



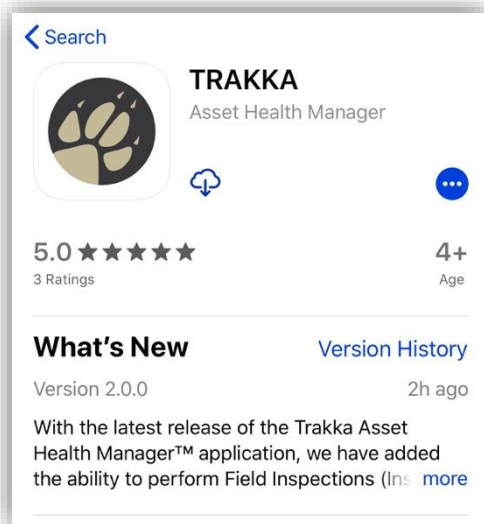
TRAKKA® INSPECT

TRANSFORM INSPECTIONS INTO ACTION

TRAKKA® INSPECT – TRANSFORM INSPECTIONS INTO ACTION

TRAKKA Inspect™ is a mobile, end-to-end solution for field inspection data capture and analysis. This powerful app enables technicians to capture images, along with notes and ratings, on their mobile devices while physically inspecting equipment. The app functions online and offline, allowing users to collect data from any location. Once online, all observation data flows directly into Trakka®, Dingo's proprietary predictive maintenance software, allowing a centralized expert to review and analyze this information. When coupled with Trakka's ERP integration framework, issues identified in the field can easily be uploaded into Trakka and then automatically posted to your ERP system as a Notification, so the corrective work can be quickly scheduled and completed.

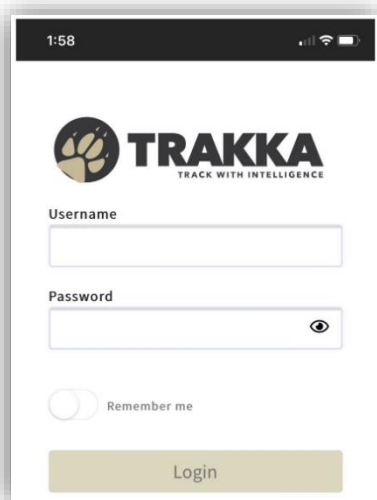
INSTALL THE APPLICATION



DOWNLOAD THE APP

Search for the “Trakka” App in the Apple App store or Google Play store and download it to your device.

Once installed, click on the Trakka app.



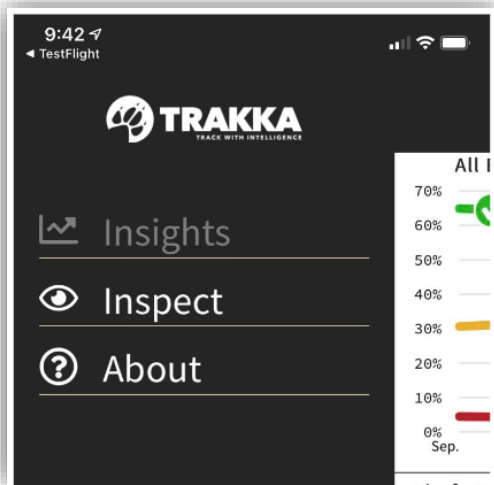
ENTER YOUR LOGIN INFORMATION

Log in using your Trakka username and password.

Turn on *Remember Me*. This feature will also enable you to use the application in offline mode, when there is no network connectivity. With Remember Me turned on you can safely close the app or switch to another app and be able to come back to where you left off.

Note that if you select Logout from the Menu it will clear your credentials, this will allow a different user to use the app with their credentials.

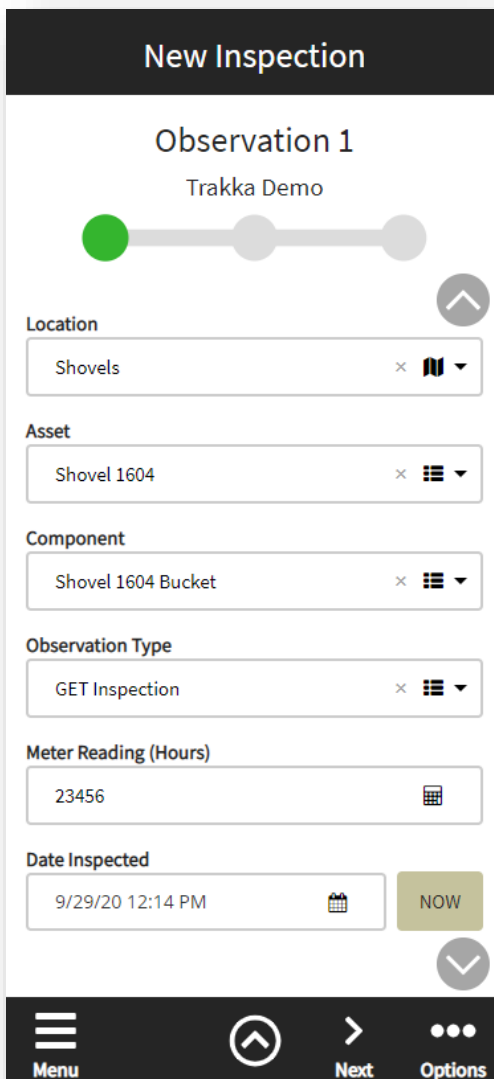
USING THE APP



SELECT THE INSPECT MODULE

After logging in, use the Menu item on the bottom left to access the navigation menu. To perform inspections, choose the *Inspect* option.

If the *Inspect* option is not selectable, you will need to contact your Trakka administrator to gain access.



SELECT THE COMPONENT AND OBSERVATION TYPE

The first screen of a new inspection record is for entering information about the Asset and Component being inspected as well as the observation type for the data being collected. You must complete all fields before you can move to the next screen:

Location – Select the proper location from a list of prepopulated Trakka locations. The available list is determined by any Visibility restrictions that are placed on your Trakka user account.


Asset – Select the Asset being inspected. This list will be filtered by the Location selection.

Component – Select from the prepopulated list of components which are related to the previously selected Asset.

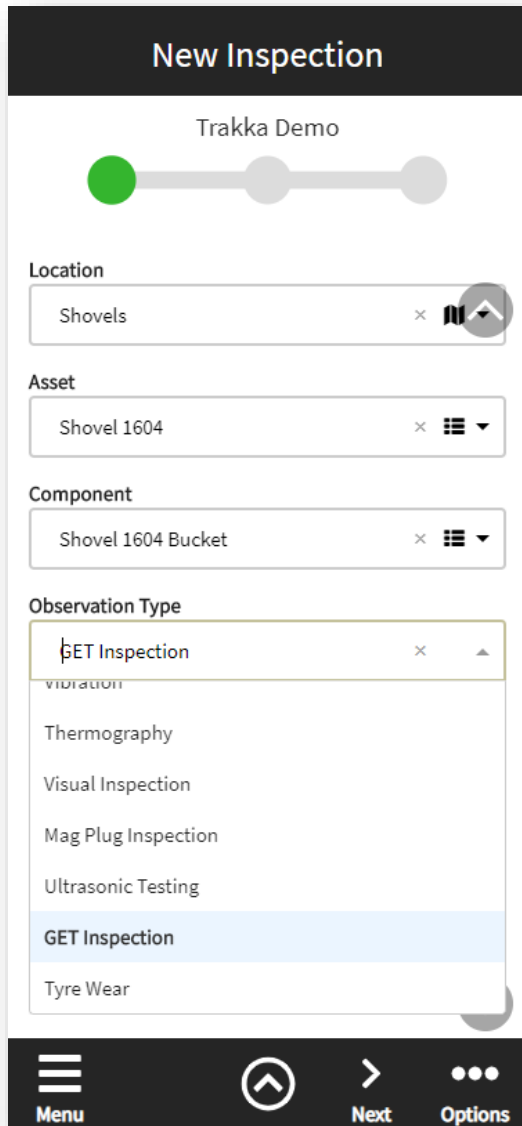
Observation Type – Select the type of Observation you are conducting e.g. Mag Plug. See below for more detail.

Meter Reading – Enter the current Asset meter. The latest meter reading from Trakka will auto populate if the preference “Use Latest meter reading as default” is configured in Trakka

Date Inspected – Enter the inspection date. It will default to the date/time when the inspection form is opened.

If you need to restart, use the Clear option from the Quick Action Menu at the bottom center of the screen. 

Once all fields have valid entries, you can tap the Next arrow in the footer.



New Inspection

Trakka Demo

Location: Shovels

Asset: Shovel 1604

Component: Shovel 1604 Bucket

Observation Type: GET Inspection

Observation Type dropdown options:

- GET Inspection
- Vibration
- Thermography
- Visual Inspection
- Mag Plug Inspection
- Ultrasonic Testing
- GET Inspection
- Tyre Wear

Menu Next Options

SELECT THE OBSERVATION TYPE

Use the drop down to select the Observation Type you are collecting data for. It is possible to perform multiple inspections and you will come back to this screen for any other inspections performed on this asset

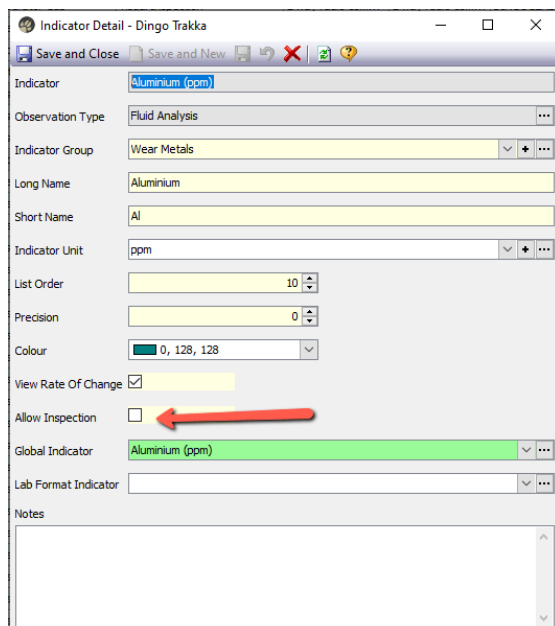
Observation types available for all components

- **Filter Inspection** – Inspection of filter media.
- **Visual Inspection** – Any type of visual inspection, not specifically for filter media or magnetic plugs.
- **Mag Plug Inspection** – Inspection of magnetic plugs.

Other Observation types could be available in this dropdown, it depends what Observation Types have been activated for the site. If you don't see the Observation type you need, contact your Trakka administrator. Examples of other Observation types and their uses;

- **GET Inspection** – Inspection of ground engaging tools such as dozer blades, bucket teeth, undercarriages etc
- **Thermography** – Any type of inspection that captures temperature readings
- **Ultrasonic Testing** – any inspections using ultrasonic measurement tools, such as truck tray/bed thickness, liner thickness etc
- **Tyre Wear** – measurement of tyre tread depth/thickness

Trakka can be setup to accept any time series data, and Observation types can be used to group that data



Indicator Detail - Dingo Trakka

Save and Close Save and New

Indicator: Aluminium (ppm)

Observation Type: Fluid Analysis

Indicator Group: Wear Metals

Long Name: Aluminium

Short Name: Al

Indicator Unit: ppm

List Order: 10

Precision: 0

Colour: 0, 128, 128

View Rate Of Change: ☒

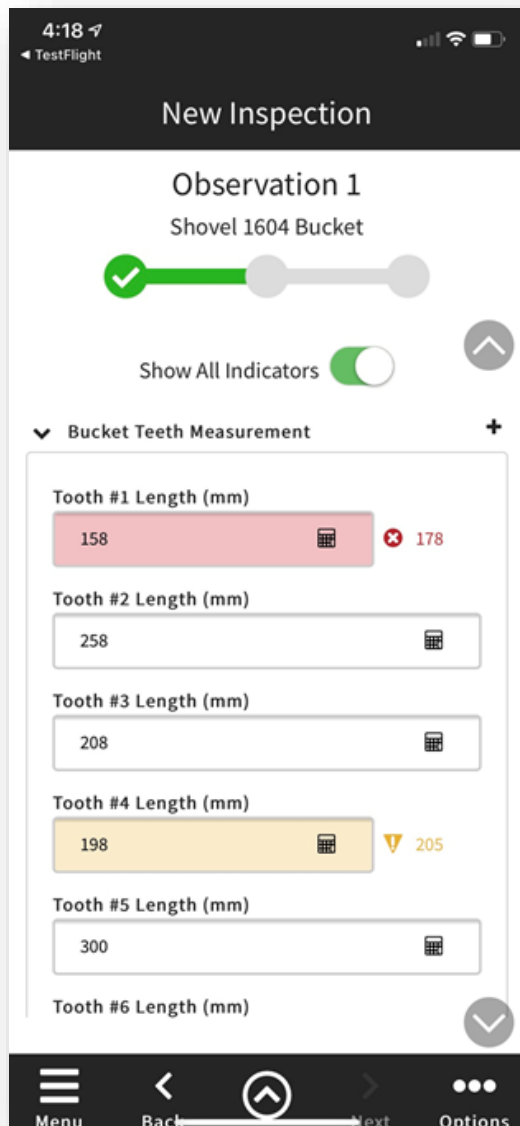
Allow Inspection: ☐ (indicated by a red arrow)

Global Indicator: Aluminium (ppm)

Lab Format Indicator:

Notes:

To make an Indicator available in the app for data collection, ensure the "Allow Inspection" checkbox is ON in Trakka. This can be located in Profiles & Lists > Indicators > Indicator detail form



CAPTURE ANY DATA MEASUREMENTS

This next screen is for entering the Inspection measurement details and contextual information for this Observation.

Show All Indicators – This toggle will change the list of Indicators that are displayed.

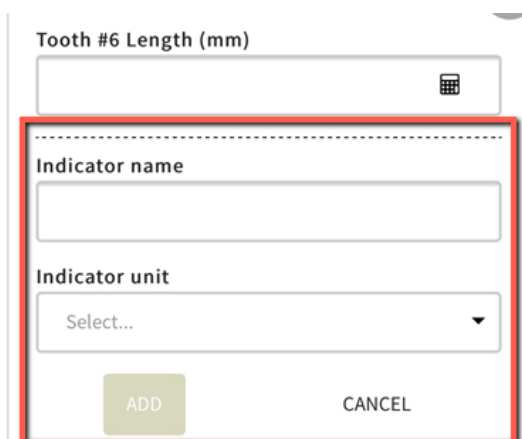
- **OFF** – only indicators for that observation type and the component profile will be listed. This helps focus the list to what is usually collected for that type of component
- **ON** – all indicators on the site for that observation type will be listed. This is useful when thinking about adding a new indicator, you can check the list of existing indicators to see if it already exists.

Indicator value field – there are a number of features of the field that measurements are entered for each indicator;

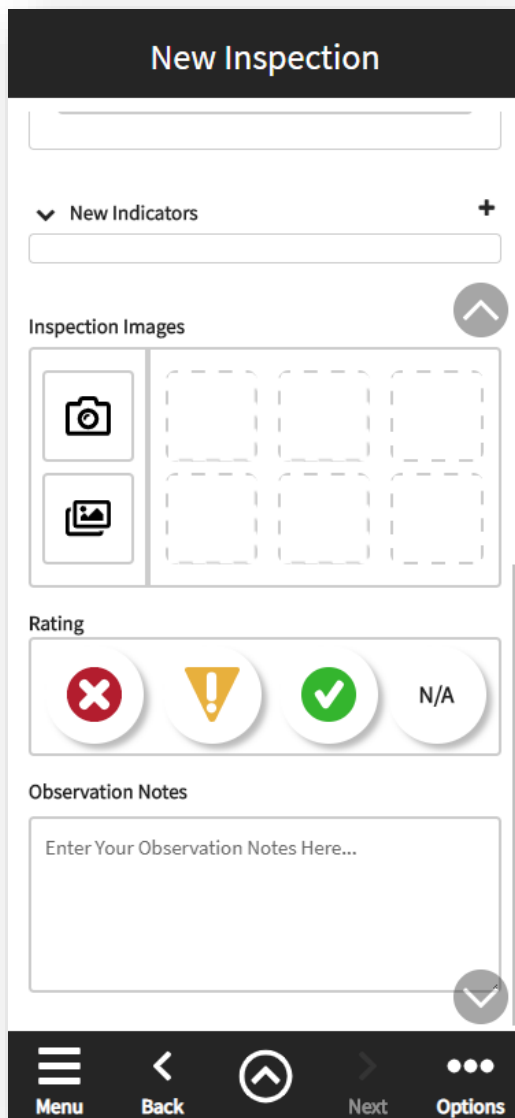
- **Last Value** - If the device is online (connected to internet) then the app will retrieve the most recent value for each indicator listed and display in faded italic font. This helps the inspector see what the last collected value was. Once you start typing the value disappears
- **Trakka alerts** – Trakka alerts are available on the device and each entered value is compared to those alerts and if a limit is reached, the field will change color and the alert value will be shown to the right of the field

Indicator Groups – each list of Indicators is stored within an Indicator Group (same concept as Trakka). These groups can be expanded or closed using the control to the left of the indicator group name.

Tap the **+** icon to the right of the indicator group name to add a New indicator to that group. This will open 2 new fields that allow the user to add a New indicator for the inspection, that will be sent to Trakka when submitted.



- **Indicator Name** – this is the name for the Indicator as it will be displayed in Trakka and the App in the future. There is validation logic in the background to try and avoid duplicating existing Indicator names
- **Indicator Unit** – this is a dropdown list of existing Indicator units from Trakka.



COMPLETE THE INSPECTION RECORD

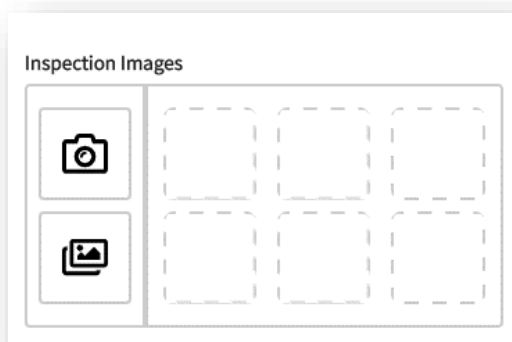
Once all the data measurements have been captured (if applicable) use the fast scroll buttons to navigate to the bottom of the page to complete the inspection record by capturing any images, adding an inspection rating and recording any notes.

Inspection Images – Tap the appropriate icon to either take a new photo using the camera or select a previously captured photo that is in the camera roll. See below for more detail.

Rating – Select the correct observation rating. See below for more detail.

Observation Notes – Enter notes related to this observation.

Once all fields have valid entries, you can either tap the *Next* arrow in the footer to advance to the next page to submit the observation/s, or tap the **Quick Access Menu** and choose *Add Observation* button to add another component observation for the current asset inspection.



ATTACH THE INSPECTION IMAGES(S)

Tap the appropriate icon so you can either take new photo/s using the camera or select previously captured photo/s from the camera roll. Multi-select of images is possible from the camera roll.

To annotate the images captured here simply tap on the image to open the annotation window

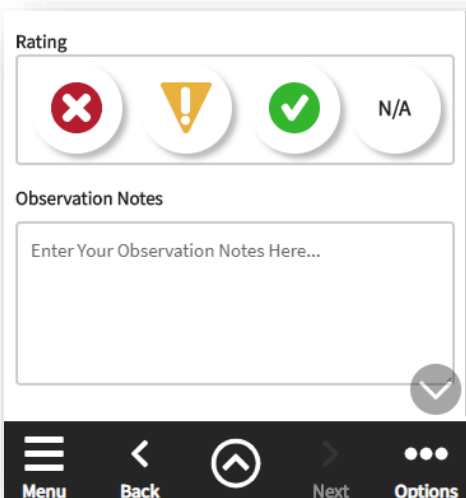


The following annotations can be added from the Annotation window;

- Arrows
- Text
- Rectangle
- Circle

These can help to add additional context and make it easy for the analyst to identify the specific issue found during the inspection

These annotations can be moved, resized, deleted, and rotated as required when annotating. Tap the tick/checkmark to save the annotations, and return you to the observation detail screen.



SELECT THE OBSERVATION RATING

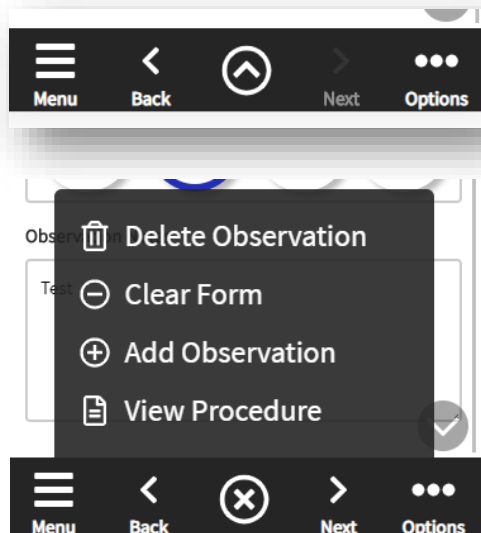
Use the icons to select the most appropriate rating for the observation.

The options are:



N/A can be selected if:

- The inspection is not possible due to the position of the component.
- Operator is not available to place equipment in correct position.
- It is not safe to inspect the equipment based on risk assessment.

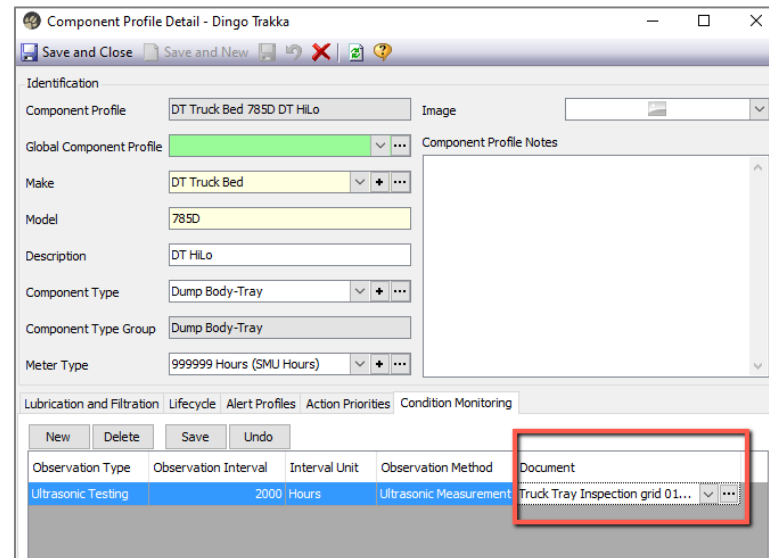


QUICK ACCESS MENU

The Quick Access menu is available at the bottom of each screen (up arrow to the right of Back). It is used to access context specific options as per below

- **Delete Observation** - If you want to delete the current observation you are creating, tap the *Delete Observation* option
- **Clear Form** – This will clear the contents of the current screen so you can start again
- **Add Observation** – From screen 2, you can choose to add another observation for the same Asset & Component
- **View Procedure** – if the currently selected Component has an inspection procedure document linked in the Component Profile screen in Trakka, it is viewable in the app by using this option. If the menu item is greyed out it means no document is available for this component and observation type.

Procedure documents can be added in Trakka in the Component Profile detail form in Trakka. In the Condition Monitoring tab, create a row record for the Observation type and add the procedure in the Document field.



Observation Type	Observation Interval	Interval Unit	Observation Method	Document
Ultrasonic Testing	2000	Hours	Ultrasonic Measurement	Truck Tray Inspection grid 01...

3:21 TestFlight

New Inspection

1 Observation to Submit

✓ ✓ ✓

To

jcitizen@acmemining.com

Message (optional)

Needs review ASAP

Menu Back Delete Submit Options

New Inspection

1 Observation to Submit

✓ ✓ ✓

To

jcitizen@acmemining.com

Message (optional)

Needs review ASAP

Inspection sent to Trakka

SUBMIT THE OBSERVATION(S)

Once all Observations have been completed for the Inspection, they can be submitted to Trakka.

To – This field is prepopulated with the distribution list recorded in Trakka. This list is maintained on the Asset record in Trakka on the Inspection App Linked *Persons* tab. Each person can select which Ratings they want to receive emails for by configuring their selection in Profiles & Lists > Persons Responsible

You can also type in additional email addresses or select them from the devices contact list.

Any email address recorded here will receive a HTML email report of the inspection details.

Asset Detail - Dingo Trakka

Save and Close Save and New

Asset ID Haul Truck 202

Description Caterpillar 797F Rear Dump Truck (Fluid, Filtergram, Visual, Onboard, Filtergram, Mag Plug)

Asset Profile Caterpillar 797F Rear Dump Truck

Serial Number LAJ00329

Condition Rating Warning

CBC Asset Group

Asset Group

Asset Group Planner

Asset Group Owner

Trakka Review Linked Persons Inspection App Linked Persons

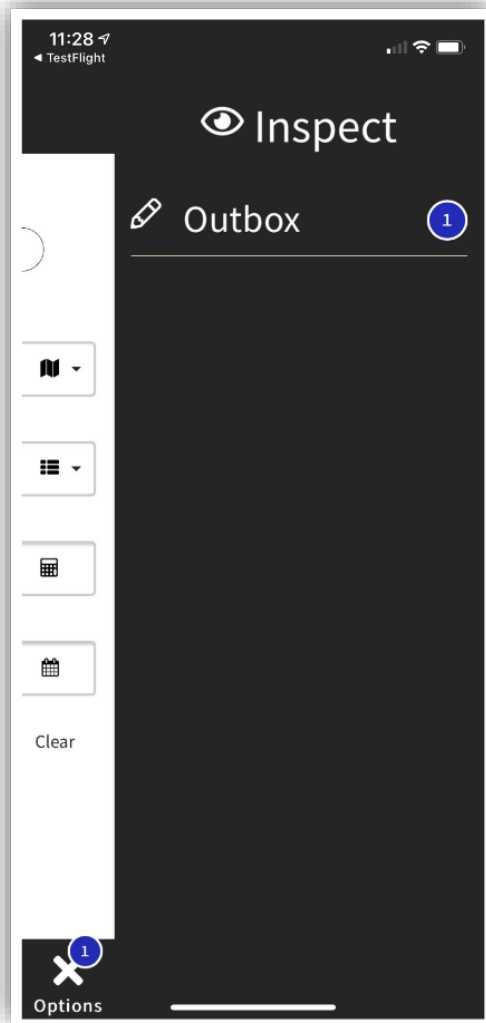
Linked Persons Responsible:

Manage Links ... John Citizen

Message – Add any additional messages that you want to appear on the HTML email report.

If you need to go back and edit anything, use the *Back* button at the bottom of the screen.

Once everything is ready, submit the observation/s by tapping the *Submit* button. Once the Inspection is successfully processed, you will see a message noting that Inspections were sent to Trakka.

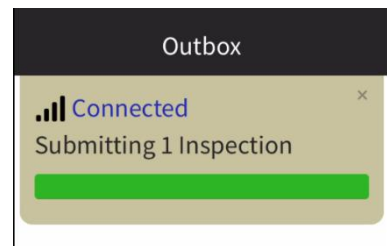


OPTIONS

Submitted Inspections are sent via the Outbox. The Outbox can be found under the *Options* menu (bottom right corner).

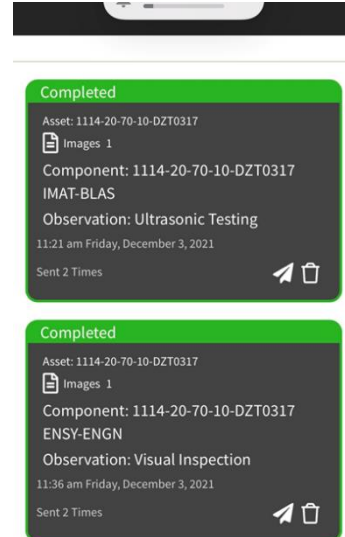
You can see the progress of Inspection submissions by going to the Outbox where the number of observations are shown in a blue circle.

Once the app is connected to the internet, it will send the Inspections to Trakka immediately and the records in the Outbox will be cleared.



OUTBOX

Submitted Inspections are saved in the Outbox for 7 days, in case there are communication/transmission issues



For more information on Dingo's industry leading predictive maintenance solutions, email us at info@dingo.com or use our [contact form](#) on [DINGO.com](https://www.dingo.com).