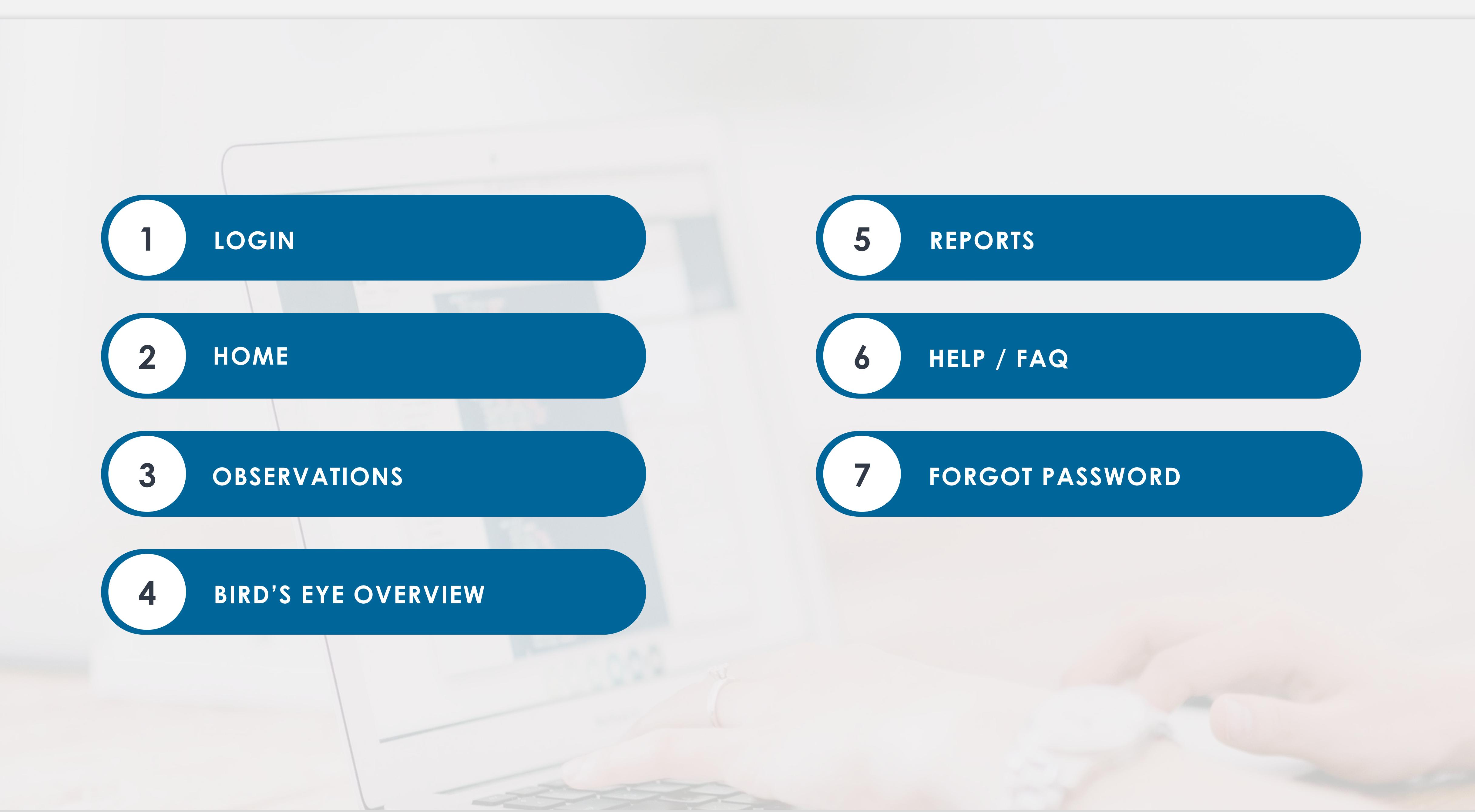




T-Pulse Safety And Surveillance

User Manual



1 LOGIN

2 HOME

3 OBSERVATIONS

4 BIRD'S EYE OVERVIEW

5 REPORTS

6 HELP / FAQ

7 FORGOT PASSWORD

Page 1(a) : Login



Login

Username

karthick.m@detecttechnologies.com

Password

.....

LOGIN

Forgot Password?

↗ STEPS

1. Fill registered username
2. Fill login password
3. Show Password On/off Toggle
4. Navigates to Home on valid username and password credentials
5. Navigates to Forgot password page
(Refer page 8)

Page 1(b) : 2FA page



Two factor authentication

Enter the security code sent to your registered email.

1

2 VALIDATE

3 RESEND OTP

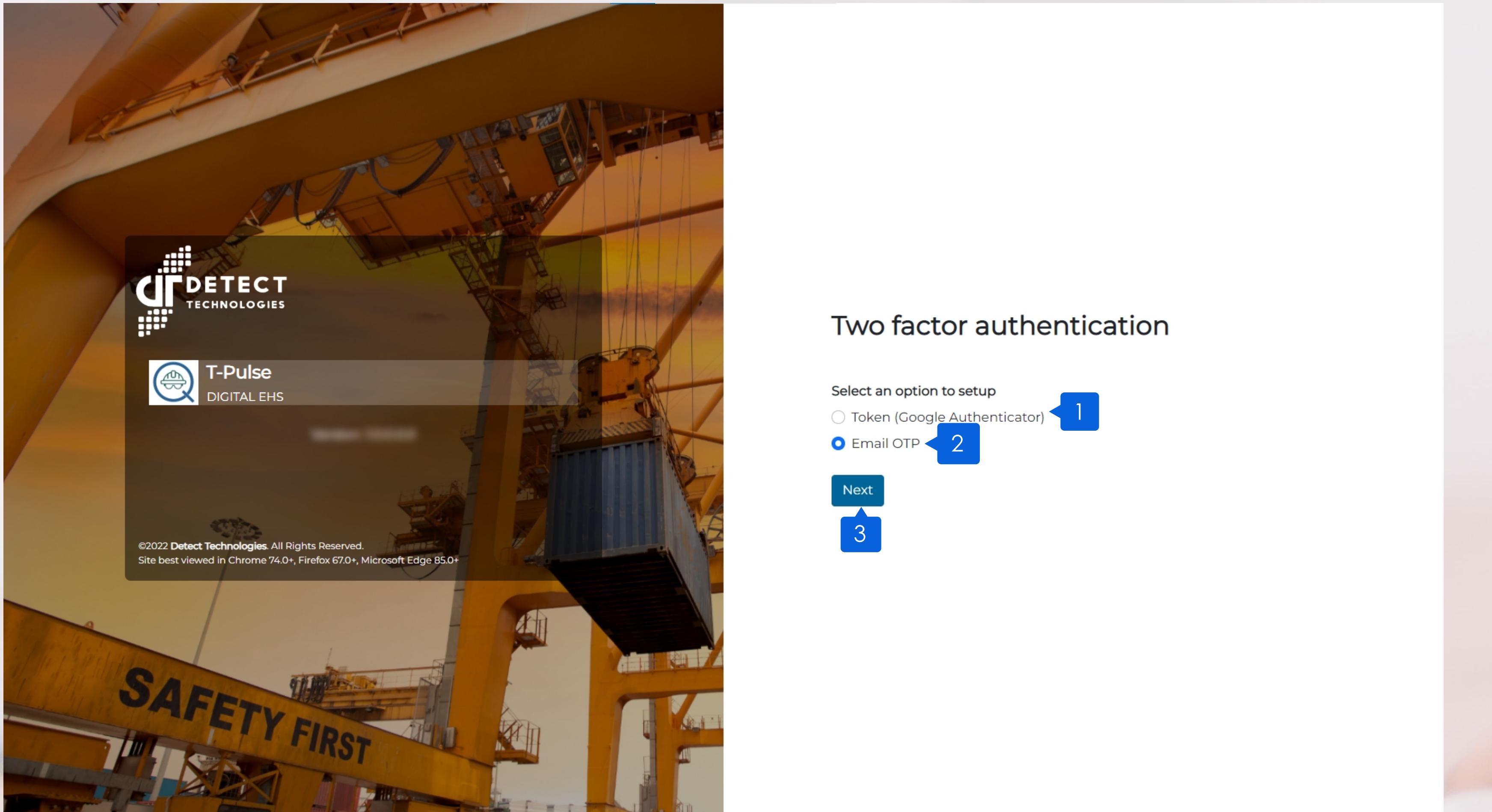
4 CHANGE 2FA MODE

5 OTP will expire in 56 seconds

↗ STEPS

1. Fill OTP received to the registered email ID
2. Click to Validate OTP
3. Click to resend OTP
4. Click to change 2FA mode (refer next page)

Page 1(c) : Change 2FA mode



↗ STEPS

1. Click checkbox to authenticate using Token (Google Authenticator)
2. Click checkbox to authenticate using Email OTP
3. After choosing authentication click next to verify(navigates to 2FA page).

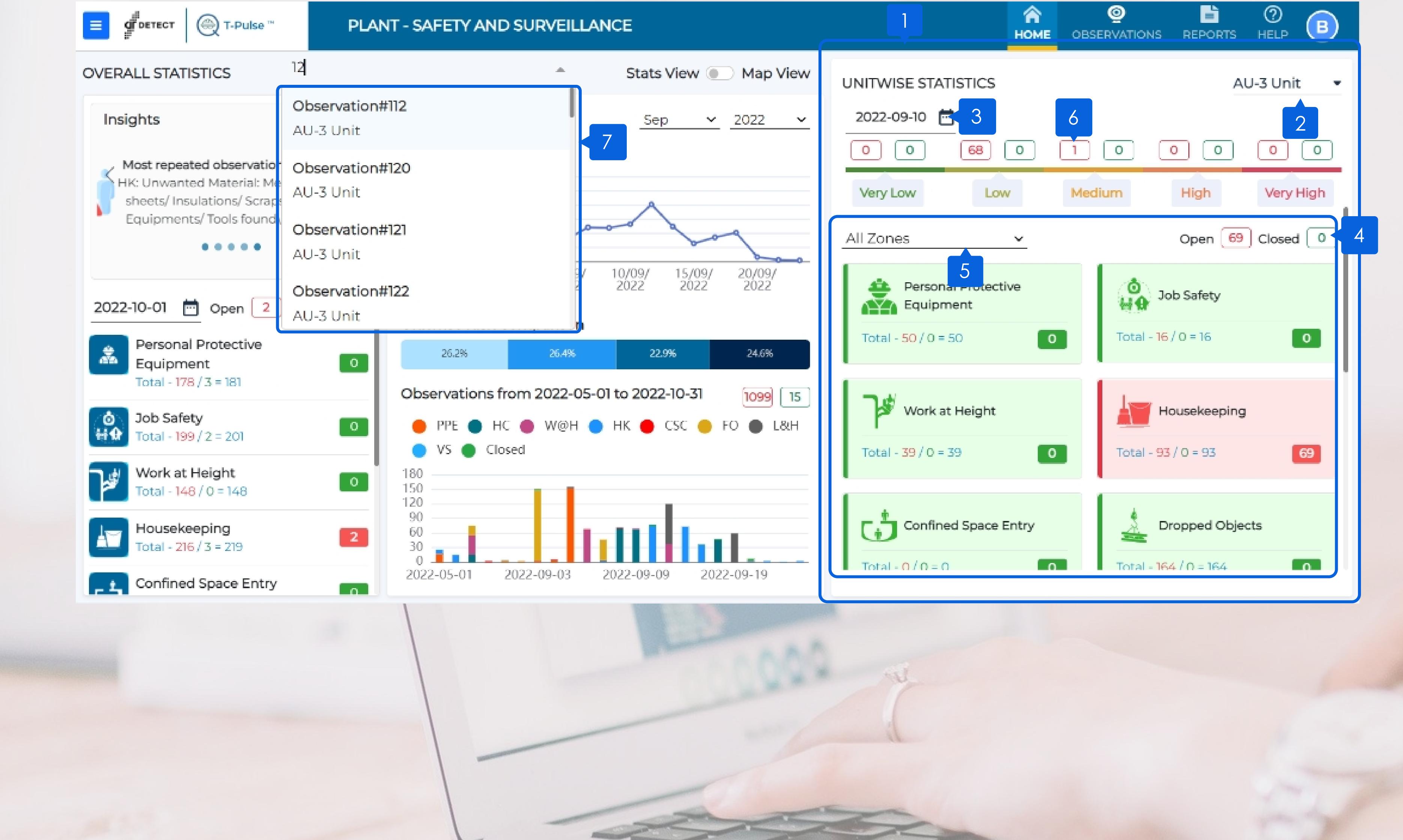
Page 2 (a) : Home



↗ STEPS

- Overall statistics of the plant
- Change/Choose date for day wise statistics.
- Shows the statistics and overview insights.
- By default, shows the overall open / closed observation count for the selected date.
- Displays the safety trend graph for month wise and year wise.
- Bar graph compares the violation between all units
- Shows the open/closed observation, represented for the entire period of shutdown in the form of a bar chart.
- On click to search the observations Globally.

Page 2 (b) : Home



↗ STEPS

1. Unit wise statistics of the plant
2. The desired unit can be selected from the drop down.
3. Choose date for the desired surveillance.
4. Overview of open observation count for the selected date is displayed for all the categories.
5. On click of each category, navigates the user to the selected open observations.
6. By default, shows the overall open / closed observation count categorized by Risk Rating for the selected date
7. Observations searched will display in the dropdown.

Page 2 (c) : Home

↗ STEPS

1. Shows the open/closed observation, represented for the entire period of shutdown in the form of a bar chart.



Page 3 (a) : Observations

The screenshot shows the PLANT - SAFETY AND SURVEILLANCE application. On the left, a list of observations is displayed for the FPU-Unit. Each observation entry includes a timestamp, status (Open), and a zone indicator (ZONE A). On the right, a detailed view of Observation #54 is shown, featuring a video thumbnail, date (23-03-2021), time (12:01:10), and a summary section.

Observation ID	Date	Status	Zone
Observation#54	2022-09-10 16:00:00	Open	ZONE A
Observation#55	2022-09-10 16:00:00	Open	ZONE A
Observation#56	2022-09-10 16:00:00	Open	ZONE A
Observation#57	2022-09-10 16:00:00	Open	ZONE A
Observation#58	2022-09-10 16:00:00	Open	ZONE A
Observation#59	2022-09-10 16:00:00	Open	ZONE A

Observation#54 Details:

- Date: 23-03-2021
- Time: 12:01:10
- Marked:
- Annotation mode:
- Zone: ZONE A
- Housekeeping: Housekeeping
- Observations: obs
- Recommendations: rec
- Risk Rating: (progress bar)
- Rated by: sowndarya@detecttechnologies.com

↗ STEPS

1. Filter options is used to retrieve the desired observations.
2. Shows the overall open/ close count for the selected filter.
3. Displays the overview of all the observations uploaded for unit level as per the selected filters.
4. Provides the detail view of the selected observation.
5. Selected date will be displayed here.
Note: By default "All Dates" option will be selected.
6. On click, all the observations captured can be downloaded in the form CSV file.

Page 3 (b) : Observations

The screenshot shows the PLANT - SAFETY AND SURVEILLANCE application. On the left, a list of observations is displayed:

- Observation#54: Date 2022-09-10, Time 16:00:00, Status Open. Zone: ZONE A. Risk Rating: High.
- Observation#55: Date 2022-09-10, Time 16:00:00, Status Open. Zone: ZONE A. Risk Rating: High.
- Observation#56: Date 2022-09-10, Time 16:00:00, Status Open. Zone: ZONE A. Risk Rating: High.
- Observation#57: Date 2022-09-10, Time 16:00:00, Status Open. Zone: ZONE A. Risk Rating: High.
- Observation#58: Date 2022-09-10, Time 16:00:00, Status Open. Zone: ZONE A. Risk Rating: High.
- Observation#59: Date 2022-09-10, Time 16:00:00, Status Open. Zone: ZONE A. Risk Rating: High.

At the bottom, there is a navigation bar with dates from 2022-09-10 to 2022-09-04.

On the right, a detailed view of Observation#54 is shown. It includes a timestamp (2022-09-10 16:00:00), a search bar, and a status dropdown. The status dropdown menu is open, showing options: Open, Snooze, Archive, Closed-No Action, Closed-Action Taken, and Closed-False Positive. The "Snooze" option is highlighted with a blue arrow and a green checkmark.

The detailed view also includes a camera feed showing a worker in a cage-like structure, and a sidebar with observation details like date, time, zone, and risk rating.

↗ STEPS

- Provides a control to search for the desired observation within the selected filter.
- On click, displays the Unit map with the zones mapped on it. (Refer page 3(l))
- Select the desired status from the dropdown to close an observation.
- Option to defer a desired observation for a later date is also provided.

Select the "Snooze" option from the status drop down list and select a date until which the observation should be snoozed.

The selected observation is moved to the Snoozed state and will not be available in the active list of open observations. The snoozed observation will be moved into the actively Open state after the snooze time elapses.

Page 3 (c) : Observations

The screenshot shows a software interface for plant safety surveillance. At the top, there's a navigation bar with 'HOME', 'OBSERVATIONS' (which is highlighted in yellow), 'REPORTS', 'HELP', and a profile icon. Below the navigation bar is a search bar and some filters. The main area displays a list of observations:

Observation ID	Date	Status	Actions
Observation#54	2022-09-10 16:00:00	Closed-Action Taken	Observation obs Recommendations rec
Observation#55	2022-09-10 16:00:00	Open	Observation obs Recommendations rec
Observation#56	2022-09-10 16:00:00	Open	Observation obs Recommendations rec
Observation#57	2022-09-10 16:00:00	Closed-No Action	Observation obs Recommendations rec
Observation#58	2022-09-10 16:00:00	Open	Observation obs Recommendations rec
Observation#59	2022-09-10 16:00:00	Open	Observation obs Recommendations rec

A blue callout box labeled '1' points to the status of Observation #55 ('Open'). A larger white modal window titled 'Change Status' is overlaid on the screen. It contains fields for 'Status' (set to 'Archive') and 'Remarks' (with a placeholder 'Type your remarks here...'). A blue callout box labeled '2' points to the 'Remarks' field, and another labeled '3' points to the 'SUBMIT' button.

To the right of the modal, a detailed view of Observation #55 is shown. It includes a thumbnail image of a industrial scene with a blue box highlighting a specific area, a timestamp ('2022-09-10 16:00:00'), and a camera icon. Below the image are sections for 'Remarks' (empty), 'Status' (set to 'Archive'), 'Housekeeping' (marked as 'Marked'), and 'Annotations' (set to 'Annotation mode'). At the bottom, it shows the observation details again: 'Zone ZONE A', 'Housekeeping', 'Observations', 'Recommendations', 'Risk Rating' (yellow), and 'Rated by akshaya@detecttechnologies.com'.

↗ STEPS

1. To change the status to Archive this popup will appear
2. Enter valid remarks to Submit
3. Click Submit to change the status.

Page 3 (d) : Observations

The screenshot shows the PLANT - SAFETY AND SURVEILLANCE application. On the left, a list of observations is displayed for the date 2022-09-10 at 16:00:00. There are 8 observations in total, all categorized under 'Zone ZONE A' and 'Housekeeping'. Each observation has a status of 'Open'. The right side shows a detailed view of Observation #54, dated 2022-09-10 at 16:00:00. This view includes a thumbnail image of a worker in a cage-like structure, a timestamp of 2022-09-10 16:00:00, and a status dropdown menu. The status dropdown menu is open, showing options: Open (selected), Snooze, Archive (highlighted with a blue box and number 2), Closed, and other closed options like Closed-No Action, Closed-Action Taken, and Closed-False Positive.

↗ STEPS

1. On click, displays the list of all the observations which have been snoozed.
2. Option to archive the observation is provided in the Status drop down list.
The archived observation cannot be brought back to Open state.
All the archived observations can be viewed by selecting the "Archive" toggle button.
3. On click, displays the list of all the observations which have been archived.

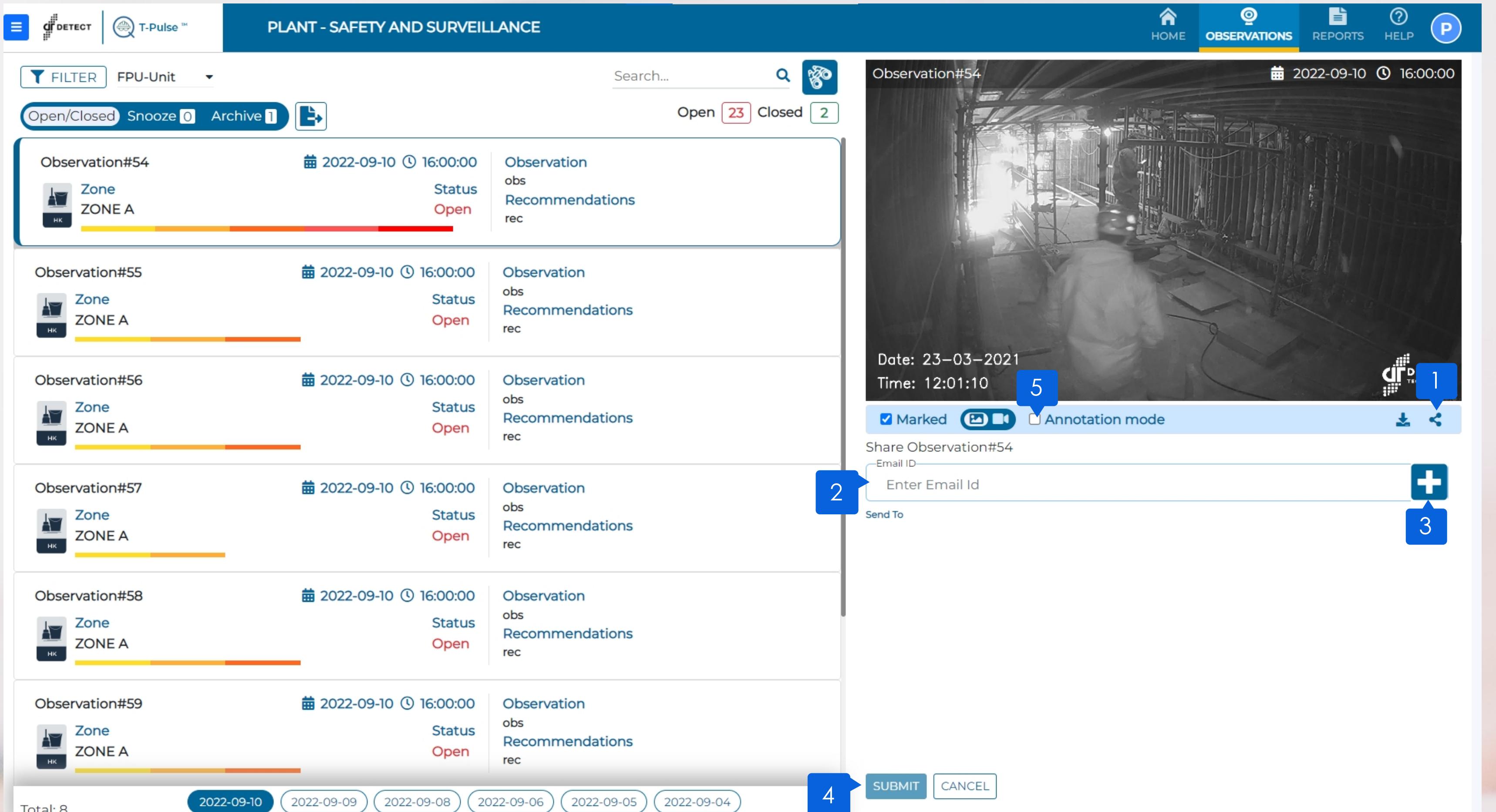
Page 3 (e) : Observations

The screenshot shows the PLANT - SAFETY AND SURVEILLANCE application interface. The main area displays a list of observations. Observation #55 is currently selected, showing a video feed of a industrial setting with a blue box highlighting a specific area. The observation details include the date (2022-09-10), time (16:00:00), status (Open), and zone (ZONE A). The risk rating is shown as a yellow bar. A 'Change Status' dialog box is overlaid on the screen, with step numbers 1 through 4 indicating the process: 1. Selecting 'Snooze' from the status dropdown, 2. Entering remarks in the text area, 3. Setting a snooze date, and 4. Clicking the 'SUBMIT' button.

↗ STEPS

1. To change the status to Snooze this popup will appear
2. Enter valid remarks to Submit
3. Select the date and time to remain the observation.
3. Click Submit to change the status.

Page 3 (f) : Observations



↗ STEPS

1. On click, a popup will appear for sharing the observation.
2. Enter the valid email id to which the observation is to be shared.
3. On click of "Add" button, valid email id will be added to "Sent to" list.
Note: The user can also add multiple email id to share.
4. On click, the observation along with the annotated image will be sent to the mail id.
5. Check to Add/View annotation.

Page 3 (g) : Observations

The screenshot shows the PLANT - SAFETY AND SURVEILLANCE application interface. On the left, there is a sidebar with various filter options: Zone Name (All Zones), Categories (All Categories), Date (All Dates), Time (All Timestamps), Mode (All), Risk Rating (Filter by Ratings), Status (Filter by Status), Sort By (Date (Newest to Oldest)), and Display Type (Images). A blue box labeled '4' highlights the 'Display Type' dropdown. A blue box labeled '5' highlights the 'APPLY' and 'RESET' buttons. The main area displays a list of observations with columns for Date, Status, and Actions (Observation, obs, Recommendations, rec). A blue box labeled '6' points to the date '2022-09-10'. A blue box labeled '7' points to the status 'Open'. A blue box labeled '8' points to the 'Marked' checkbox. On the right, a detailed view of Observation #54 is shown, featuring a video thumbnail, a timestamp '2022-09-10 16:00:00', and a camera icon. Below the video, there is a 'Confirmation' dialog box with the message: 'On clicking Confirm, email notification will be sent to the user(s). Are you sure you want to proceed?'. It contains 'CONFIRM' and 'CANCEL' buttons.

↗ STEPS

1. On click, to select Risk rating level.
2. On click, to Submit Risk rating level. a Popup will appear for confirmation.
3. Confirmation popup, on clicking confirm, email notification will be sent
4. Filter options are used to retrieve the desired observations.
5. On click, resets all the filter selection to its default state.
6. On click checkbox to view mark or unmark image.
7. Toggle to view videos uploaded for the observation. (Refer page 3(h))
8. Check to view or create Annotations.

Page 3 (h) : Observations

The screenshot shows the PLANT - SAFETY AND SURVEILLANCE application interface. On the left, a list of observations is displayed:

- Observation#54: Date 2022-09-10, Time 16:00:00, Status Open. Annotations: Zone ZONE A.
- Observation#55: Date 2022-09-10, Time 16:00:00, Status Open. Annotations: Zone ZONE A.
- Observation#56: Date 2022-09-10, Time 16:00:00, Status Open. Annotations: Zone ZONE A.
- Observation#57: Date 2022-09-10, Time 16:00:00, Status Open. Annotations: Zone ZONE A.
- Observation#58: Date 2022-09-10, Time 16:00:00, Status Open. Annotations: Zone ZONE A.
- Observation#59: Date 2022-09-10, Time 16:00:00, Status Open. Annotations: Zone ZONE A.

Total: 8 observations. Filter: FPU-Unit. Search bar. Open/Closed: 23 Open, 2 Closed. Reports, Help, and Profile icons.

On the right, a detailed view of Observation#54 is shown. The image shows a construction site with scaffolding. Annotations are overlaid on the image, numbered 1 through 7. Below the image are controls for annotation mode:

- Marked (checkbox)
- Annotation mode (checkbox)
- Add (button)
- View All (button)
- Shape: Box (selected), Circle, Polygon
- Line Color (blue square)
- Line Thickness (slider)
- Comments: Please annotate to add Comments (text input field)

Comments: Comments cannot be empty and shouldn't have space characters at start and end. Save, Clear, and 7 (Save button).

↗ STEPS

1. Displays the annotation for the desired observation.
2. On click, comments will be displayed in the popup.
3. Select the shape for annotation.
4. Provision to select the color for the annotations is also given.
5. Provision to select the line thickness for the annotations is also given.
6. Draw the annotation over the image and enter the valid comments.
7. On click, the annotation will be saved for the desired observation.
8. On click, Annotation for the observation will be shown. (Refer next page)

Page 3 (i) : Observations

The screenshot shows the PLANT - SAFETY AND SURVEILLANCE application. On the left, a list of observations is displayed for September 10, 2022, at 16:00:00. Each observation entry includes a timestamp, date, status (Open), and a zone indicator (ZONE A). On the right, a detailed view of Observation #54 is shown, dated 2022-09-10 at 16:00:00. The view includes a camera feed of a construction site with several blue rectangular annotations. Below the feed, there are controls for 'Marked' (checked), 'Annotation mode' (checked), and buttons for 'Add New' and 'View All'. A callout numbered 1 points to the 'View All' button. A modal window titled 'Annotation #1' is open, showing comments from 'akshaya@detecttechnologies.com'. It includes a comment input field ('Add new Comments here...'), a list of comments (e.g., 'Comment cannot be empty and shouldn't have space characters at start and end', 'testing', 'test01'), and delete buttons for each comment. Callouts numbered 2 through 6 point to various elements: 2 points to the comment input field, 3 points to the 'COMMENT' button, 4 points to the delete button for the first comment, 5 points to the delete button for the second comment, and 6 points to the 'Annotation mode' checkbox.

↗ STEPS

1. Annotation along with respective comments will be shown.
2. Enter valid comment for the annotation.
3. On click, entered comments will be saved for the annotation.
4. Comments for that annotation will list here.
5. On Click to Delete annotation.
6. Uncheck to go back to the default view.

Page 3 (j) : Observations

The screenshot shows the PLANT - SAFETY AND SURVEILLANCE application. On the left, a list of observations is displayed for the date 2022-09-10 at 16:00:00. Each observation entry includes a thumbnail, the observation number, date, time, status (Open), and a zone indicator (ZONE A). To the right of the list is a detailed view of Observation #54. This view shows a video player interface with a play/pause button (3), volume control (5), and download link (6). Below the video are sections for 'Housekeeping' (2), 'Observation' (obs, Recommendations, rec), and 'Risk Rating'. The 'Housekeeping' section includes a 'Remarks' field (No remarks), 'Status' (Open), and a 'Rated by' field (prithvi@detecttechnologies.com).

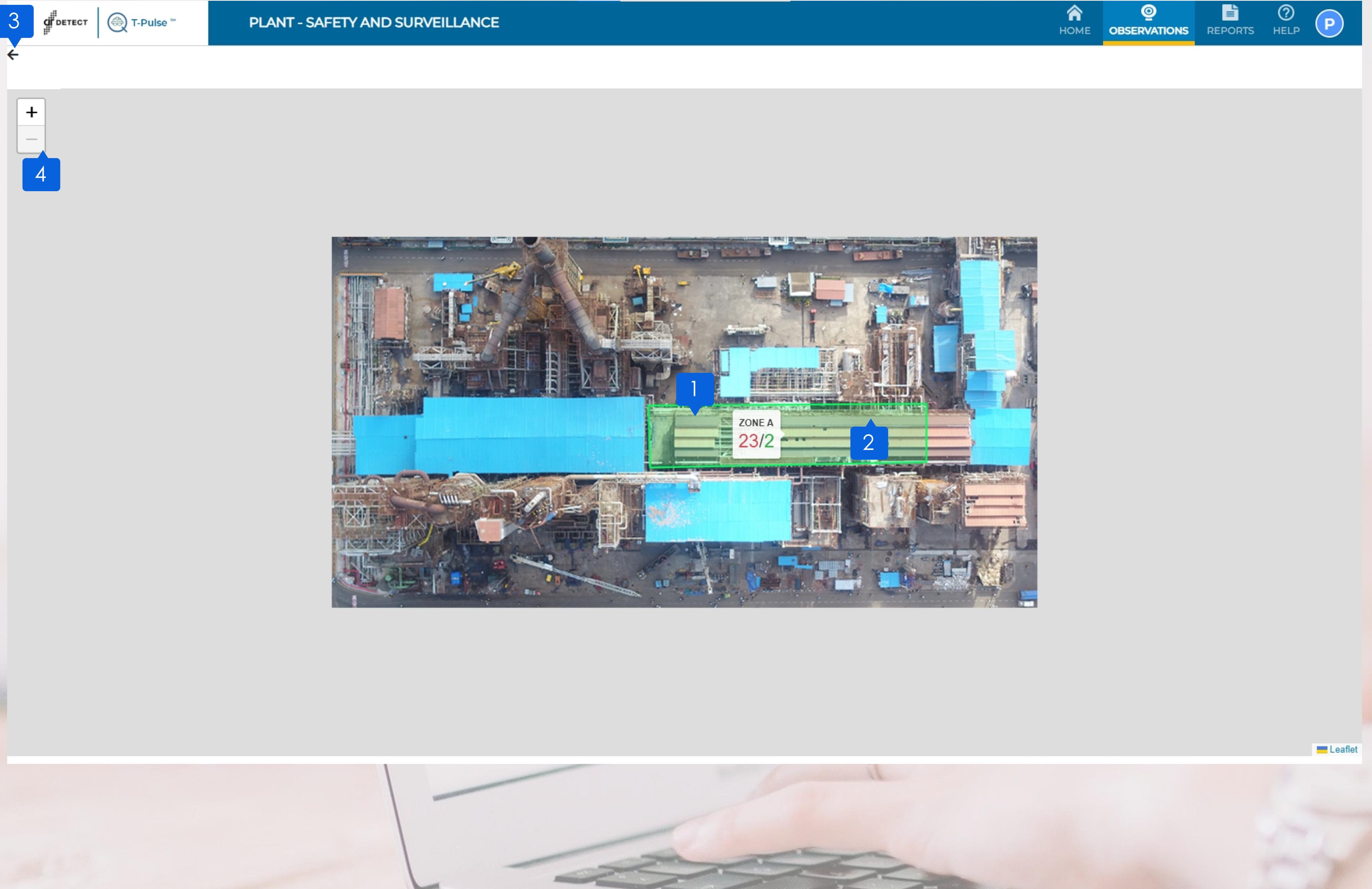
Observation#	Date	Time	Status	Zone
54	2022-09-10	16:00:00	Open	ZONE A
55	2022-09-10	16:00:00	Open	ZONE A
56	2022-09-10	16:00:00	Open	ZONE A
57	2022-09-10	16:00:00	Open	ZONE A
58	2022-09-10	16:00:00	Open	ZONE A
59	2022-09-10	16:00:00	Open	ZONE A

Total: 8

↗ STEPS

- Uploaded video for the observation will display here.
- Toggle to go back for the image view.
- Click, to Pause or play the video.
- Click to increase/decrease Volume.
- Click to view video in full screen mode
- Click to download the video.

Page 4: Birds eye view



↗ STEPS

1. Displays the Unit image with the zones mapped onto it.
2. On click of the Zone, the control navigates to the selected observation images.
3. Click, to back to the observation page
4. Click + to zoom in and - to zoom out the map

Page 5 : Reports

The screenshot shows a web-based application interface for 'PLANT - SA AND SURVEILLANCE'. At the top, there are navigation links: HOME, OBSERVATIONS, REPORTS (which is highlighted in yellow), and HELP. Below the header, there's a dropdown menu for 'FPU-Unit' with options: HZL-Unit, AU-3 Unit, and Unit-1. A blue box labeled '1' highlights the 'REPORTS' link. Below this, a search bar shows 'Monthly wise' and the date range 'Sep 2022'. The main content area displays a table of reports:

Report Name	Date	Time	File
Test	2022-09-14	14:00:00	VIEW FILE
test1	2022-09-14	09:00:00	VIEW FILE
test9	2022-09-14	09:00:00	VIEW FILE

A blue box labeled '2' points to the table area. A blue box labeled '3' points to one of the 'VIEW FILE' buttons. A blue box labeled '4' points to the 'FPU-Unit' dropdown menu.

3 total

↗ STEPS

1. Choose month wise or year wise with respective month and year to view the reports
2. Displays the list of reports generated between the chosen start and end dates.
3. On click, displays the selected report in PDF format
4. the unit list allows to view the reports based on unit selected.

Page 6(a) : Help / FAQ

The screenshot shows the 'Categorization' page of the PLANT - SAFETY AND SURVEILLANCE software. The top navigation bar includes 'HOME', 'OBSERVATIONS', 'REPORTS', 'HELP' (which is highlighted), and a profile icon. The left sidebar has three items: 'Category Mapping' (selected), 'Zone Mapping' (with a blue box around it and the number '2' above it), and 'User Manual' (with a blue box around it and the number '3' above it). The main content area displays five categories:

Category	Indicator	Description
Personal Protective Equipment	PPE	Use of hard hats, gloves, safety glasses, safety toed shoes, hearing protection and long sleeves and trousers or coveralls in work areas. Use of work specific PPE where applicable.
Job Safety	HC	Personnel to stay away from line of fire hazards such as - Dropped objects, Swinging loads, Tool or equipment movement, Hoisted loads that might swing or fall. Simultaneous Operations (SIMOPS) is defined as two or more work scopes during pre-commissioning/commissioning at site occurring simultaneously in a same or adjacent area which can interfere with one another. SIMOPS risks are identified and controls are set prior to work. Work is however recommended to be planned to avoid or minimise SIMOPS.
Work at Height	W@H	Working at a height more than 1.8 m requires either a fixed platform with railing, approved scaffolding or the use of approved personal fall protection systems secured to an appropriate anchoring point. Where practical, both are recommended. - lanyards required even if they are on platforms. It is only not required if on green-tagged scaffolds. However, since this is not visible from drone footage, all observations to be captured, and the HSE officers can then verify on a case to case basis. Orange netted scaffolds are green tagged and can be assumed to not require lanyards. Scaffold materials and
Housekeeping	HK	Periodic segregation and disposal of scrap, waste and surplus materials. Accumulated trash containers to be cleared periodically. Stairways, passageways, ladders, scaffolds and gangways are to be free of materials, supplies and obstructions - even more so for passageways at height.
Confined Space Entry	CSC	Obtain authorisation before entering a confined space. Requirement of a watchman/attendant with emergency response equipment (first aid & firefighting).

At the bottom, there is a 'Contact Us' button and a navigation bar with page numbers 1, 2, and 3.

↗ STEPS

1. Provides the definitions of all the IOGP categories used.
2. Provides the list of categories that matches with IOGP category used in the software. (Refer next page)
3. Provides the detailed page-wise guide for quick reference.

Page 6(b) : Help / FAQ

The screenshot shows the PLANT - SAFETY AND SURVEILLANCE application. The left sidebar has links for Categorization, Category Mapping (which is selected), Zone Mapping, and User Manual. The main content area has two tabs: 'Given Category' (selected) and 'Closest IOGP category'. A blue callout labeled '1' points to the 'Given Category' tab. The table lists various categories and their closest IOGP equivalents:

Given Category	Closest IOGP category
Mechanical	Job Safety
Electrical	Job Safety
Environmental	Housekeeping
Hazard Communication	Job Safety
Hot Work Compliance	Job Safety
Confined Space Compliance	Confined Space Entry
Fire & Emergency	Job Safety
Working at Height/ Scaffold/ Ladder	Work at Height
Vehicle Safety	Construction Traffic Interference
Personal Safety and PPE Compliance	PPE
Lifting and Hoisting	Lifting and Hoisting
Life Saving Rules Violation	Job Safety
Housekeeping	Housekeeping
Falling Object	Dropped Objects

At the bottom, there is a 'Contact Us' button and a pagination bar showing '20 total' and page numbers 1, 2, 3.

↗ STEPS

1. Displays the list of generic categories that matches with IOGP category.
2. On click, a popup screen will appear with contact form. Refer page 6(d)

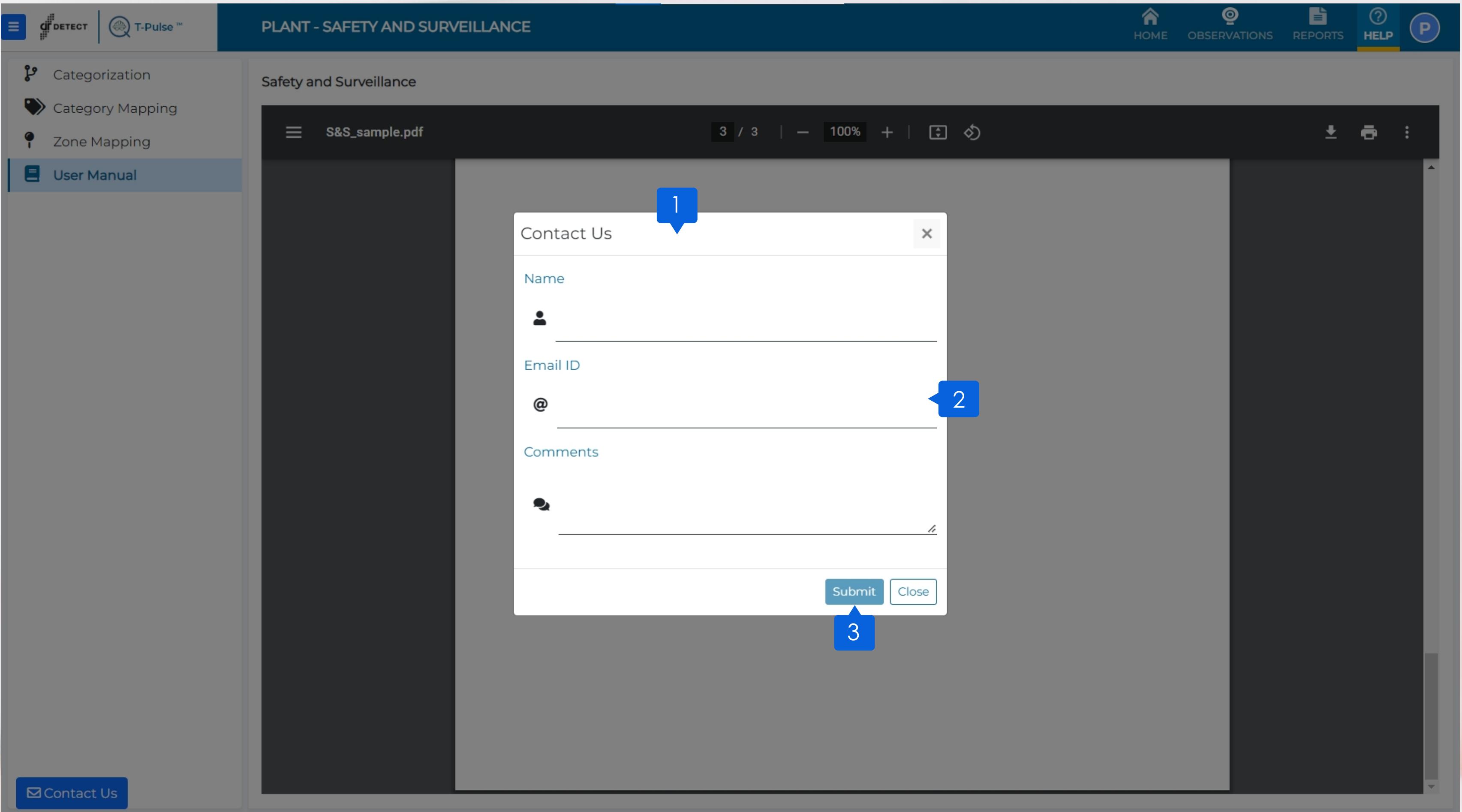
Page 6(c) : Help / FAQ

The screenshot shows the PLANT - SAFETY AND SURVEILLANCE application. At the top, there is a navigation bar with icons for HOME, OBSERVATIONS, REPORTS, HELP (which is highlighted in yellow), and a profile icon. Below the navigation bar, a sidebar on the left lists several options: Categorization, Category Mapping, Zone Mapping, and User Manual, with User Manual being the selected item. The main content area displays a PDF titled "S&S_sample.pdf" with the page number "1" in a blue callout bubble. The PDF content shows a drone flying near a tree trunk, with a hand cursor pointing at it. The PDF viewer has standard controls like zoom and orientation. A "Contact Us" button is visible at the bottom left of the main window.

↗ STEPS

1. Displays the page wise user manual guide for quick reference.

Page 6(d) : Help / FAQ



↗ STEPS

1. In order to Contact us, user can email to Detect with their queries related to this software

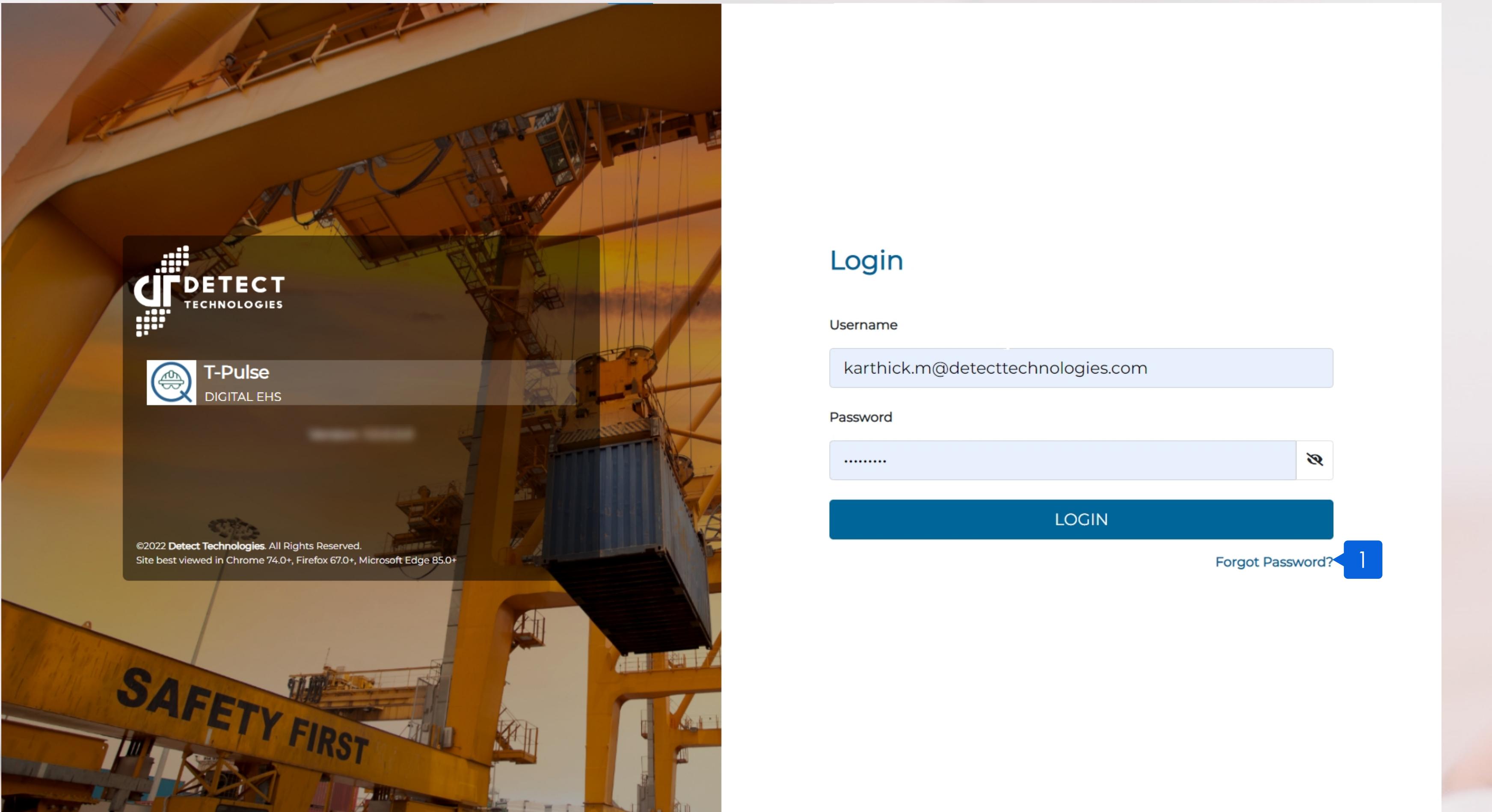
Note : Form will be successfully submitted only with authorized credentials

User Credentials are created by Detect Technologies Pvt Ltd

2. Users are requested to fill the form to process further

3. On Clicking, the form will get submitted successfully.

Page 7(a) : Forget password



↗ STEPS

1. On click, navigates to Forgot password page.

Page 7(b) : Forget password



Forgot password

E-mail ID

Enter Email ID

1

SUBMIT

2

Back

↗ STEPS

1. Fill registered Email ID
2. On click, Submit, password reset link will be sent to the registered Email ID.