

## Release-Notes for v3

- The delivery of v3 package contains the following files
  - `app-release.apk`: Full version of the app
  - `FloeNavi-SyncServer-Patch-2.0.0.zip`: Incremental update for the SyncServer
- The upgrade of the SyncServer requires an installed SyncServer v1.

## Features in v3

### SyncServer

- Synchronisation
  - Logistical Installations
  - Grid Configuration
  - Device Information and Operations
- Sending Configuration Information to the app
  - Admin PIN
  - Security PIN
  - Mothership MMSI
- Providing overlay map image and configuration for the app
- Support for overwriting the grid using a new grid from the app
  - Upload folder on SyncServer host

### FloeNavi-App

- Grid Configuration
  - Grid with Origin and X-Axis
  - Adding and removing additional base stations
- Grid View
  - Showing Logistical Installations
  - Displaying Waypoints
  - Tracking of Mobile Stations
  - Showing Base Stations (origin, x-axis and additional)
  - Shows Mothership
  - Zoom and Pan
  - Map image overlay
  - Waypoints, Logistical Installations and Base Stations can be hidden
  - Popup shows name, lat/lon and x/y of each icon
- Creation
  - Logistical Installations
  - Device Operations with joined Logistical Installations
  - Waypoints
- Synchronisation
  - Logistical Installations
  - Device Information and Operations
  - Grid Origin and X-Axis

- Map support
  - Download of map from the SyncServer
  - Rotation and Scaling
  - Tracking map using origin and x-axis station

## Detailed Feature Description

### Map support

Displaying a map image in the app requires two files to be stored in a admin-defined directory on the SyncServer host. The directory used for providing those files is configured in the `application.yaml` file with the keyword `maps`

The example `application.yaml` is provided in the upgrade instructions.

#### 1. The map image file `map.jpg`

- This must be a standard JPEG file. The app was tested with a jpg of size 3353x1731 pixel and 4MB. Images with 12Mpx (4000x3000) or higher should also be possible.
- The position of the origin and x-axis station need to be manually locatable on the image.

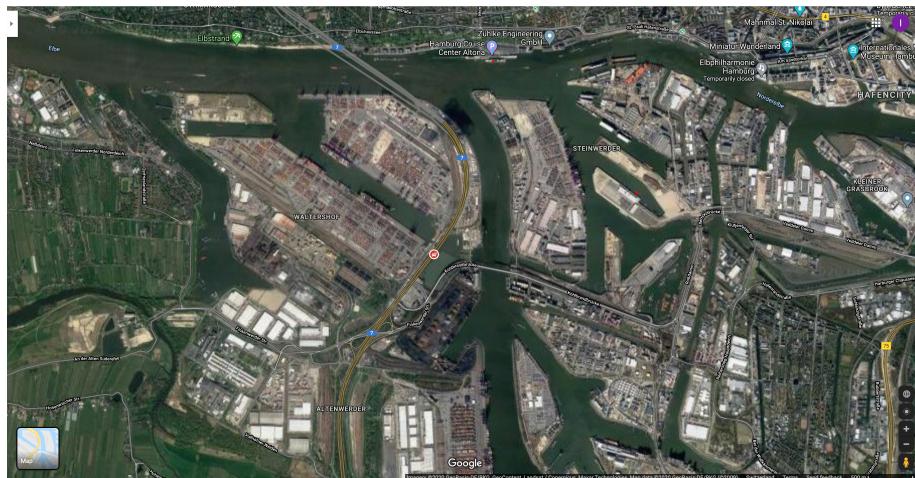


Figure 1: Beispielkarte

The origin stations is AIDAperla (red dot at Steinwerder Quay, right of center), the x-axis station is Europa2 (red dot at hamburg cruise center, center and top border).

#### 2. The image configuration file `map.info`

- The pixel coordinates of the two stations need to be specified

Example content of the file:

```
origin 2300 681  
x-axis 1774 201
```

- origin is at x=2300, y=681
- x-axis is at x=1774, y=201

The position x=0, y=0 is the top-left corner of the image

### 3. Disabling the map image

- Remove the files from the map directory on the SyncServer
- Perform a sync (download) from the SyncServer

If there is no image in the map directory on the SyncServer, the map image on the app will be deleted.

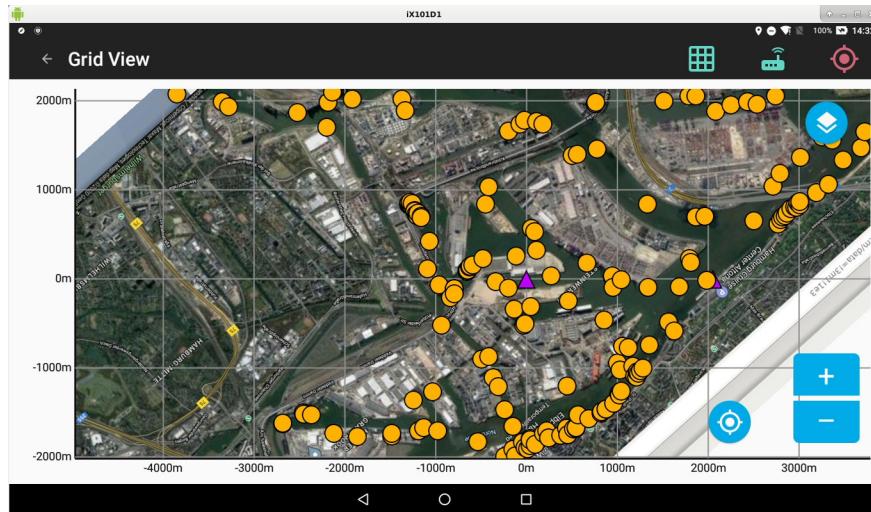


Figure 2: Beispielkarte

### Grid Deletion

If there is a grid configured on the SyncServer, and the grid on the app has been deleted with the security pin and a new grid has been initialised, the SyncServer must be prepared to receive the new grid from the app.

A specific url has to be called on the server and the admin token has to be provided.

The following curl command can be used to reset the grid on the SyncServer:

```
curl -X DELETE -H "Authorization: Bearer <token>" http://192.168.73.23/grid
```

<token> needs to be replaced by the `base64` encoded `adminToken` that is specified also in the SyncServer `application.yaml` file.

The example `application.yaml` is provided in the upgrade instructions.

The encoded token for the default admin token is `MDEyMzQ1Njc4WFY2RlZg==`.

## Known issues

### App

- Removing origin or x-axis base station not working
- Number of synced elements not shown
- Additional base stations are not synced between tablets

### SyncServer

- No support for deleting device information
- No support for tagging device operations “do not export” tag
- No extended logging of synchronisation elements
- No synchronisation of additional grid base stations