

iTX-CAST OCC MANUAL

DESIGN AND PREVIEW	4
Job History	6
Announcement	7
Activate Announcement.....	8
Deactivate Announcement.....	9
Equipment Breakdown.....	11
Activate Equipment Breakdown	11
De-activate Equipment Breakdown	12
SMP MAP	13
Longer Travelling Time.....	14
Activate Delay Event	15
Deactivate Delay Event.....	16
No Train Services	17
Activate Disruption Event.....	18
Deactivate Disruption Event	19
Best Practices	20
SMP map.....	20
When “Delay” or “Disruption” event is activated	21
What announcements had been activated?	22
Dashboard	22
SMP.....	23
Announcement	24

DESIGN AND PREVIEW

iTX-Cast is a software that allows users to remotely broadcast a wide range of information to various digital signages. iTX-Cast consists of roles and functions that enables users to broadcast:

- Public Information
- Internal Information
- Advertisements
- Promotions
- Navigation

The documentation consists of several pages with instructions on operating the iTX-Cast software.

Viewer

The Viewer tab displays all the Digital Signage Systems which has been configured by EINS accordingly and signed in with the iTX-Cast Server.

The screenshot shows the iTXCast web interface. On the left is a blue sidebar with navigation links: Dashboard, Group, Viewer (selected), Schedule, Job History, Announcement, User, User Manual, and SMP. The main area is titled 'Viewer' with the subtitle 'Manage your digital signage viewers'. It features search filters for 'Search viewer...', 'Search ip address...', and 'Any Status'. Below these is a table listing five digital signage viewers, all of which are inactive.

Viewer Name	IP Address	Status	Browser	TV	Last Active Time
BP10 - Fajar	10.0.195.72	Inactive	Off	Off	07/07/2022 01:06 am
BP1-1 - Chua Chu Kang	10.0.195.40	Inactive	Off	Off	25/06/2022 04:47 pm
BP11 - Segar	10.0.195.60	Inactive	Off	Off	01/07/2022 03:43 pm
BP1-2 - Chua Chu Kang	10.0.195.2	Inactive	Off	Off	20/06/2022 04:38 pm
BP12 - Jelapang	10.0.195.88	Inactive	Off	Off	01/07/2022 03:44 pm

At the bottom right of the table is a pagination control showing page 1 of 4.

Job History

The Job History tab displays all past activities performed by the viewer.

The screenshot shows the ITXCast interface with the 'Job History' tab selected. The page displays a list of job history entries for viewers. The table includes columns for Job ID, Schedule, Viewer, Status, Completed Time, and Action. The data shows several completed jobs with various schedules and viewers.

Job ID	Schedule	Viewer	Status	Completed Time	Action
1237	BP4 - Teck Whye - Peace time	BP4 - Teck Whye	completed	-	...
1235	BP1 - Choa Chu Kang - Peace time	BP1-3 - Choa Chu Kang	completed	-	...
1234	BP1 - Choa Chu Kang - Peace time	BP1-2 - Choa Chu Kang	completed	-	...
1233	BP1 - Choa Chu Kang - Peace time	BP1-1 - Choa Chu Kang	completed	-	...
1232	BP2 - South View - Peace time	BP13-test - Senja	completed	-	...

Rows per page: 5 1-5 of 1147

Users can filter the past activities by schedule name and schedule status.

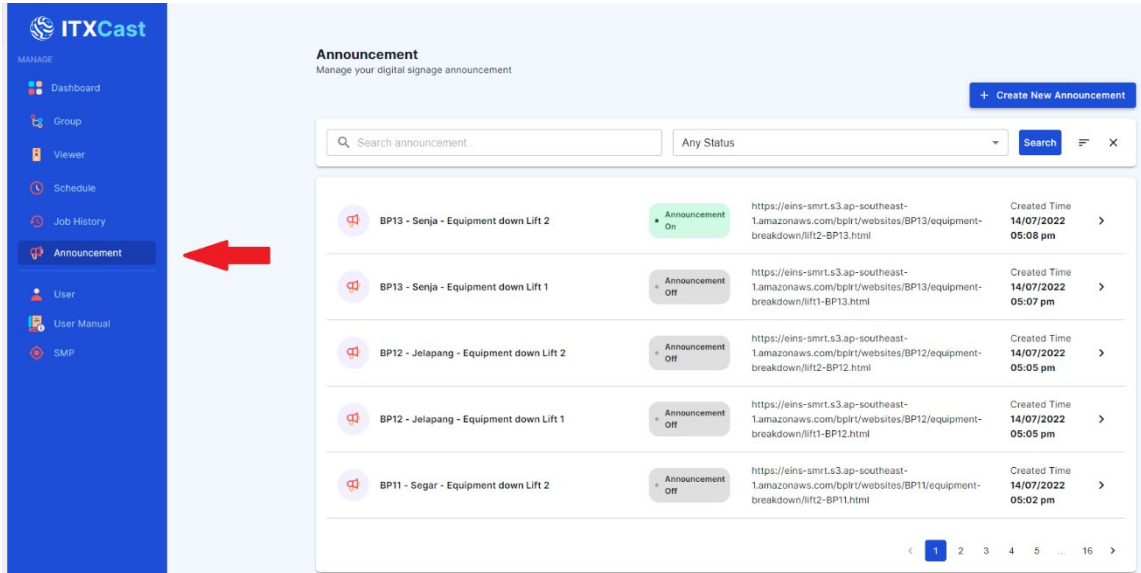
This screenshot shows the same ITXCast Job History page, but with the 'Select Status' dropdown menu open. The menu lists several status options: Completed, Immediate Completed, Expired, Immediate Expired, Announcement On, and Announcement Off. The table data remains the same as in the previous screenshot.

Job ID	Schedule	Viewer	Status	Completed Time	Action
1237	BP4 - Teck Whye - Peace time	BP4 - Teck Whye	completed	-	...
1235	BP1 - Choa Chu Kang - Peace time	BP1-3 - Choa Chu Kang	completed	-	...
1234	BP1 - Choa Chu Kang - Peace time	BP1-2 - Choa Chu Kang	completed	-	...
1233	BP1 - Choa Chu Kang - Peace time	BP1-1 - Choa Chu Kang	completed	-	...
1232	BP2 - South View - Peace time	BP13-test - Senja	completed	-	...

Rows per page: 5 1-5 of 1147

Announcement

Click the “Announcement” tab located at the side bar will show up all the announcements where “Activated” announcements will be shown on the top of the list.



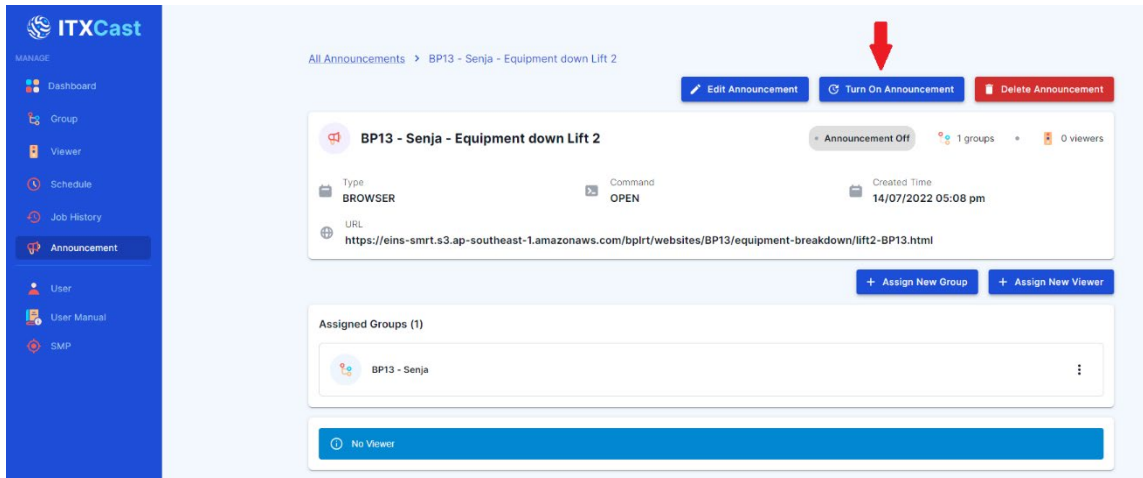
The screenshot displays the ITXCast web interface for managing digital signage announcements. On the left, a blue sidebar contains navigation links: Dashboard, Group, Viewer, Schedule, Job History, **Announcement** (highlighted with a red arrow), User, User Manual, and SMP. The main content area is titled 'Announcement' with the subtitle 'Manage your digital signage announcement'. It features a search bar, a status filter set to 'Any Status', and a '+ Create New Announcement' button. Below these is a table of announcements:

Location	Status	URL	Created Time
BP13 - Senja - Equipment down Lift 2	Announcement On	https://eins-smrt.s3.ap-southeast-1.amazonaws.com/bplr/website/BP13/equipment-breakdown/lift2-BP13.html	14/07/2022 05:08 pm
BP13 - Senja - Equipment down Lift 1	Announcement Off	https://eins-smrt.s3.ap-southeast-1.amazonaws.com/bplr/website/BP13/equipment-breakdown/lift1-BP13.html	14/07/2022 05:07 pm
BP12 - Jelapang - Equipment down Lift 2	Announcement Off	https://eins-smrt.s3.ap-southeast-1.amazonaws.com/bplr/website/BP12/equipment-breakdown/lift2-BP12.html	14/07/2022 05:05 pm
BP12 - Jelapang - Equipment down Lift 1	Announcement Off	https://eins-smrt.s3.ap-southeast-1.amazonaws.com/bplr/website/BP12/equipment-breakdown/lift1-BP12.html	14/07/2022 05:05 pm
BP11 - Segar - Equipment down Lift 2	Announcement Off	https://eins-smrt.s3.ap-southeast-1.amazonaws.com/bplr/website/BP11/equipment-breakdown/lift2-BP11.html	14/07/2022 05:02 pm

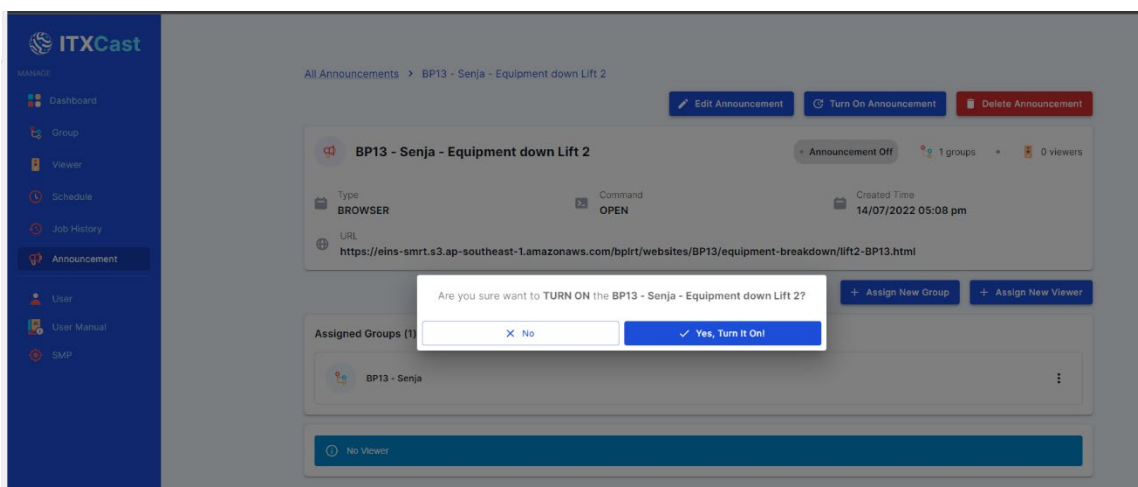
At the bottom right of the table, there is a pagination control showing '1' as the current page, with links for 2, 3, 4, 5, and 16.

Activate Announcement

Select an announcement, example “BP13 – Senja – Equipment down Lift 2” and click “Turn On Announcement”



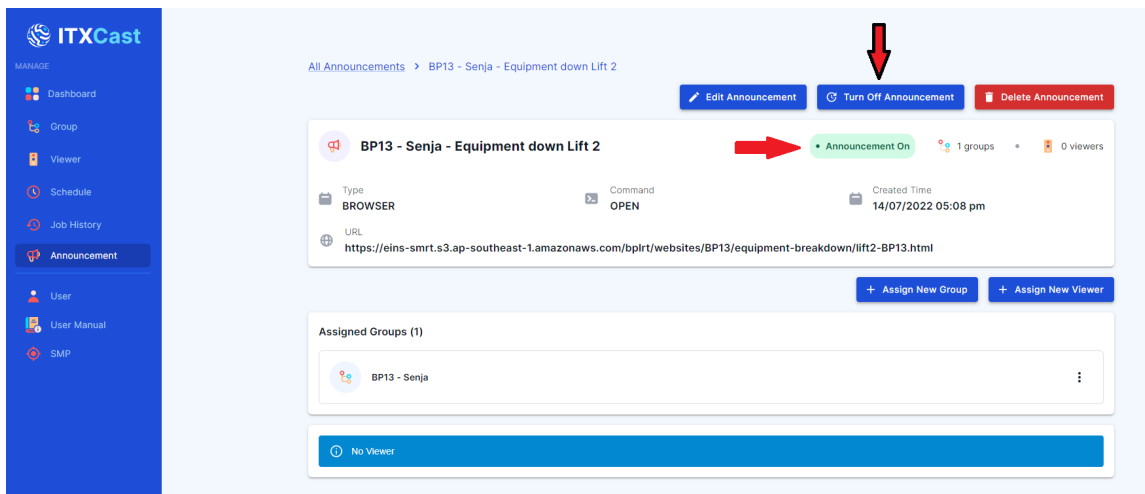
Click “Yes, Turn It On” to confirm the action.



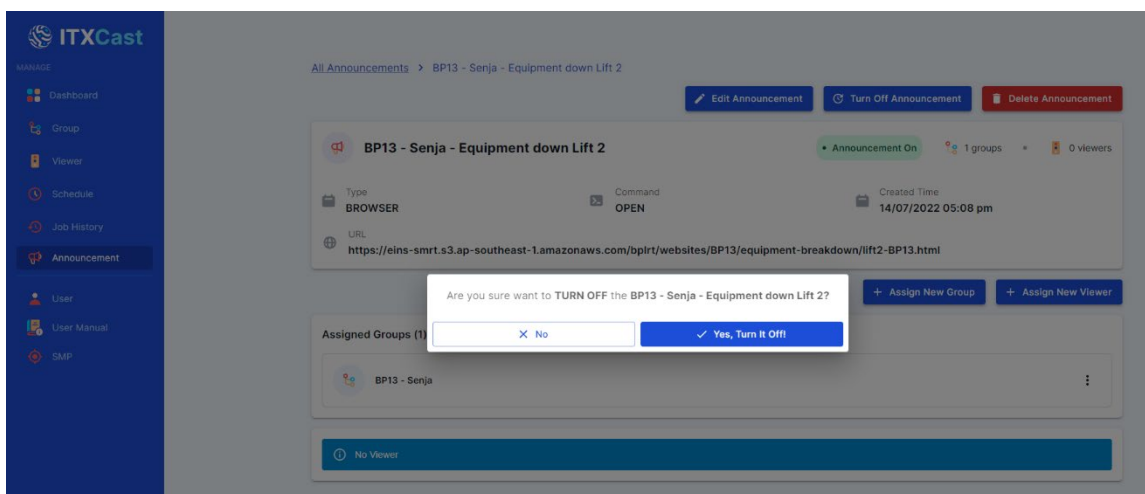
Deactivate Announcement

If the selected announcement has already been turned on, it is indicated by the green status text “Announcement On” indicated by the red arrow and the “Turn Off Announcement” button is shown.

Click “Turn Off Announcement” button.

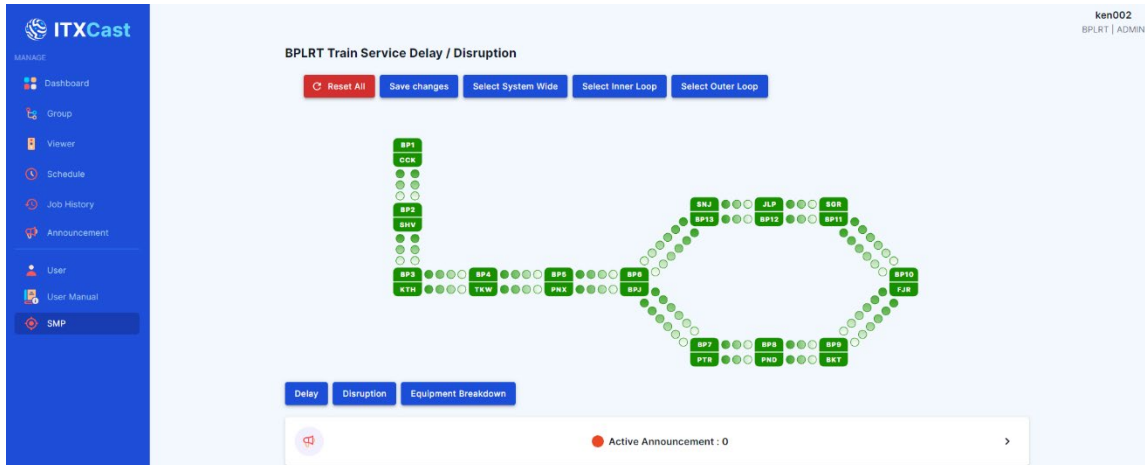


Click “Yes, Turn It Off” to de-activate the announcement.



SMP

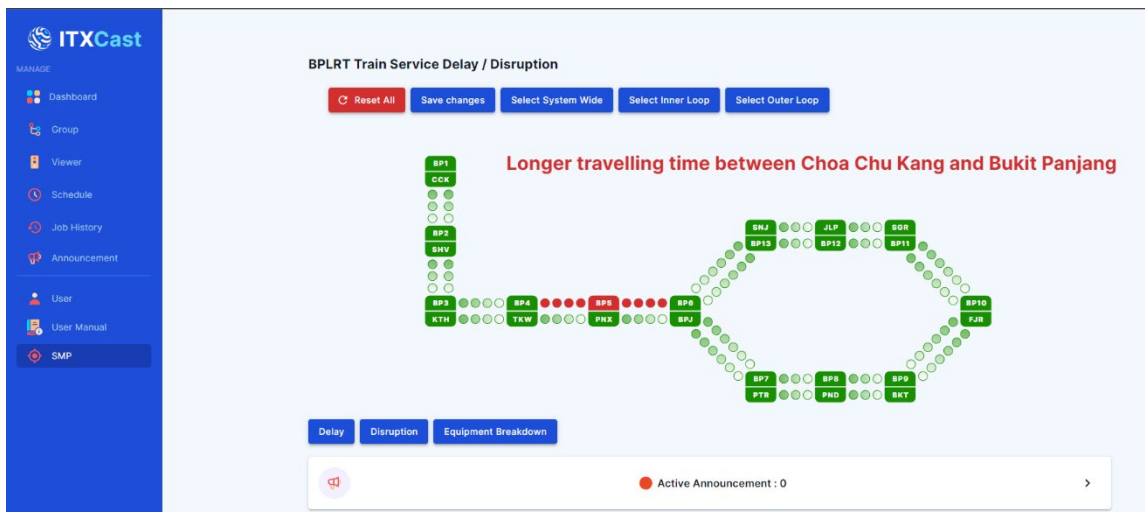
This SMP is the operational control dashboard created for BPLRT to monitor, control and schedule content delivery to all stations digital signage (DS).



It allows operator to trigger the following events:

1. Equipment breakdown.
2. Delay A – longer travelling time with no free bus services.
3. Delay B – longer travelling time with free bus services.
4. Disruption – no train service.

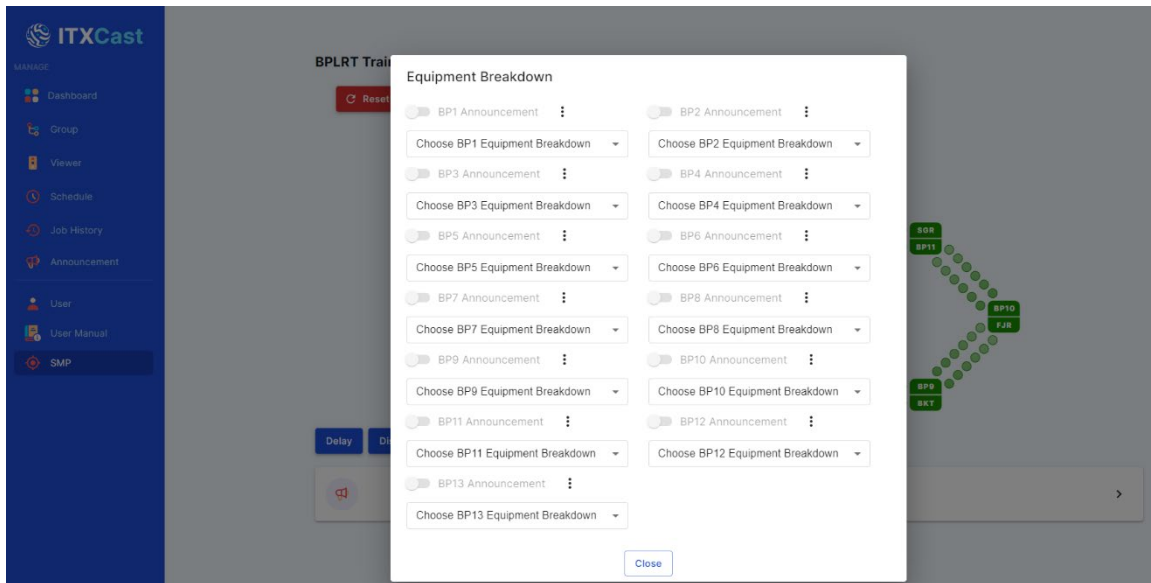
The SMP is designed to cater only a single event, a “Delay” or a “Disruption”.



Equipment Breakdown

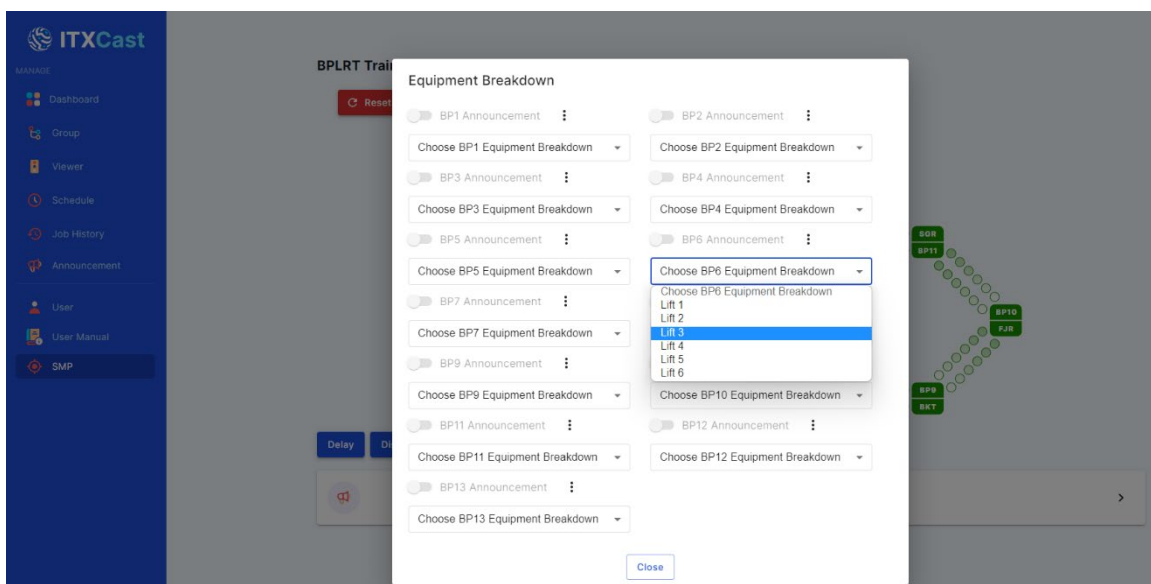
Click SMP on the dashboard side bar will bring up SMP interface.

Click “Equipment Breakdown” button will bring up all station’s equipment and its equipment.

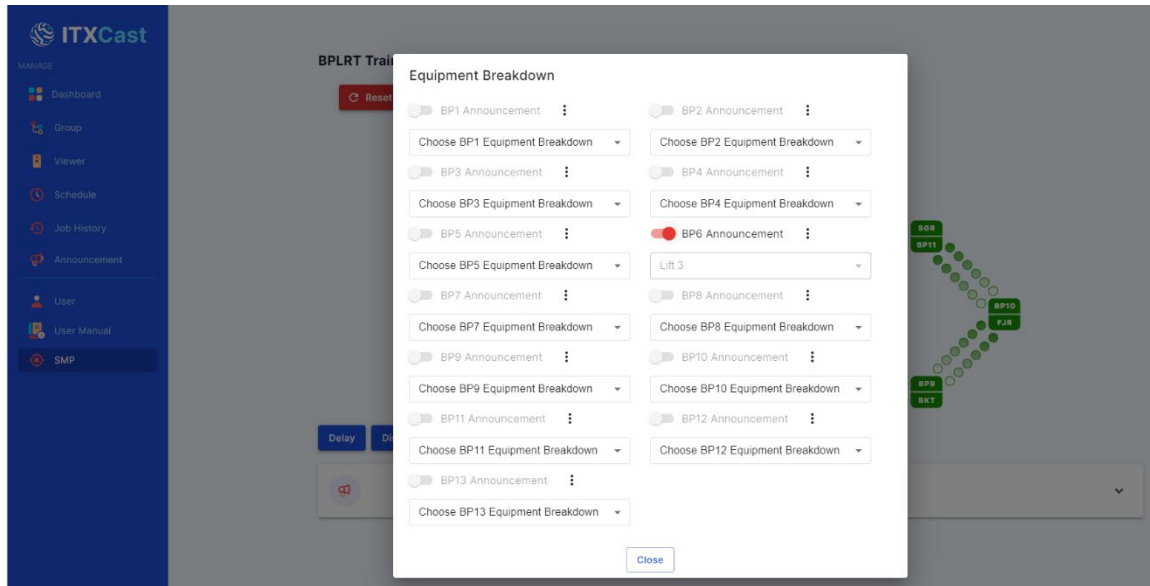


Activate Equipment Breakdown

For example, to turn on BP6 – Lift 3 breakdown announcement, click on “Choose BP6 Equipment Breakdown” selector and select “Lift 3”.

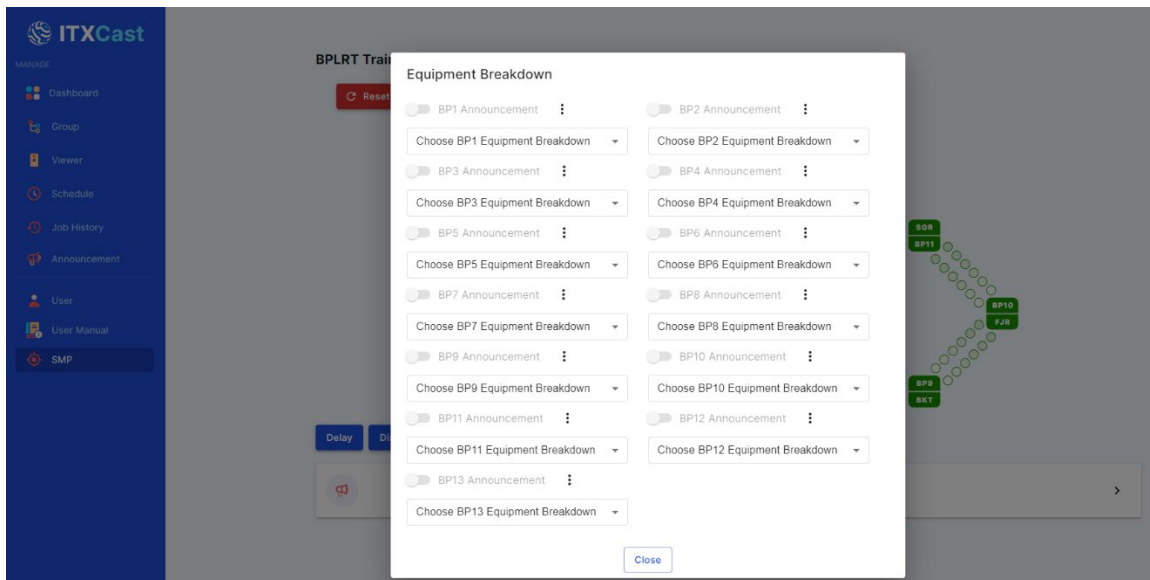


Click on the slider switch beside “BP6 Announcement” to activate the lift 3 breakdown announcement.



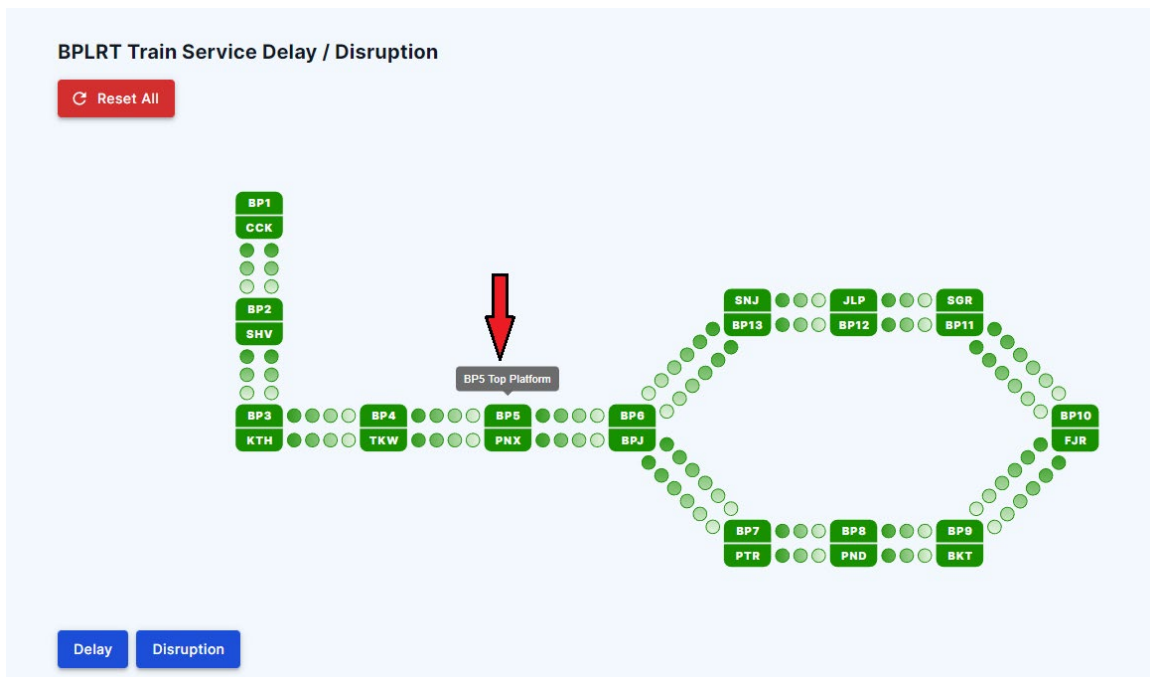
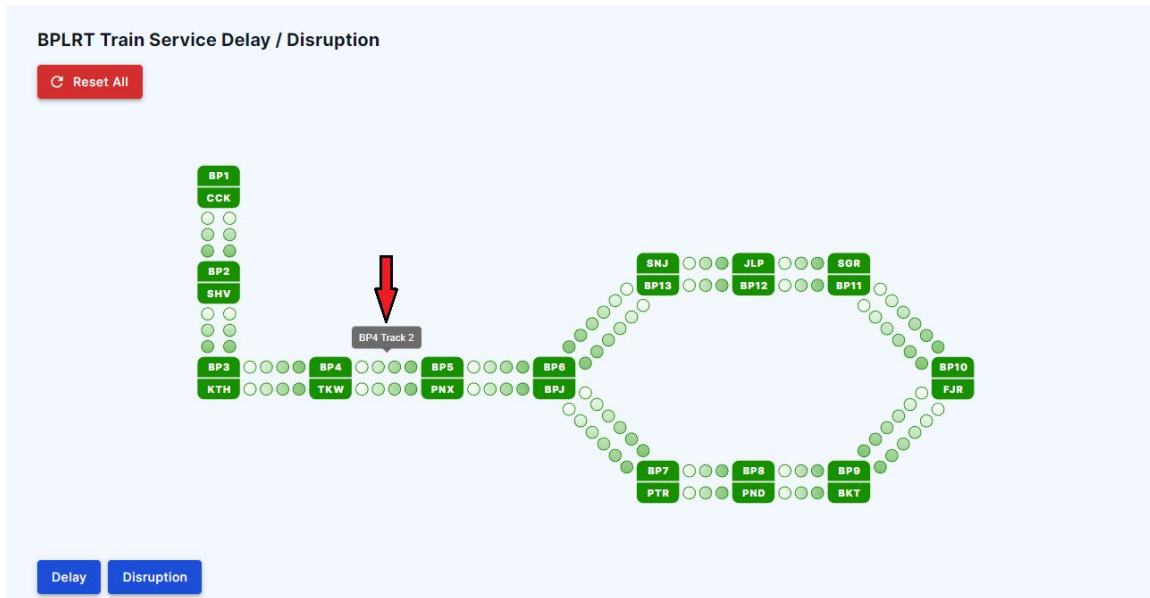
De-activate Equipment Breakdown

Click on the slider switch beside “BP6 Announcement” to de-activate the lift 3 breakdown announcement.



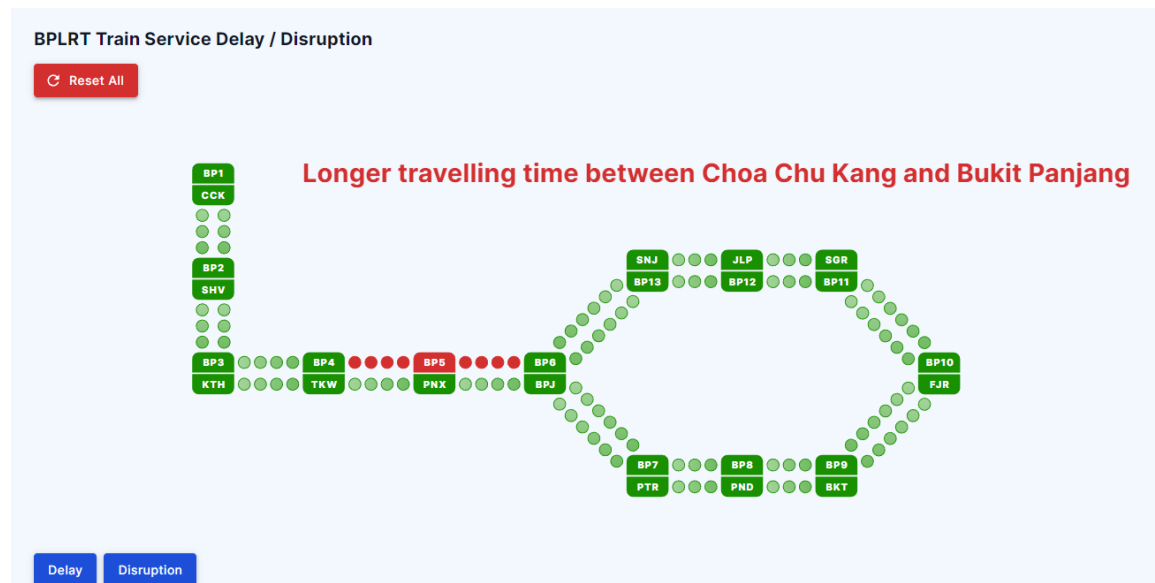
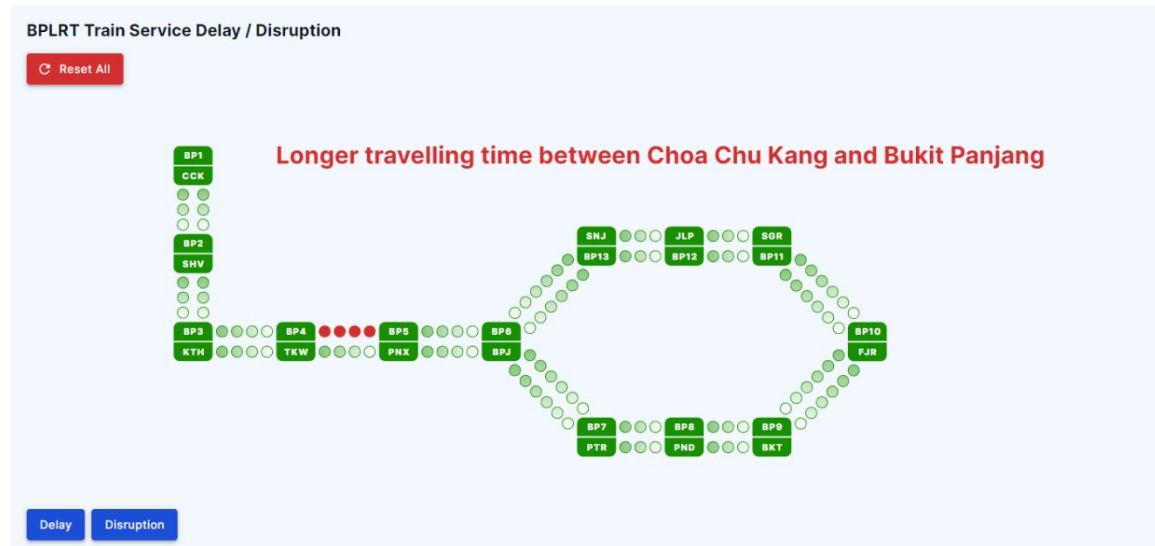
SMP MAP

By hovering the mouse over the station label (e.g. BP5) or the dotted line, the cursor will show the corresponding platform number or track number.



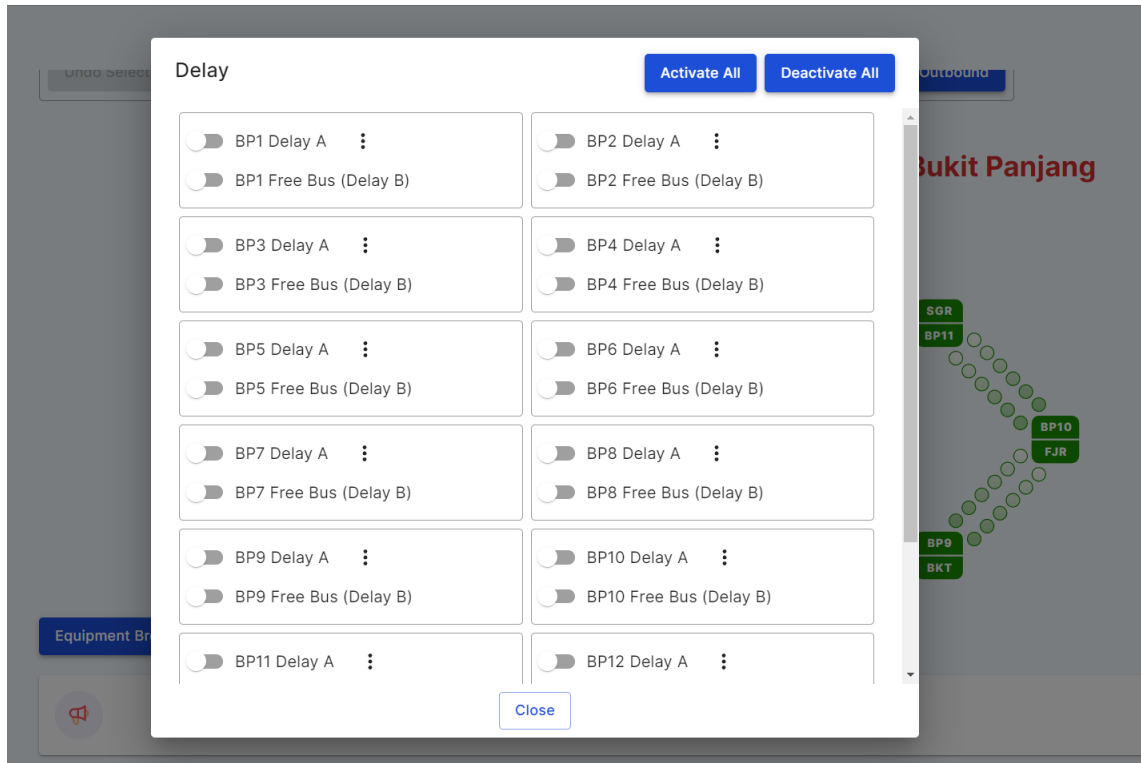
Longer Travelling Time

Longer Travelling Time applies to single track disruption, by selecting a track or single platform, it will generate a longer travelling time message in the SMP.

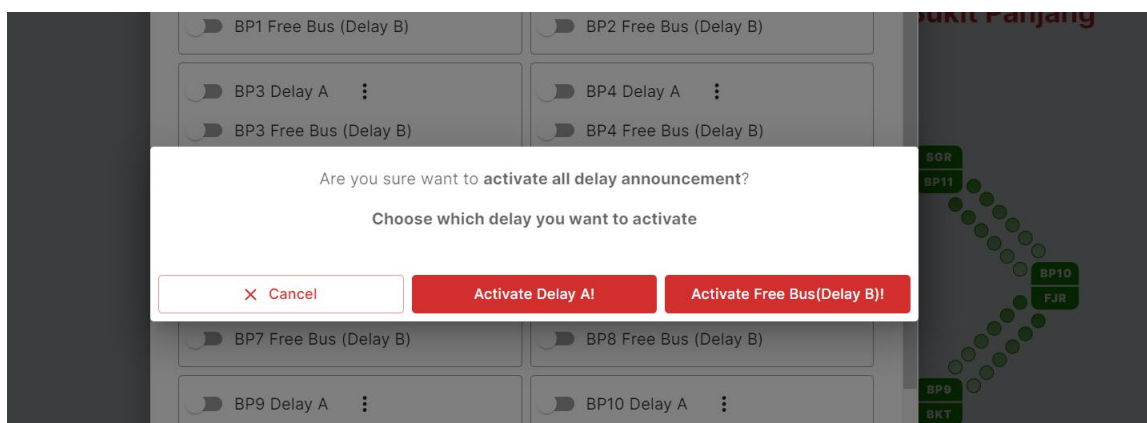


Activate Delay Event

To activate a “Delay” event, click on the “Delay” button and will pop up the following screen.



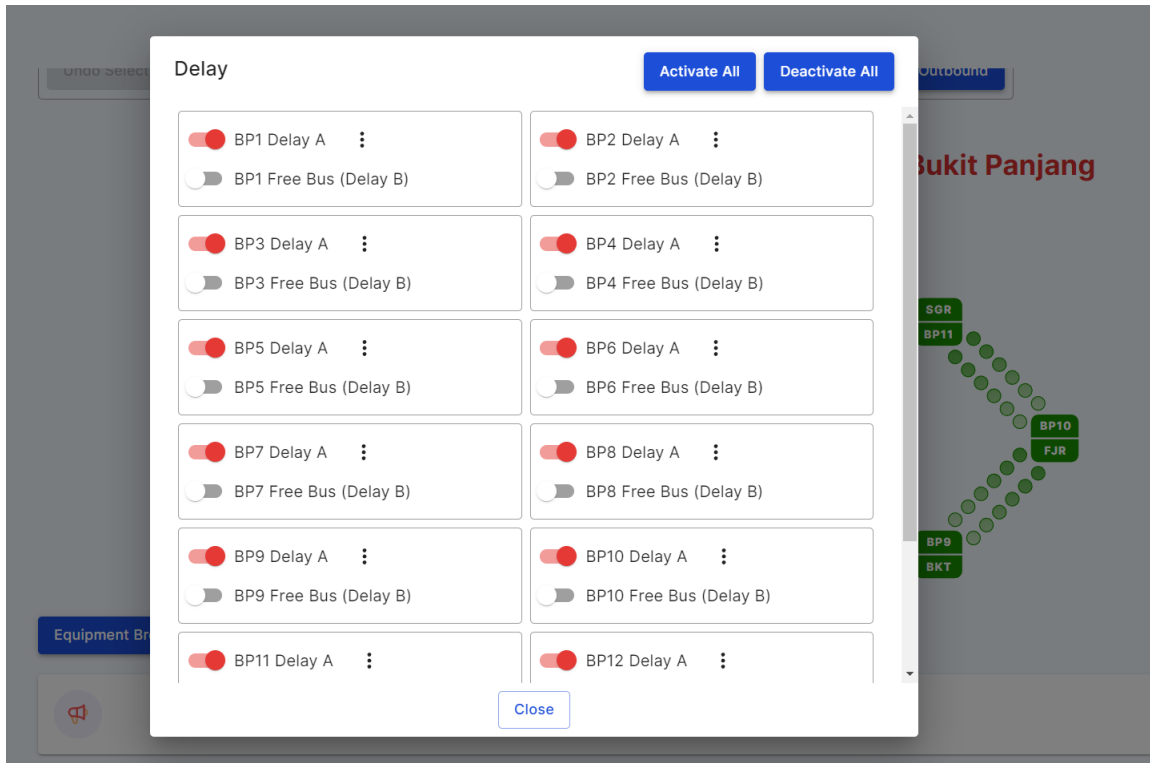
User will have a choice to activate the correspondence delay event to selected stations or click on the “Activate All” button for all stations.



User will have option to activate all “Delay A” with no free bus services OR activate all “Delay B” with free bus services announcement.

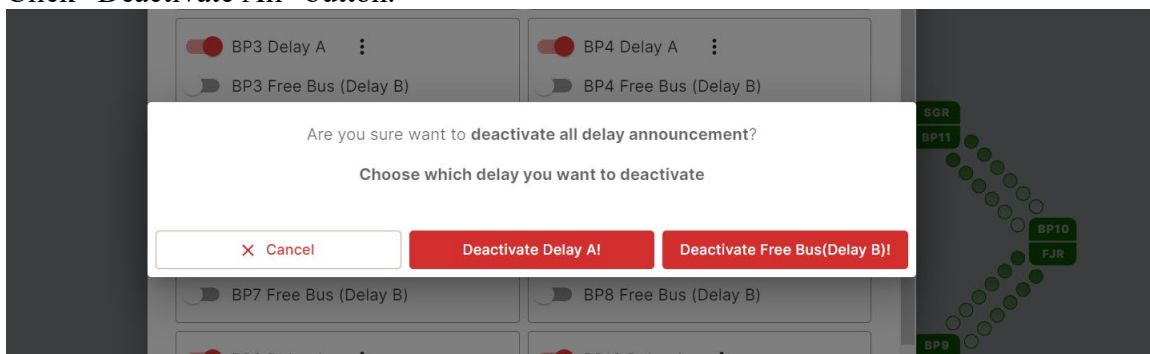
Deactivate Delay Event

To de-activate a “Delay” event, click on the “Delay” button and will pop up the following screen.



User will have a choice to deactivate the correspondence delay event to selected stations or click on the “Deactivate All” button for all stations.

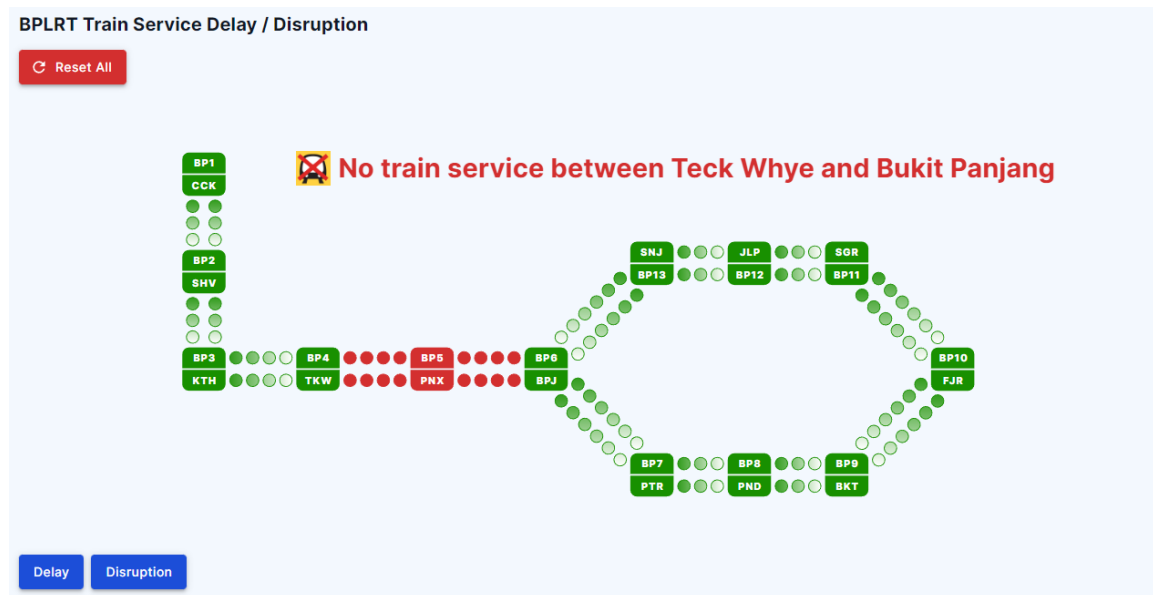
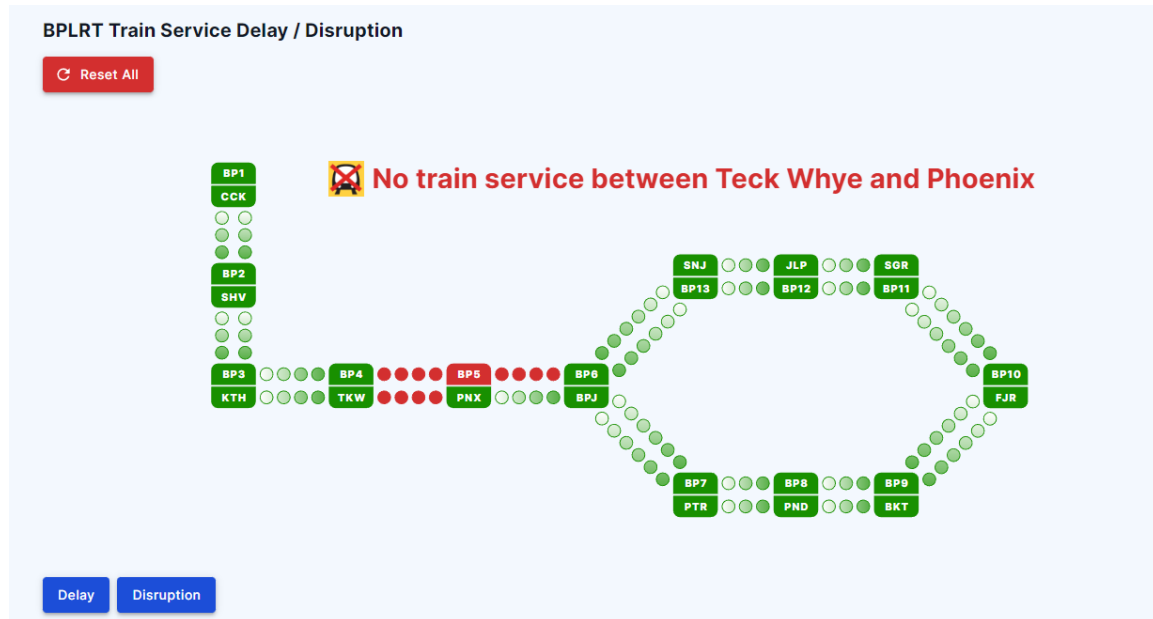
Click “Deactivate All” button.



Click “Deactivate Delay A” or “Deactivate Delay B” button to turn off all delay announcements.

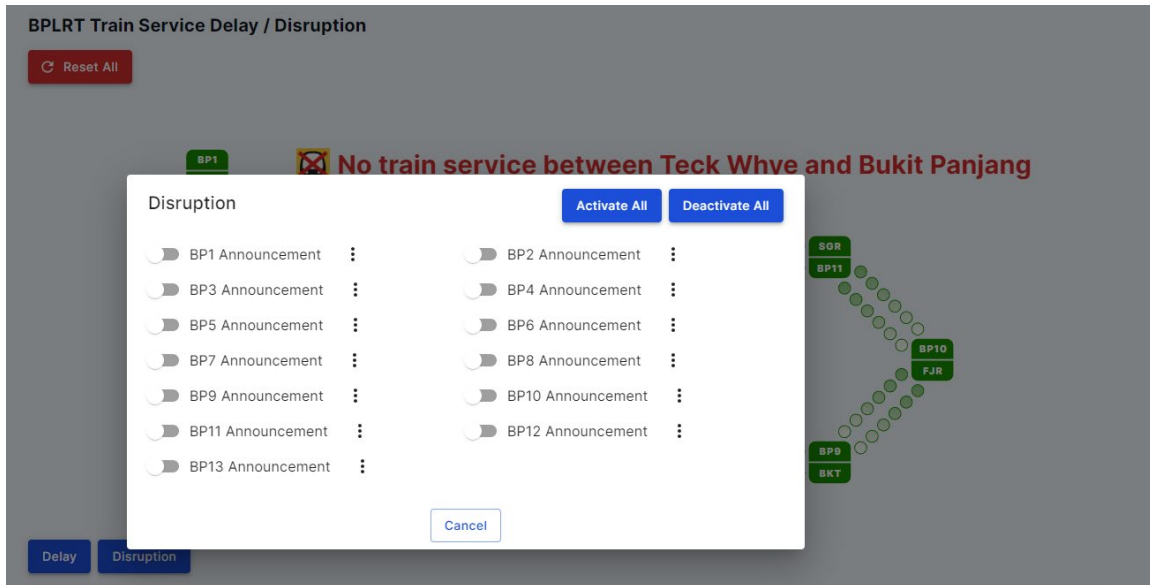
No Train Services

No train services apply to double track disruption, by selecting on both track or both platform, it will generate a no train services message in the SMP.

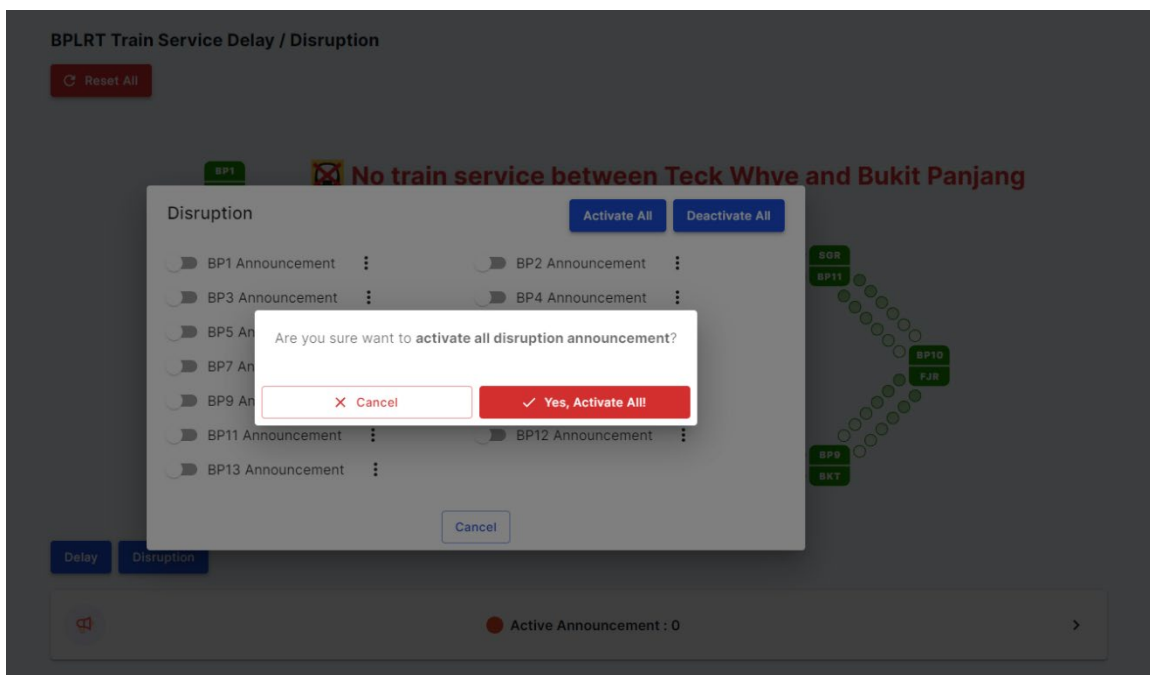


Activate Disruption Event

To activate a “Disruption” event, click on the “Disruption” button and will pop up the following screen.

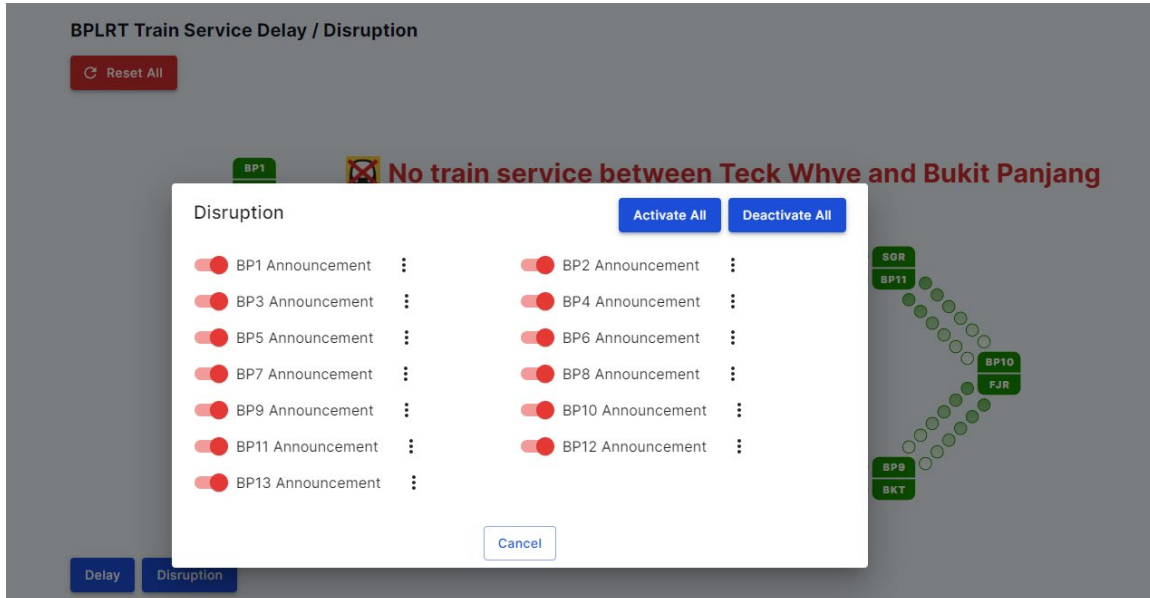


User will have a choice to activate the correspondence disruption event to selected stations or click on the “Activate All” button for all stations.



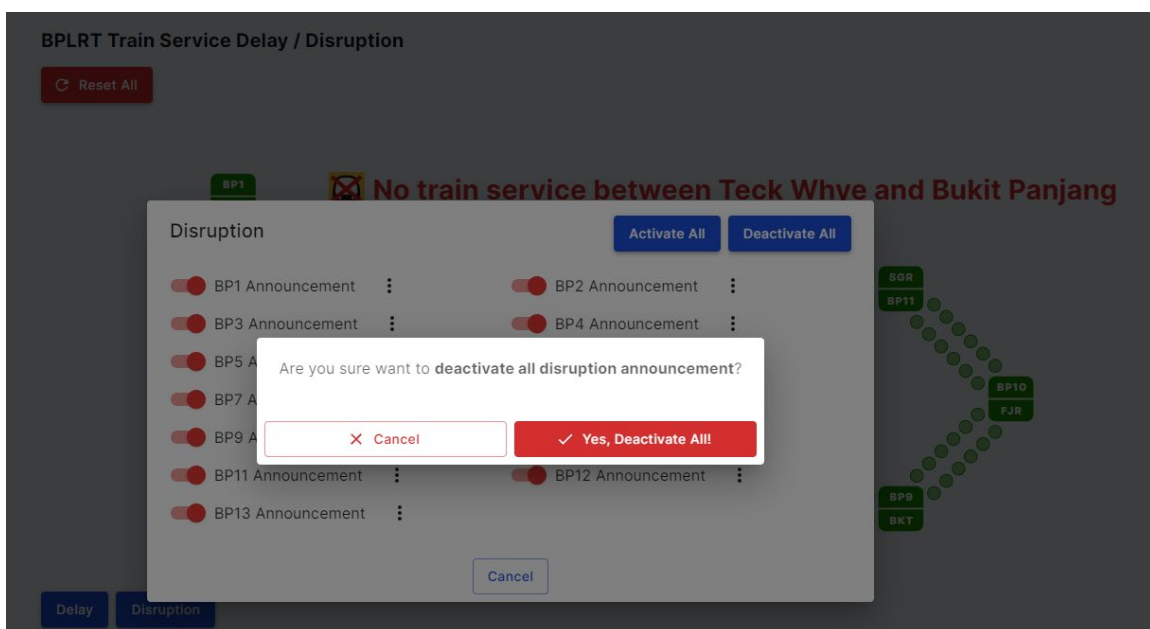
Deactivate Disruption Event

To de-activate a “Disruption” event, click on the “Disruption” button and a pop-up with the following screen will appear.



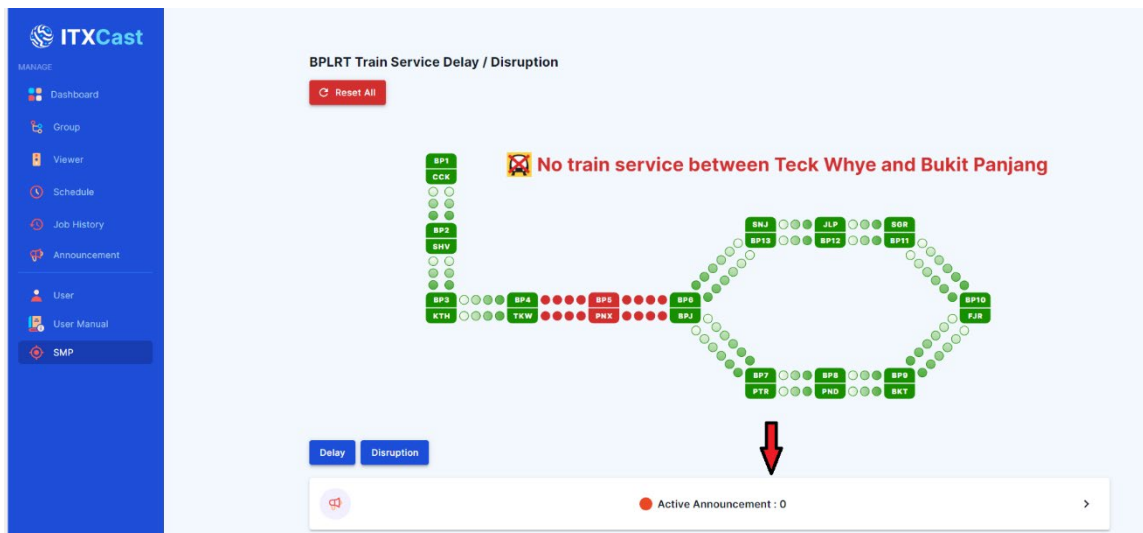
User will have a choice to deactivate the corresponding disruption event to selected stations or click on the “Deactivate All” button for all stations.

Click “Deactivate All” button.



Best Practices

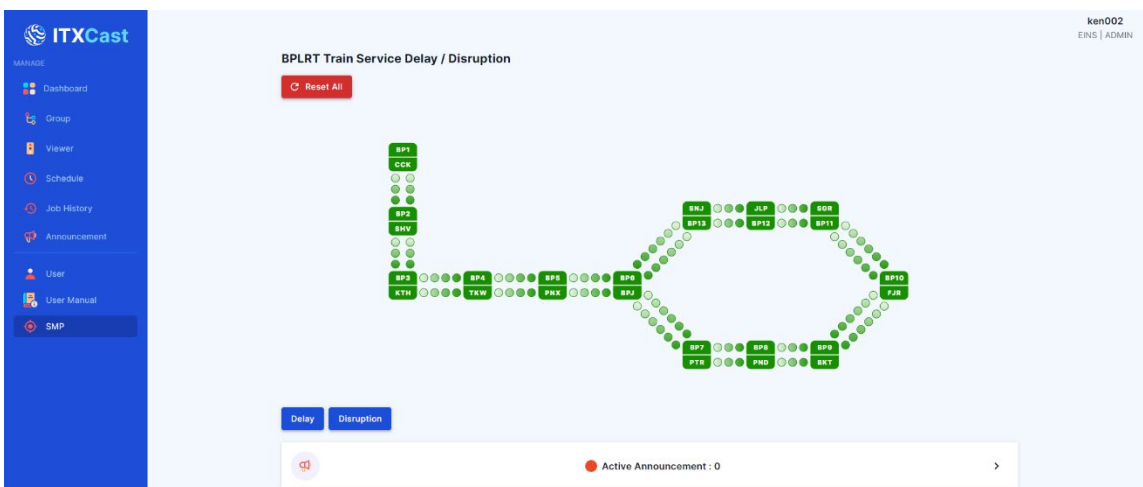
SMP map



With the example screen shot above, a “station down” event occurred and has been normalized, the status shows all disruption events has been cleared and all announcements had been turned off.

It is recommended that operators click the “Reset All” button to clear the SMP map selections when all events are clear. This is to prevent any accidental trigger of any “Delay” or “Disruption” event will would result in broadcasting wrong information.

The screen shot below shows the default status of how the SMP map should look like when there is no “Delay” or “Disruption” event.



When “Delay” or “Disruption” event is activated

After a “Delay” or “Disruption” event is activated, it is NOT recommended to activate any other announcements e.g., “Equipment breakdown”. By doing so, it will overwrite the “Delay” or “Disruption” messages shown on the DS screen.

ItxCast Announcement System is designed to act on the latest announcement sent by the user, it is the user’s responsibility to ensure that any delay or disruption announcements broadcasted to the respective digital signages is the intended announcement.

What announcements had been activated?

There are 3 ways to check which announcements are currently activated.

1. Dashboard
2. SMP
3. Announcement

To deactivate announcement, refer to [Announcement](#)

Dashboard

The “Active Announcement: 1” is indicating currently there is 1 announcement being activated.

The screenshot shows the ITXCast dashboard for user 'ken002'. The left sidebar contains navigation links: Dashboard, Group, Viewer, Schedule, Job History, Announcement, User, User Manual, and SMP. The main area displays an overview with four summary cards: 18 Total Viewers, 4 Active Viewers, 14 Top Level Groups, and 15 Active Schedules. Below these is a section for 'Active Announcement: 1', indicated by a red arrow. This section shows a list of recent announcements, including 'BP6-2 - Bukit Panjang', 'BP12 - Jelapang', 'BP6-1 - Bukit Panjang', 'BP6-3 - Bukit Panjang', and 'DS-Test-01'. Each announcement has an 'Active' status indicator. To the right, there is a 'Schedules' section with a list of upcoming schedules, including 'BP13 - Senja - Peace time', 'BP12 - Jelapang - Peace time', 'BP11 - Segar - Peace time', 'BP10 - Fajar - Peace time', and 'BP9 - Bangkit - Peace time'. Each schedule also has an 'Active' status indicator.

Clicking on the “down” arrow located on the right will bring down the list of activated announcements.

This screenshot shows the same ITXCast dashboard, but with the 'Active Announcement: 1' section expanded. A red arrow points to the 'down' arrow on the right side of the section header. The expanded view shows a list of activated announcements, including 'BP13 - Senja - Equipment down Lift 2' with a link to a news article. Below this, there is a 'View all Announcement' link. The 'Recent' and 'Schedules' sections remain visible at the bottom of the screen.

SMP

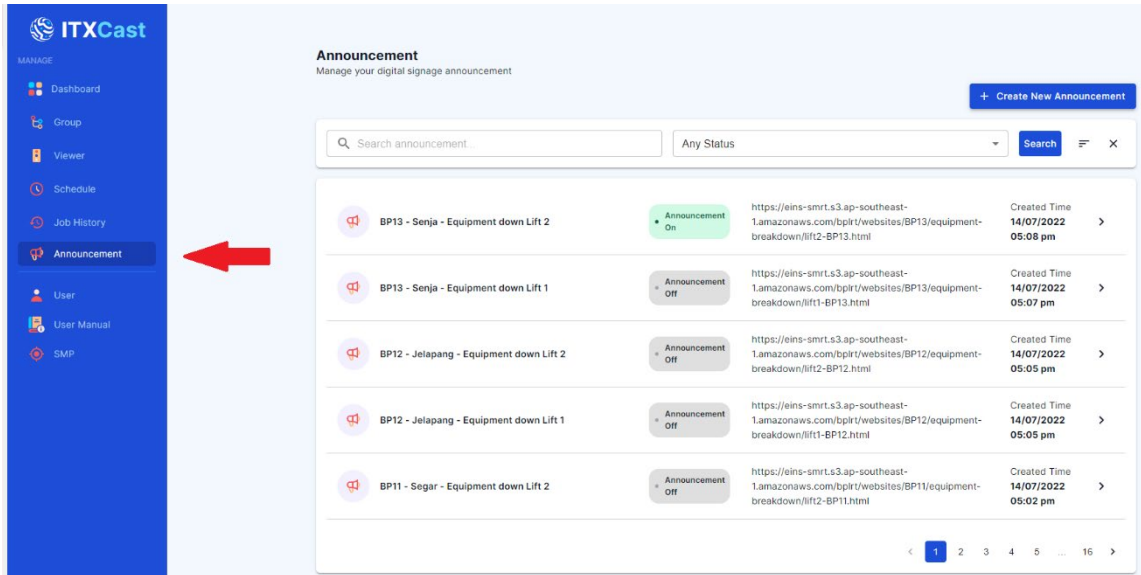
The screenshot shows the ITXCast SMP interface. On the left is a blue sidebar with a 'MANAGE' section containing links to Dashboard, Group, Viewer, Schedule, Job History, Announcement, User, and User Manual. The main area is titled 'BPLRT Train Service Delay / Disruption' and features a 'Reset All' button. Below the title is a map of the BPLRT train network with stations marked by green dots and labels. A red arrow points to the 'Active Announcement : 1' status bar at the bottom.

Clicking on the “down” arrow located on the right will bring down the list of activated announcements.

The screenshot shows the ITXCast SMP interface with the same sidebar and map as the previous image. The 'Active Announcement : 1' status bar at the bottom is expanded, showing a list of announcements. The first announcement is 'BP13 - Senja - Equipment down Lift 2' with a URL: <https://eins-smrt.s3.ap-southeast-1.amazonaws.com/bplrt/websites/BP13/equipment-breakdown/lift2-BP13.html>.

Announcement

Click the “Announcement” tab located at the side bar will display all the announcements as well as allowing users to view and filter announcement which has the status of “Announcement on”.



The screenshot displays the ITXCast web application interface for managing digital signage announcements. On the left, a blue sidebar contains a 'MANAGE' section with various navigation options. The 'Announcement' option is highlighted, and a red arrow points to it. The main content area, titled 'Announcement' with the subtitle 'Manage your digital signage announcement', features a '+ Create New Announcement' button and a search bar. Below the search bar, a table lists five announcements. Each row includes a location identifier, a status indicator (green for 'On' and grey for 'Off'), a URL, and a creation timestamp. The table is paginated, showing 16 items in total.

Location	Status	URL	Created Time
BP13 - Senja - Equipment down Lift 2	Announcement On	https://eins-smrt.s3.ap-southeast-1.amazonaws.com/bplrt/websites/BP13/equipment-breakdown/lift2-BP13.html	14/07/2022 05:08 pm
BP13 - Senja - Equipment down Lift 1	Announcement Off	https://eins-smrt.s3.ap-southeast-1.amazonaws.com/bplrt/websites/BP13/equipment-breakdown/lift1-BP13.html	14/07/2022 05:07 pm
BP12 - Jelapang - Equipment down Lift 2	Announcement Off	https://eins-smrt.s3.ap-southeast-1.amazonaws.com/bplrt/websites/BP12/equipment-breakdown/lift2-BP12.html	14/07/2022 05:05 pm
BP12 - Jelapang - Equipment down Lift 1	Announcement Off	https://eins-smrt.s3.ap-southeast-1.amazonaws.com/bplrt/websites/BP12/equipment-breakdown/lift1-BP12.html	14/07/2022 05:05 pm
BP11 - Segar - Equipment down Lift 2	Announcement Off	https://eins-smrt.s3.ap-southeast-1.amazonaws.com/bplrt/websites/BP11/equipment-breakdown/lift2-BP11.html	14/07/2022 05:02 pm