the locator; e.g. Locator 1

  ▸ ID = IMEI number as indicated on the front of the BT-M1.

  ▸ Type = choose "Fixed" as standard value

  ▸ Location = select one of the Locations you defined

  ▸ Hardware Model = select BT-M1

  ▸ Serial Number, IMSI, IMEI = leave empty

- Click on Save

  ▸ In case the Locator is installed in a moving vehicle, select for "Type = Mobile". Now the location will be calculated using the built-in GPS modem of the BT-M1. See also FAQ.

  ▸ **Remark:** *the "Mobile Demo Kit" is already pre-configured.*
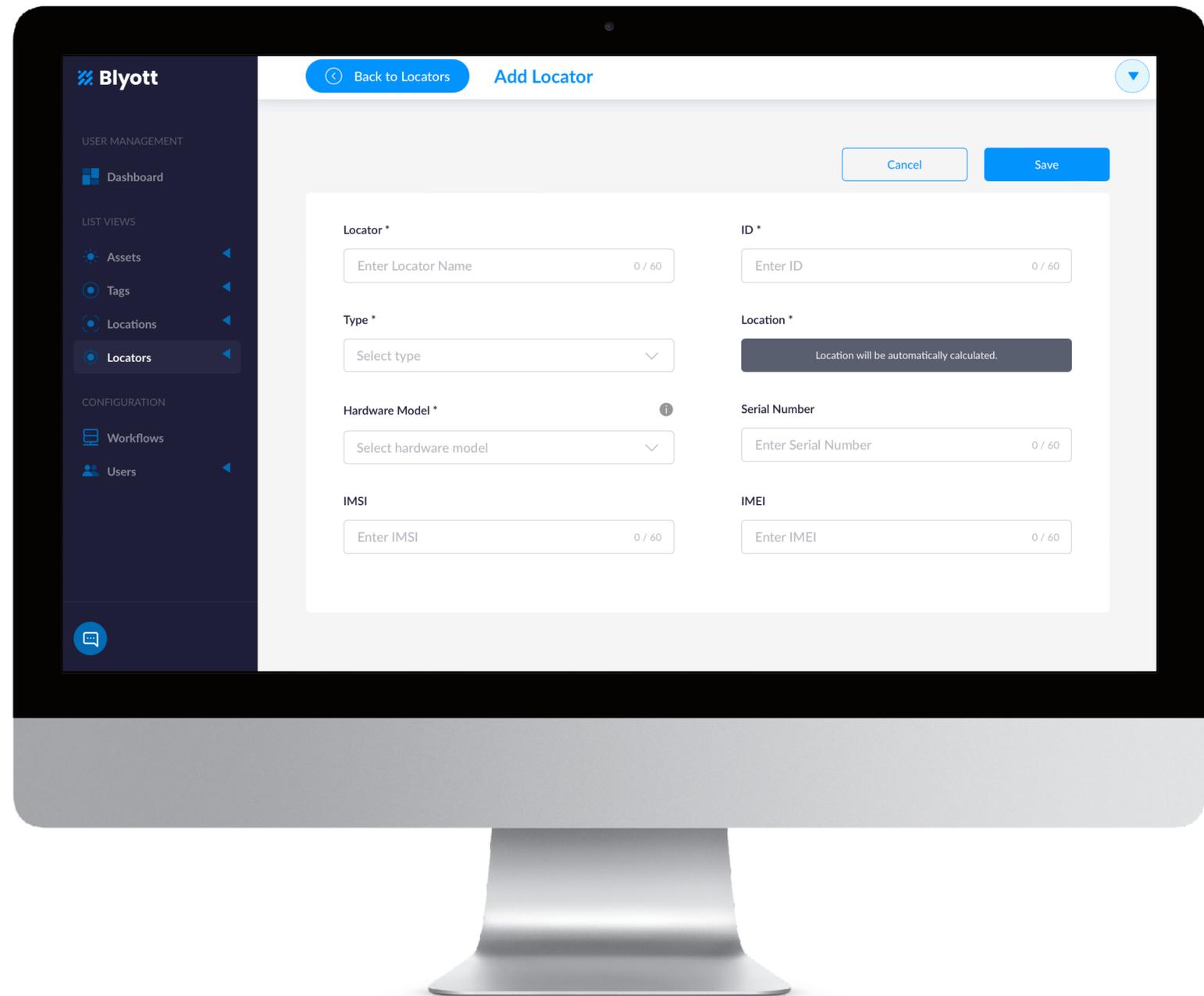
Step 3:
Create Assets

• Go to tab "Assets"

• Click on the "+" sign to add a new asset

▸ Asset = name of the asset; e.g. Bed 001

▸ Access Levels = select "all"

▸ Code = enter e.g. the unique barcode of the bed

▸ Tag Assigned = leave empty

• Click on Save

▸ Repeat the process; for using the demo enter at least as many assets as you have BT-BS's.

▸ Assets can also be added via the "mobile app"; cf. "Step 5".

▸ **Remark:** the "Mobile Demo Kit" is already pre-configured.
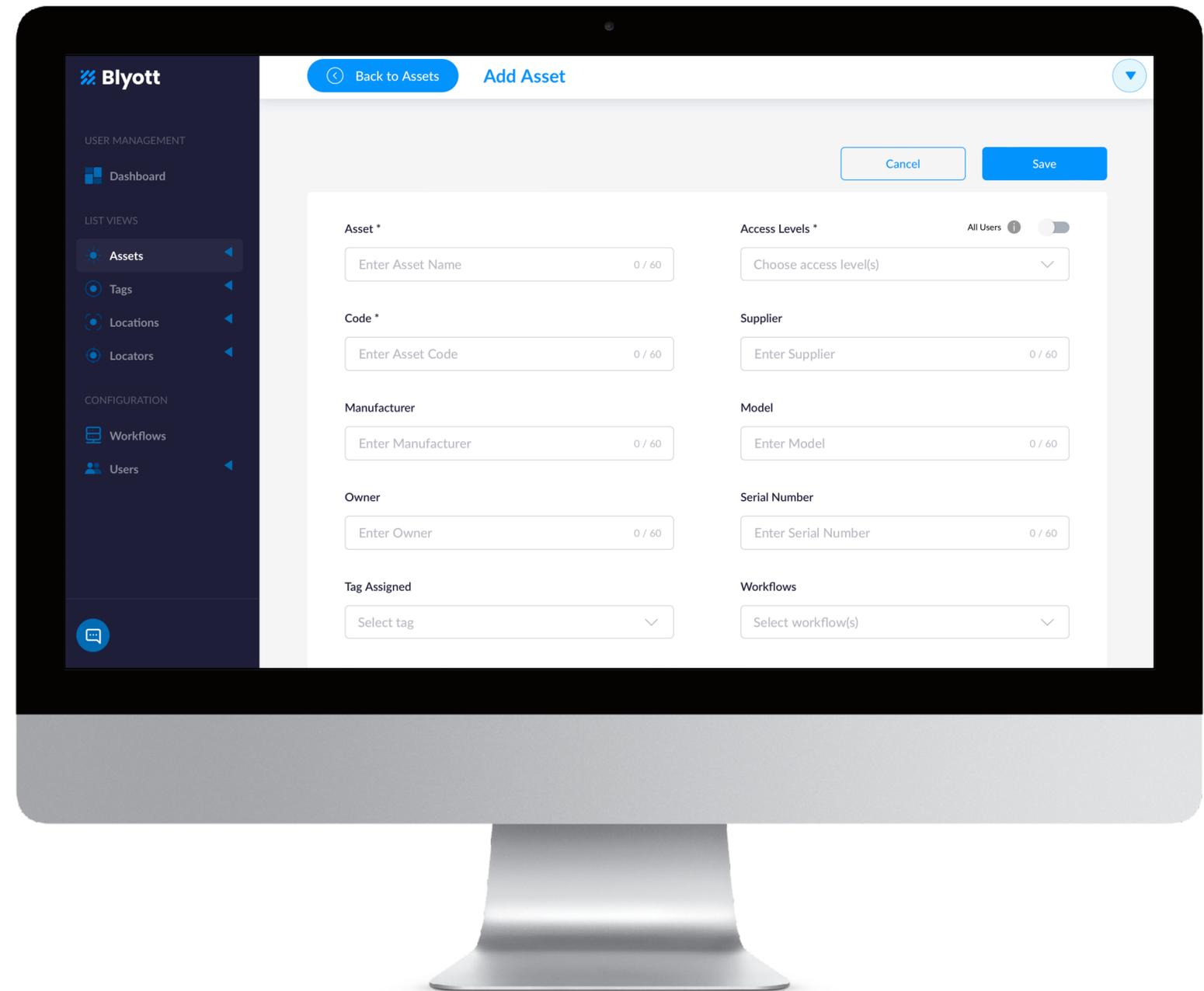
Step 4: Activate Locators & Tags

- Activate the BT-M1 locator

  ‣ The BT-M1 is pre-configured and works out-of-the-box using its built-in GSM & GPS modems and BLE scanner. (See slide 11 if the LED lights are not flashing)

  ‣ Connect the BT-M1 to the included 110V/220V power adaptor. The built-in battery of the BT-M1 is for back-up purposes only and will last <48 hours.

  ‣ You can check the connection status per device via the Blyott portal. On the device: one blinking light means "*powered on, connected to the Blyott portal and sending data*".

  ‣ Dependent on your BT-M1 configuration, updates to the Blyott Cloud platform are sent every 3-5min.

- Activate the BT-BS tags

  ‣ Cut the top-left protruding tab.
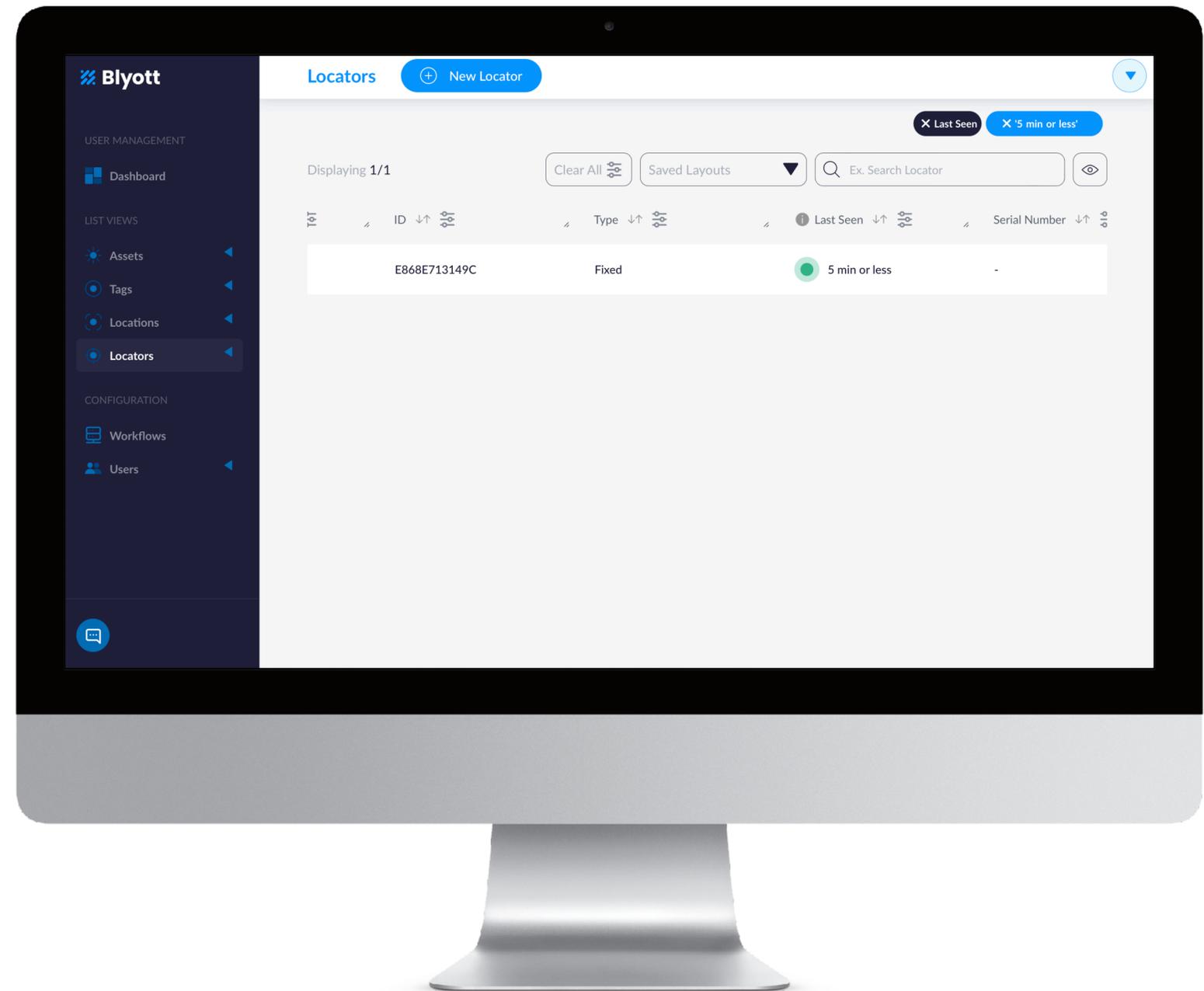
Step 5:
Mobile App

• Download our Mobile App

  ‣ Available in both the Apple App Store and the Google Play Store under the "Blyott" brand-name

  ‣ To log-in: use your existing Blyott credentials.

• Link Asset to Tag

  ‣ Take one of the BT-BS tags and fix the tag on an asset, e.g. Bed 001.

  ‣ Click "Link Asset" in the mobile app. Scan the QR-code of the tag (= Tag ID). Scan the Barcode of the asset (or enter e.g. bed001 manually) (= Asset Code). Click the "Link Asset" button.

  ‣ The tag is now linked to the asset. You can now search for your assets by clicking the "Search Asset" button.
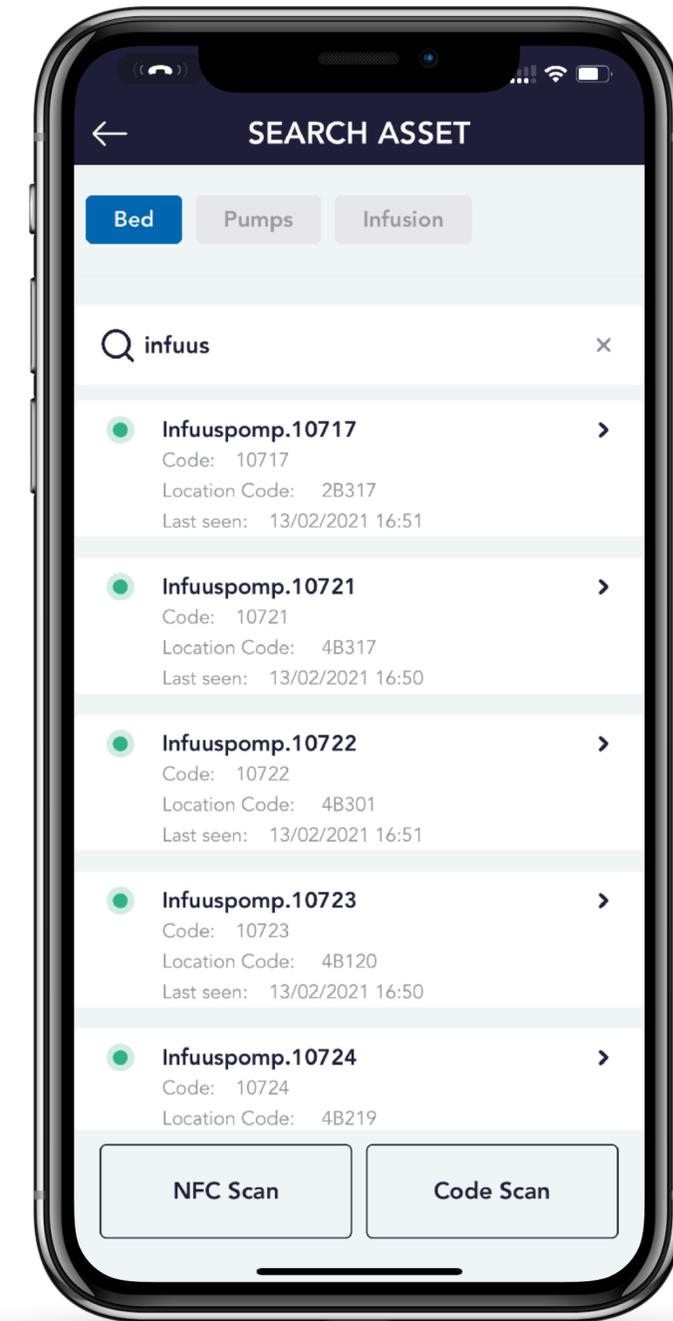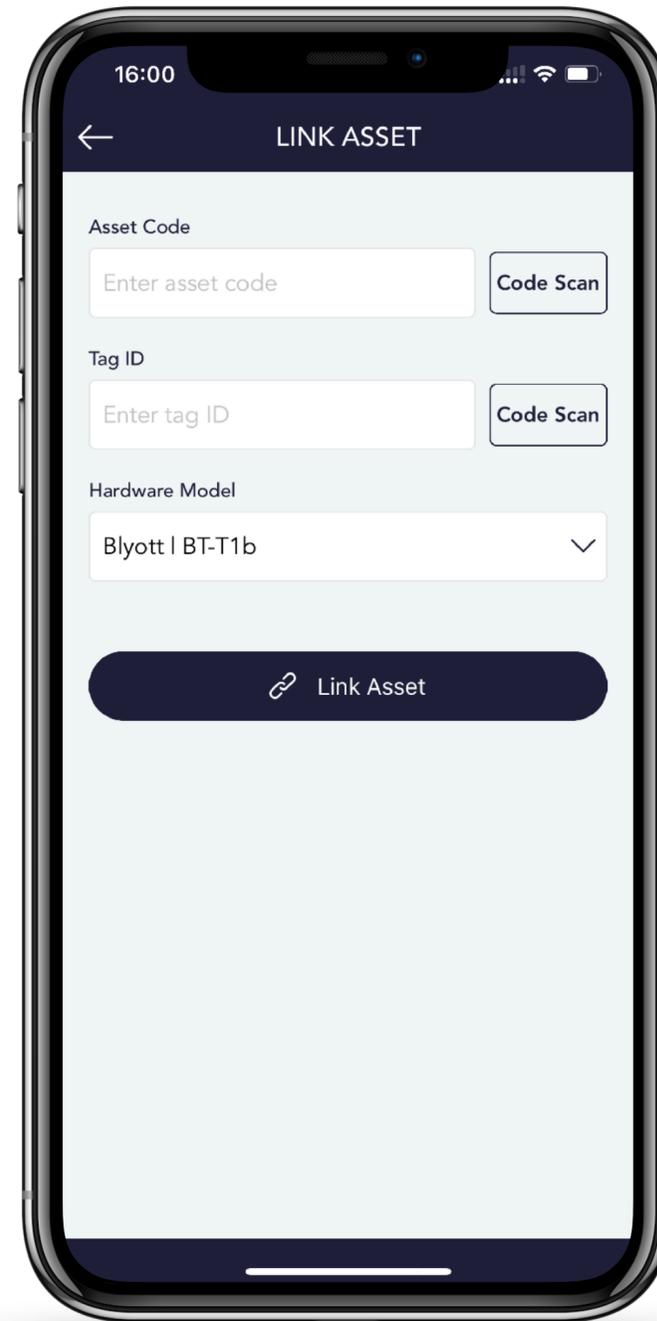
Frequently Asked Questions (1/2)

• Bulk Down- and Upload?

   ▸ Yes. Via the Blyott portal you can down- and upload many items at the same time (e.g. assets, locations, locators, …). We also have Excel templates to facilitate the onboarding process.

• 3rd Party App Integration and Alerts?

   ▸ Yes. Via our REST API's and WebHooks is it possible to integrate many features in existing applications. Check out our API's here or support site here.

   ▸ Via the "webhooks" menu option in the Blyott portal you can create your own alerts (e.g. when tag leaves a zone, when T° is too high, …).

• Sensors & 3rd Party Tags?

   ▸ We have a wide variety of tags and sensors. Consult our marketing portal here.

   ▸ It is possible to integrate 3rd party tags with our cloud platform.

Contact us for more information @ support@blyott.com
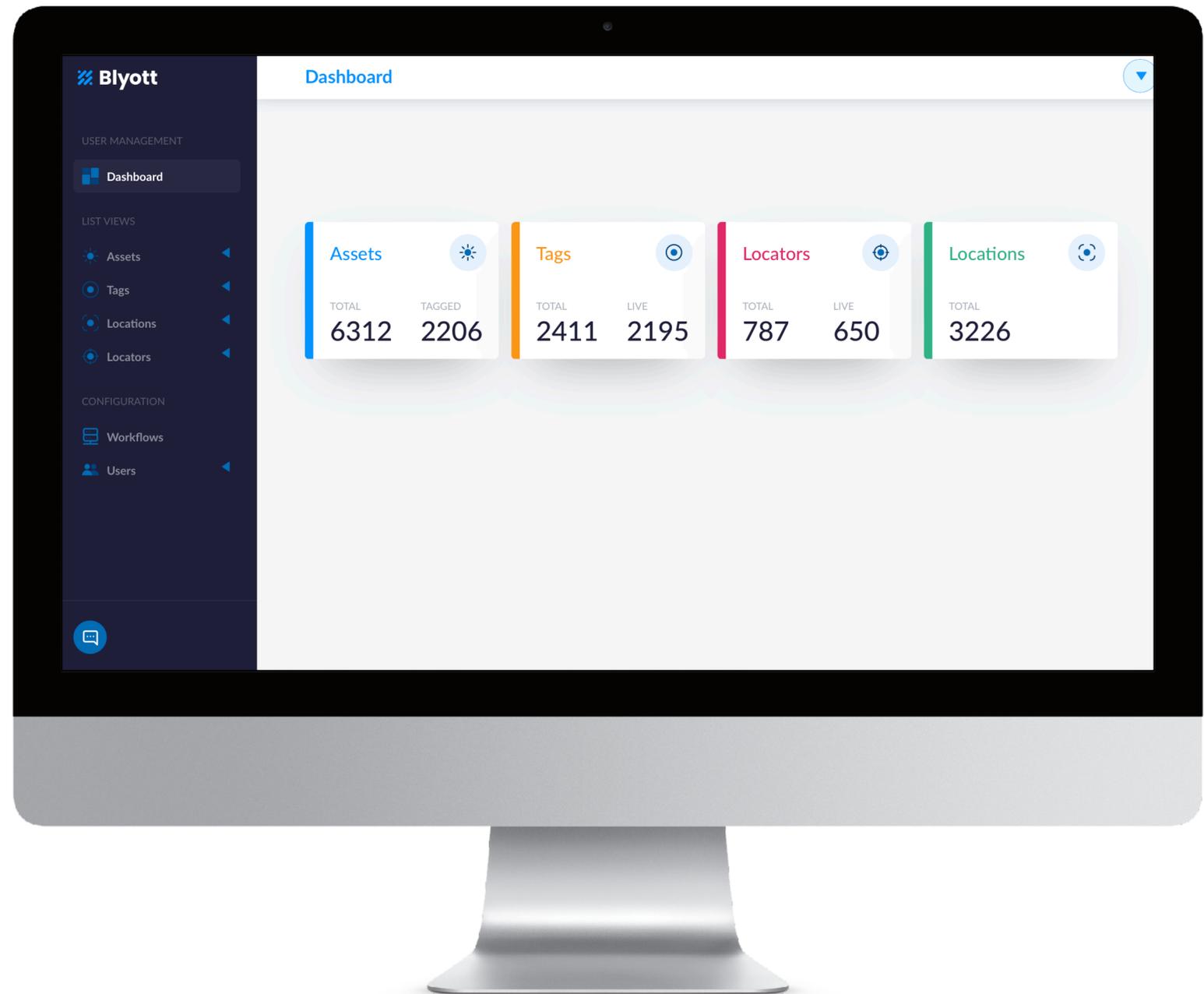
Frequently Asked Questions (2/2)

- "Fixed Use Case"?
  - ▸ In this use case, the BT-M1 is installed in and linked to a "fixed" location, e.g. a storage room in a hospital. If the BT-M1 sees a tag in this room, on the Blyott platform the location of this tag will be the location where the BT-M1 has been installed.

- "Mobile Use Case"?
  - ▸ In this use case, the BT-M1 is installed in a "mobile" location, e.g. an ambulance. If the locator sees a tag in this vehicle, on the Blyott platform the location of the this tag will be the actual location of this vehicle based upon the GPS coordinates received by the locator. If no GPS coordinates are available, e.g. when parked underground, the location will be "unknown".

- "Mobile Data"?
  - ▸ The BT-M1 includes a SIM card which works in all EU28 countries + US and Canada. The Blyott demo kit license includes mobile data usage.
  - ▸ Contact support@blyott.com to check if the BT-M1 works in other countries.

| General Info | Custom Info | Tag Details | Activity Details | Edit |

Asset
kchl lab bak 2

Code
K2

Current Location
Mobiel3 | Wagen 3
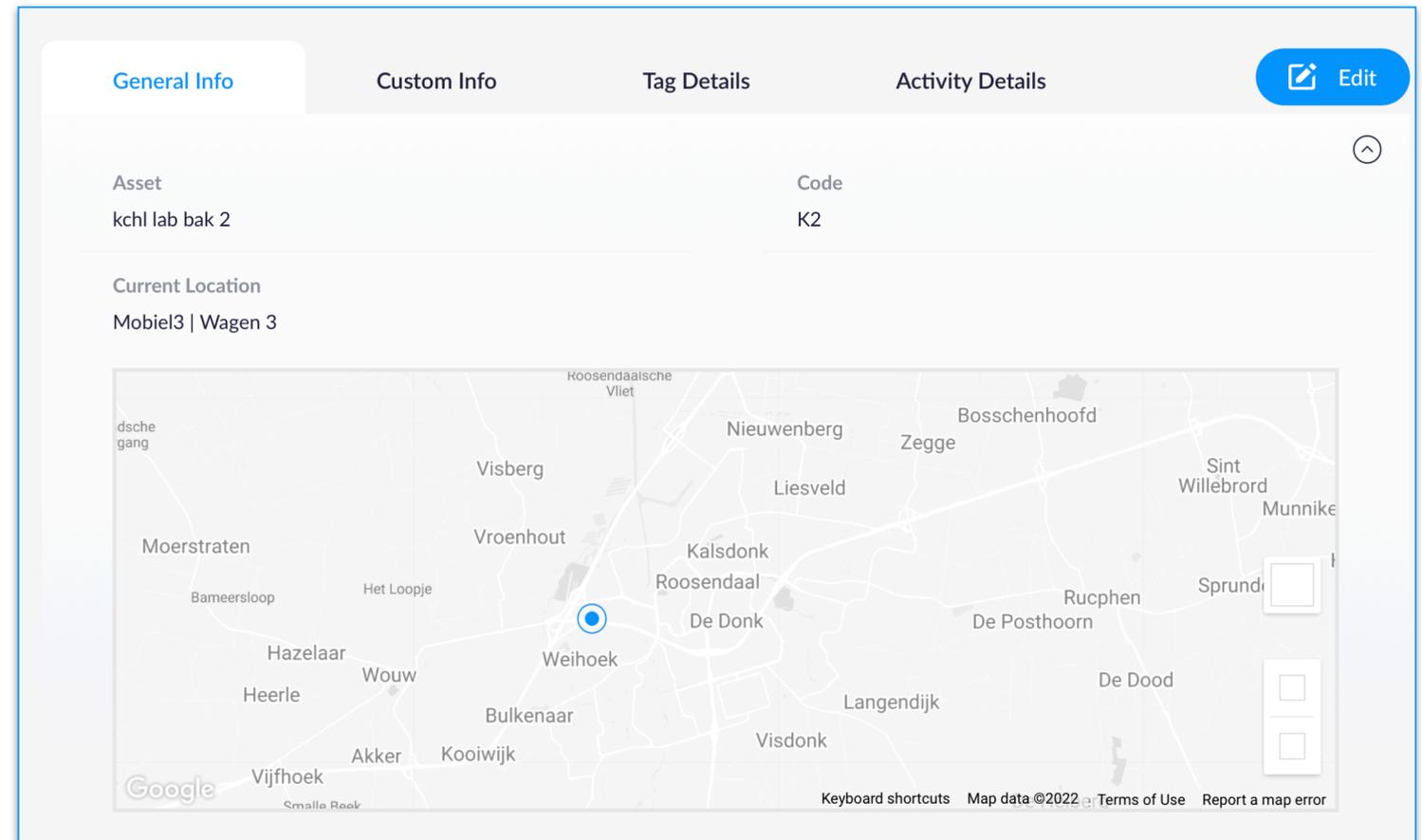
Example of the Blyott portal displaying the actual location of an asset based upon the GPS coordinates of the BT-M1. Via the Blyott REST API's you can retrieve the different locations (GPS coordinates) where an asset has been over a certain period of time.

To activate the Blyott Mobile Locator (M1)

- Active or Not?
  - In most cases, when shipped, the device is already activated. Either the LED lights are on, or the lights start flashing when the device is plugged in.
  - In some cases, such as when air freight restrictions apply, the device is not activated.

- How to activate?
  - If the device is not activated, follow these steps:
    1. Plug the device in.
    2. Use a strong magnet and move it three times away from the Hall sensor located on the left side of the device (refer to the picture on the right).
  - The LED lights should start flashing, indicating that the M1 is "on." From now on, if the battery becomes empty and the device is plugged in, it will automatically turn "on." There is no need to repeat this procedure, as doing so will turn the device off again(!).

Use a strong magnet and move it three times near the Hall sensor on the left side of the device. This will activate the device.

LED lights on the Blyott Mobile Locator (M1)

• The LED lights on the Blyott Mobile Locator indicate various device statuses, such as power, firmware, network, and GPS conditions.

• Each light pattern corresponds to a specific status:

▸ Power Supply (Blue LED): Indicates external power, battery status, or charging progress.

▸ Power On/Off (Green LED): Displays power states like "on," "off," or "hall switch detection."

▸ Network & GPS (Green/Blue LEDs): Show connection progress, GPS fixes, or errors.

LED DESCRIPTION	STATUS	DEF
Power supply status (BLUE)	On	Powered by external DC power
Power supply status (BLUE)	Off	Powered by internal battery
Power supply status (BLUE)	Slowly flash every 2 seconds	Battery voltage is low
Power supply status (BLUE)	Slowly flash every 5 seconds	Battery is charging
Power supply status (BLUE)	Quickly flash for 5 seconds (flash every 500 milliseconds)	Battery is fully charged
Power on/off status (GREEN)	Quickly flash for 5 seconds (flash every 500 milliseconds)	Power on
Power on/off status (GREEN)	Keep on for 5 seconds	Power off
Power on/off status (GREEN)	Flash once	Hall switch detected
Cellular status (GREEN)	Slowly flash every 2 seconds	Network connecting
Cellular status (GREEN)	Quickly flash every 500 milliseconds	Server connecting
Cellular status (GREEN)	Keep on for 5 seconds	Server connected
GPS status (BLUE)	Slowly flash every 2 seconds	GPS fixing
GPS status (BLUE)	Keep on for 5 seconds	GPS fix succeed
GPS status (BLUE)	Quickly flash for 5 seconds (flash every 500 milliseconds)	GPS fix failed

FCC statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user 's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Information (MPE)

This device has been tested and meets applicable limits for Radio Frequency (RF) exposure.

This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

Big Savings
Happy Staff

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