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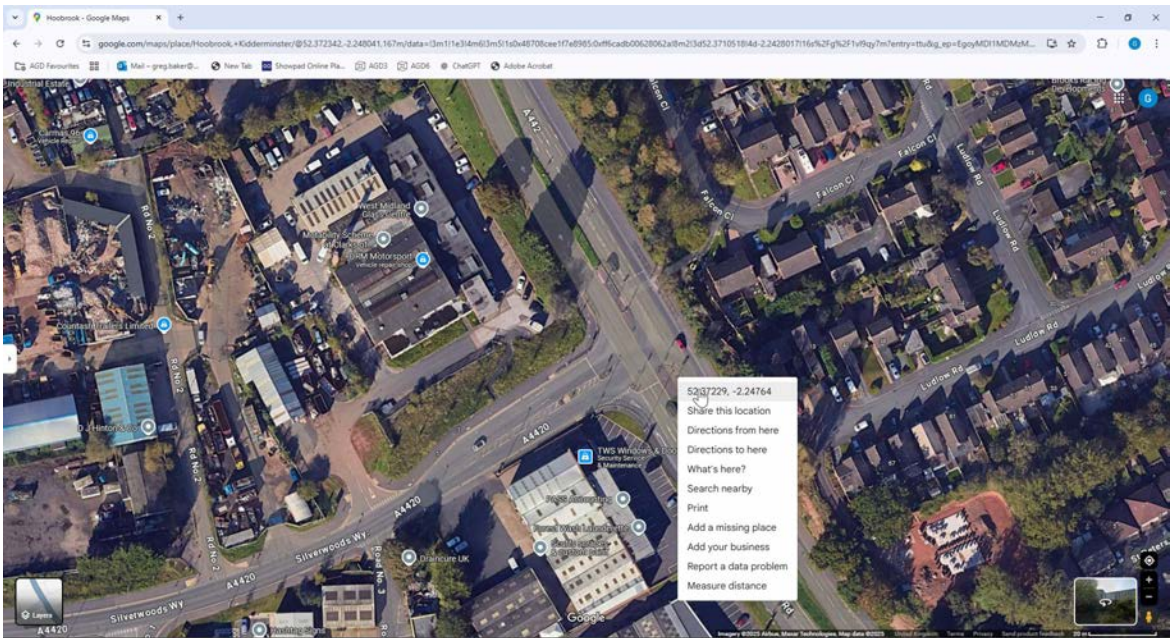
AGD352

Traffic Manager Configuration Guide

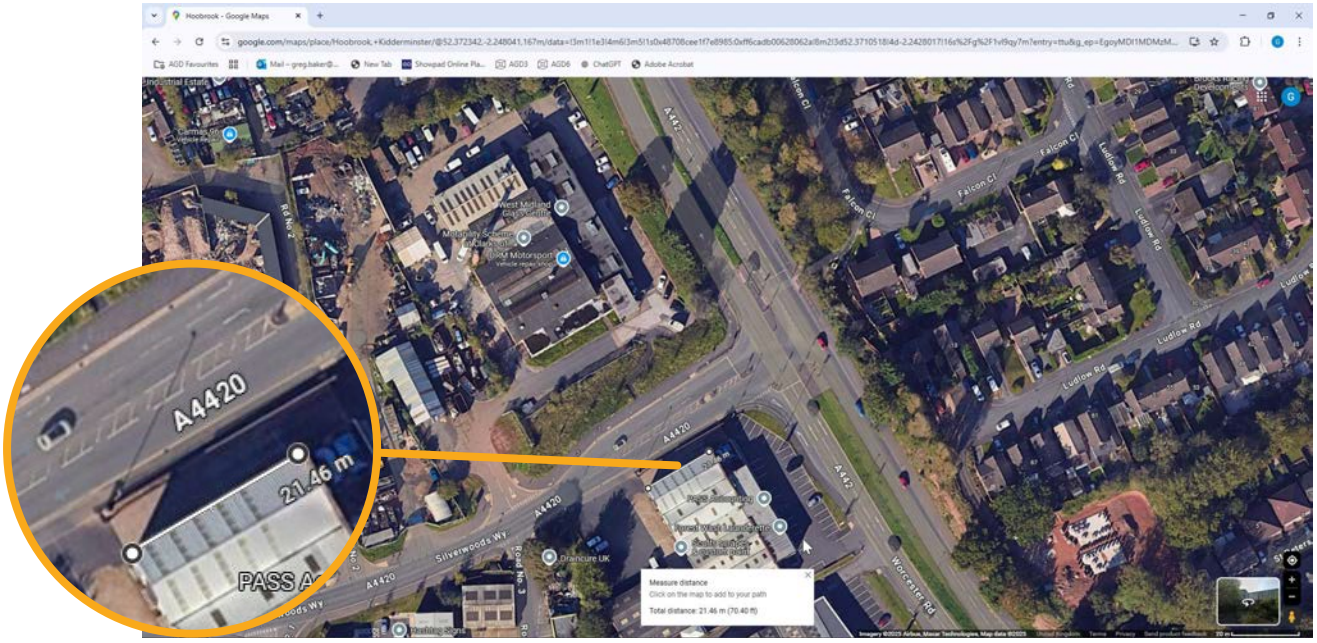
AGD-SYSTEMS.COM

Using Google Maps to capture the desired location, right click point of interest on the map where you wish to use the AGD352 radar to obtain the LAT/LON. Make a note of this reference.

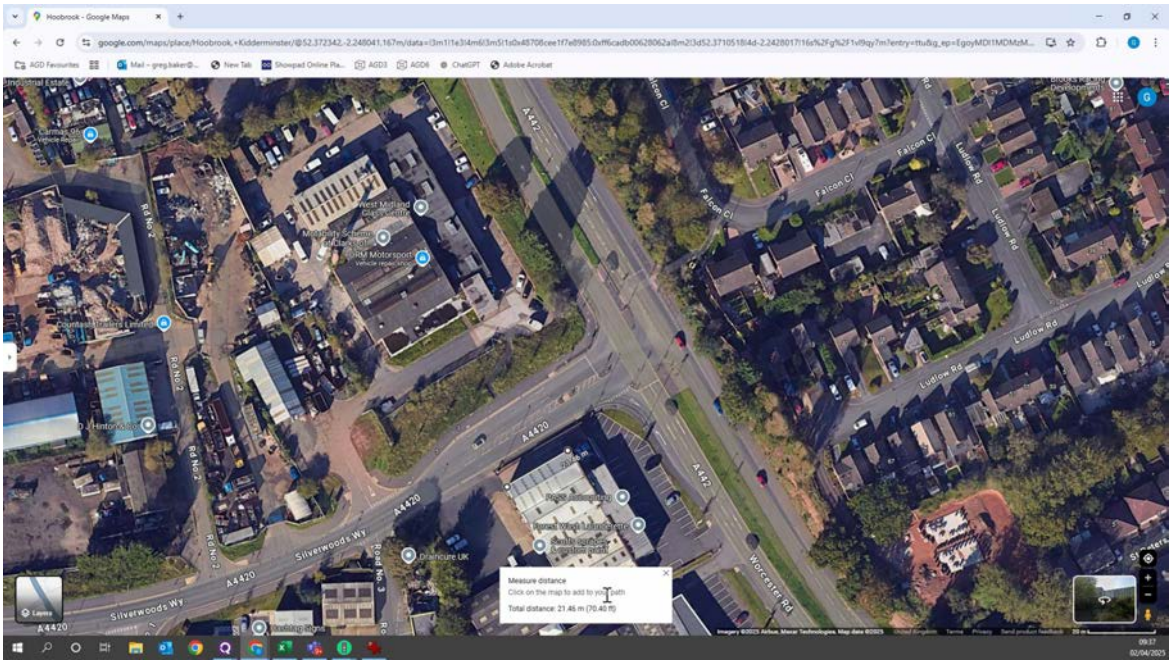


To configure Traffic Manager with accurate measurements, right click on Google maps to measure the distance between two points.. We recommend using a permenant feature such as a building for this measurement.

Hint: Google maps does have proven accuracy.

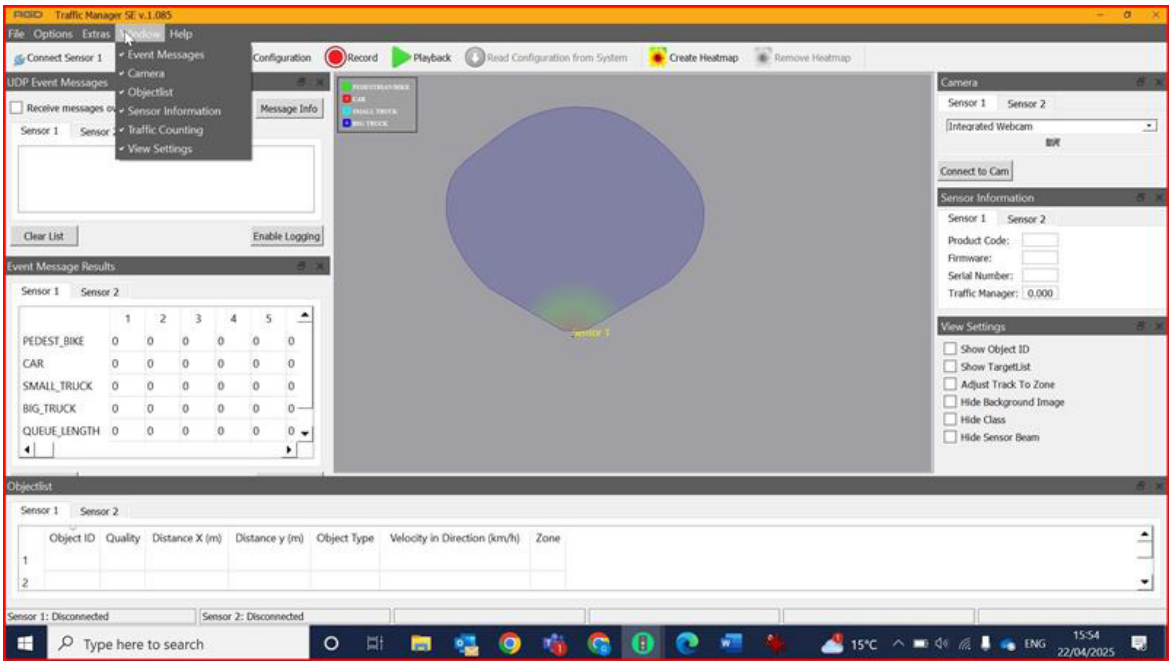


Position click the second point to get a measurement.



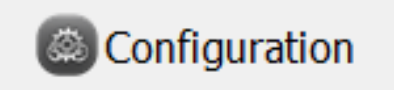
Launch Traffic Manager

Navigate to the Windows tab and disable all listed options



CONFIGURATION GUIDE

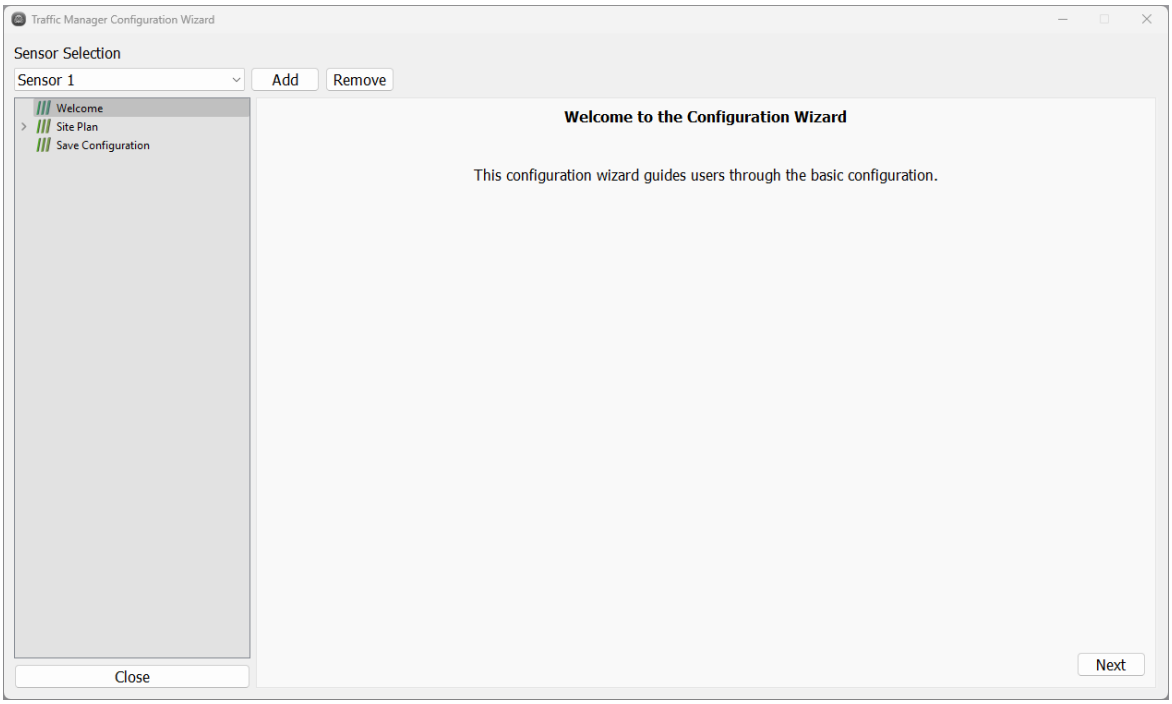
Open the configuration wizard by clicking on the 'Configuration' button.



The welcome screen and the overview of the configuration process are shown.

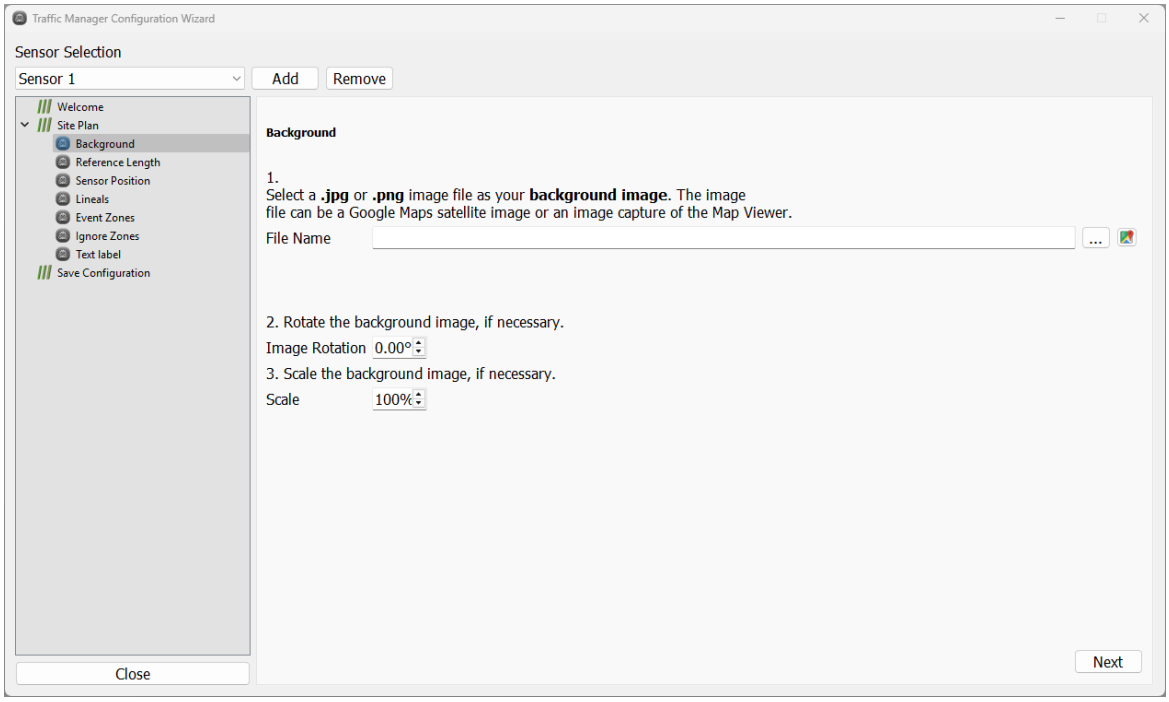
Open '**Site Plan**' to reveal the wizards stages.

Click '**Next**' to navigate through the different configuration menus.

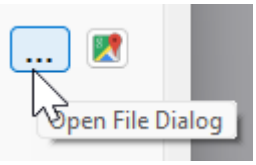


Background:
In the Background Menu an image of the scenery can be loaded. This is the basis for positioning your sensor(s) and defining the event zones for your application.

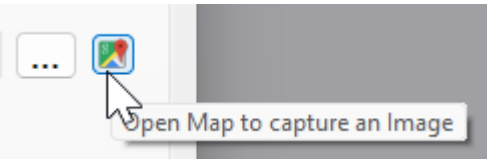
Hint: Rotate and Scale are available for the background image if necessary.



Option 1 Load a .jpg file or .png file from your hard drive.



Option 2 Open Google Maps with the built-in map viewer and capture the image for scenery configuration. The image is then automatically loaded into the scenery.



CONFIGURATION GUIDE

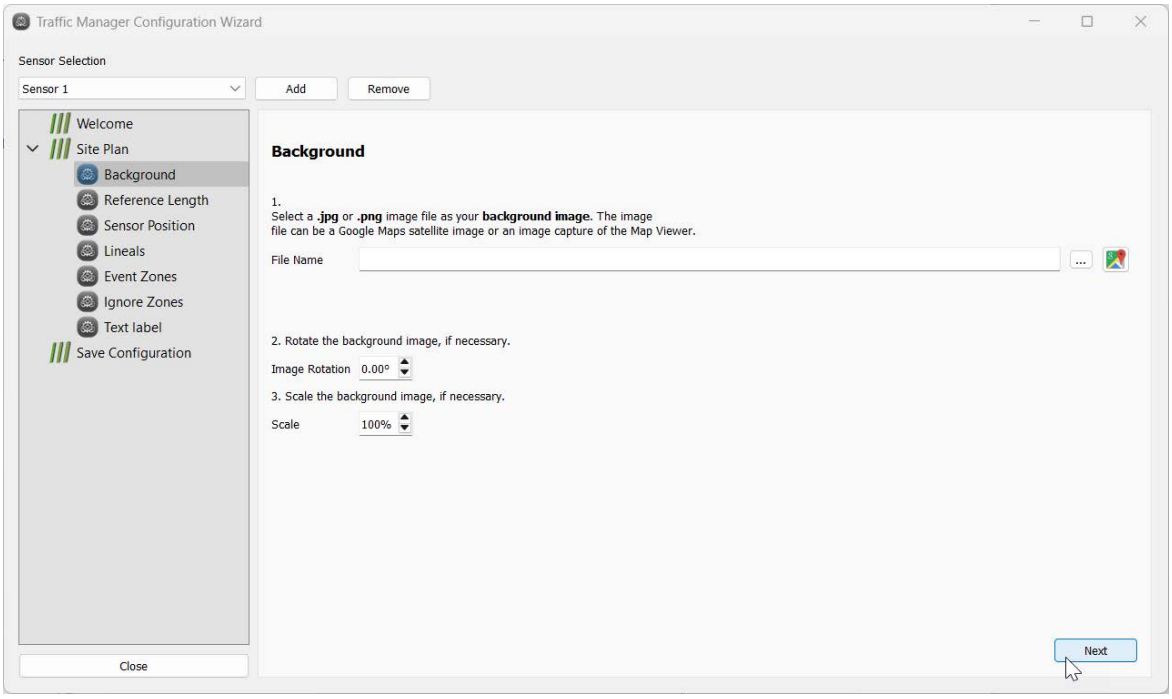
Paste LAT/LON into the Traffic Manager map viewer before selecting ‘Go to Location’.

Hint: Can also type in the address or use a zip/post code.

If required, further scroll and zoom to location before selecting ‘Capture Image’.

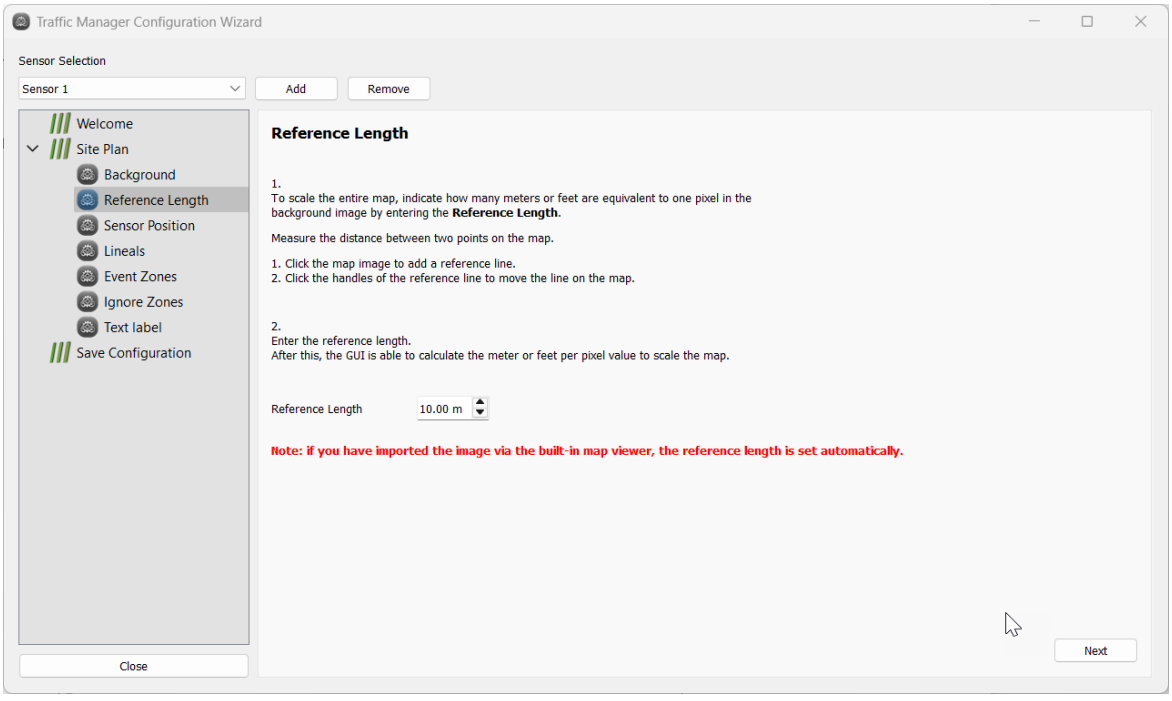
Hint: Switch off ‘Show Marker’ if not required.

Once the image is captured, click 'Next' to progress to the next stage of the configuration wizard.



Reference Length:
Traffic Manager needs a reference length set correctly, otherwise measured objects and radar coverage do not match to the image.

You can either measure the distance between two points by yourself or use Google Maps built-in functionality.

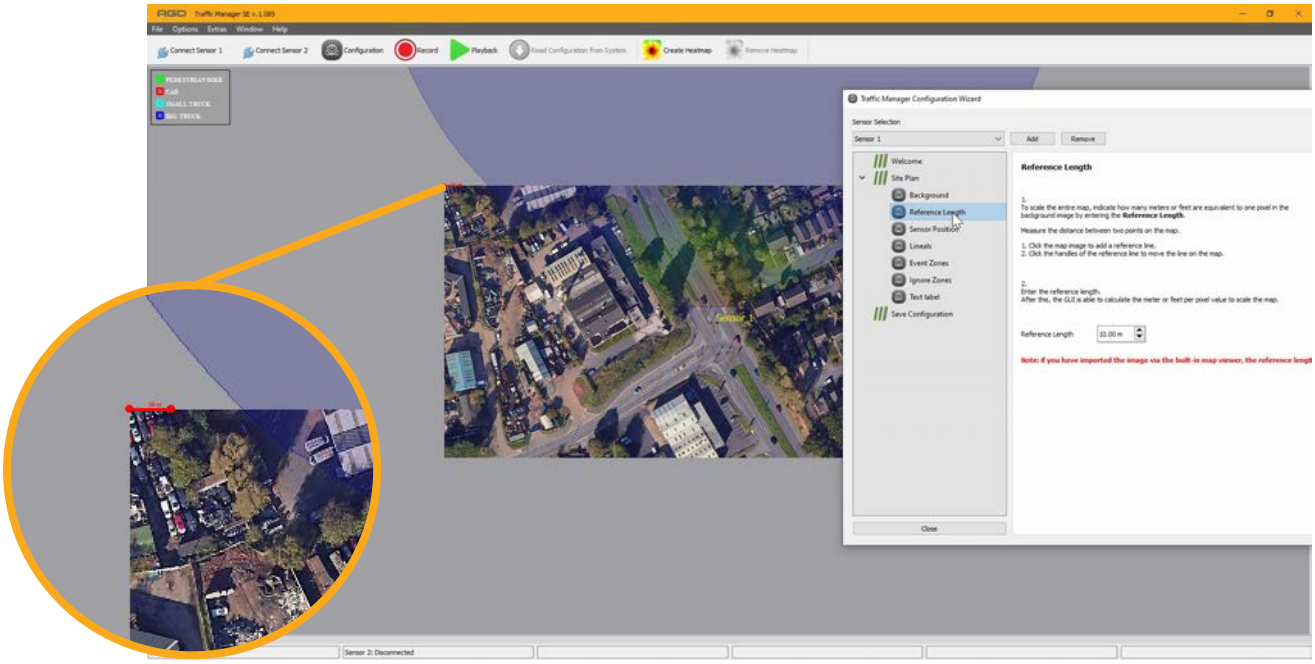


CONFIGURATION GUIDE

Selecting 'Reference Length' in the configuration wizard overlays the reference line top left of the map.

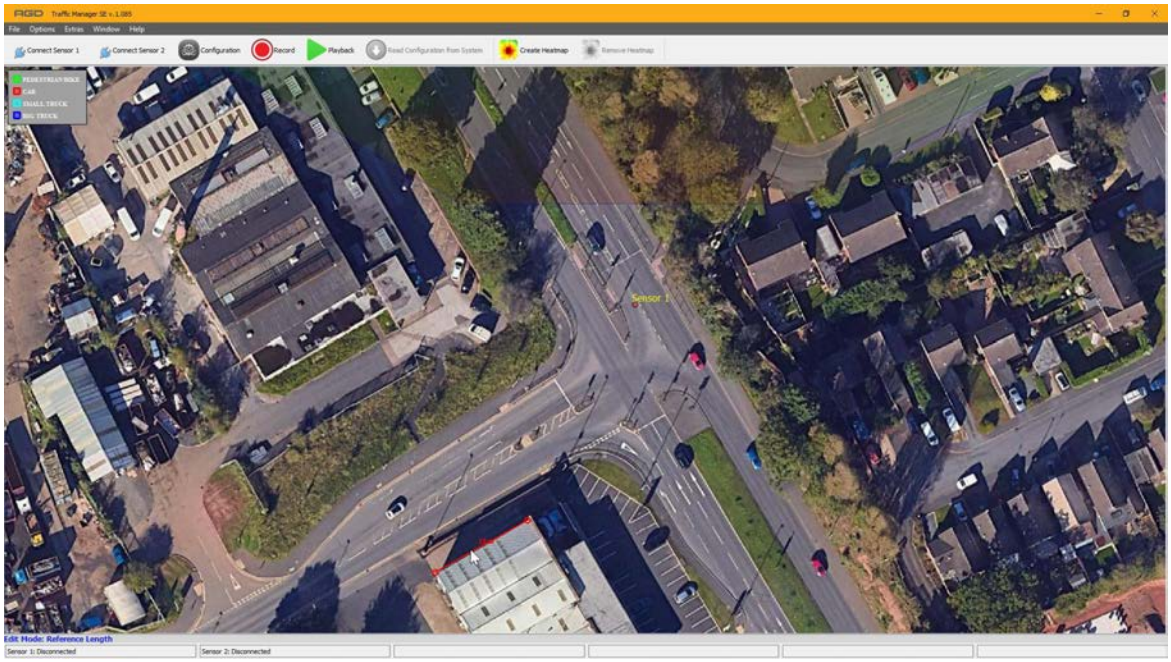
Best Practice: Always add Reference Length.

Google Maps provides accurate dimensions, but once imported into Traffic Manager, the image size may vary depending on screen settings.



Drag the end points of the reference line to the same two points measured in Google maps.

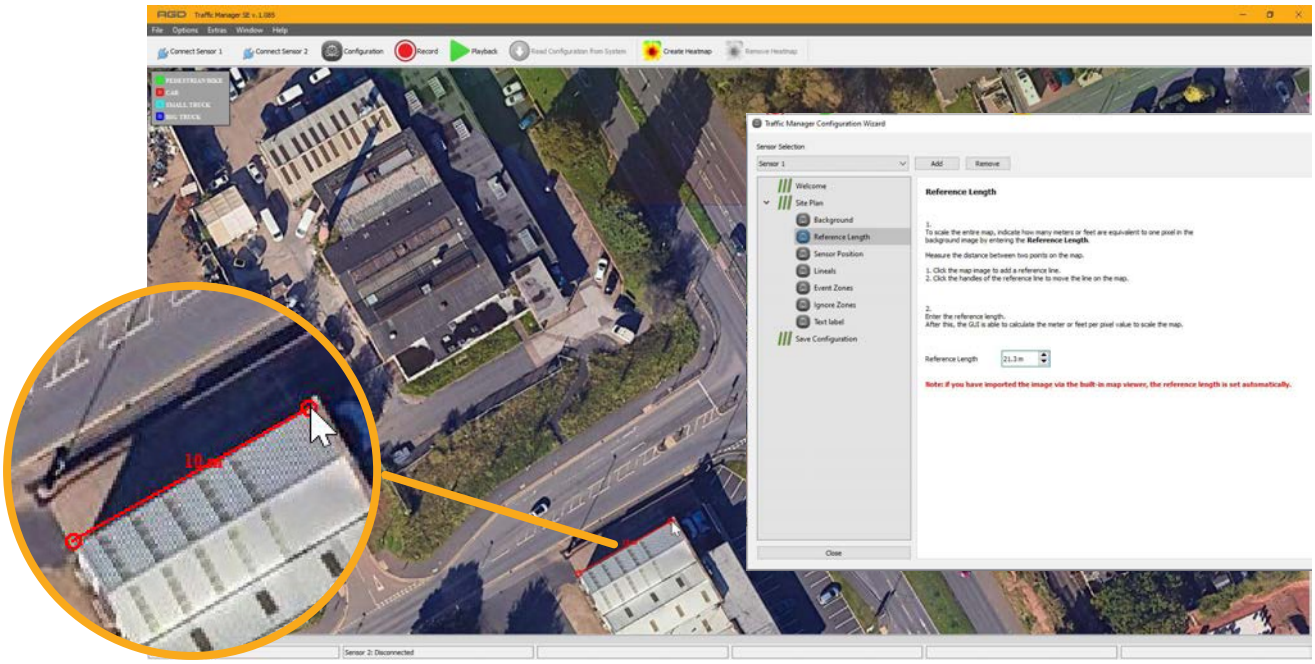
Note the measurement discrepancy.



CONFIGURATION GUIDE

Enter the correct length between the two points to match Google maps.

This correctly scales measured objects and radar coverage to the image.

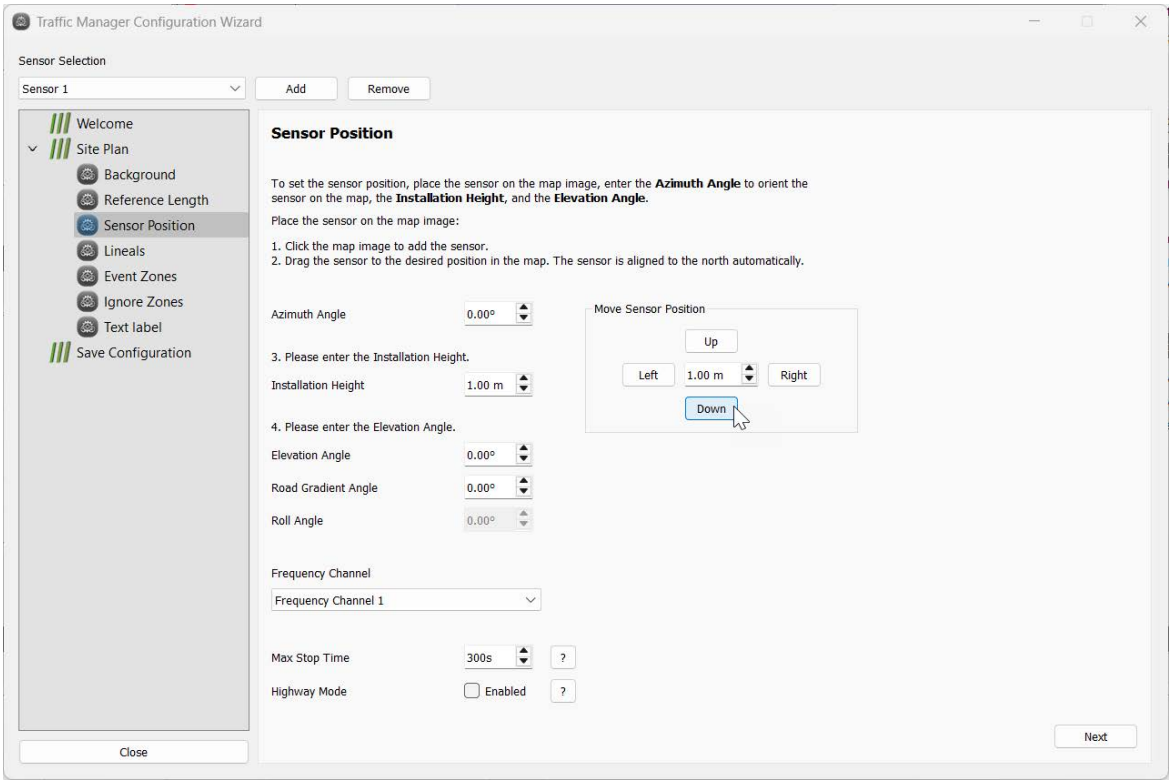


CONFIGURATION GUIDE

Sensor Position:
Use Up/Down and Left/Right Buttons to place the sensor's virtual position (red point) in the background image to the exact location where the AGD 352 is installed.

Then, set the installation height.

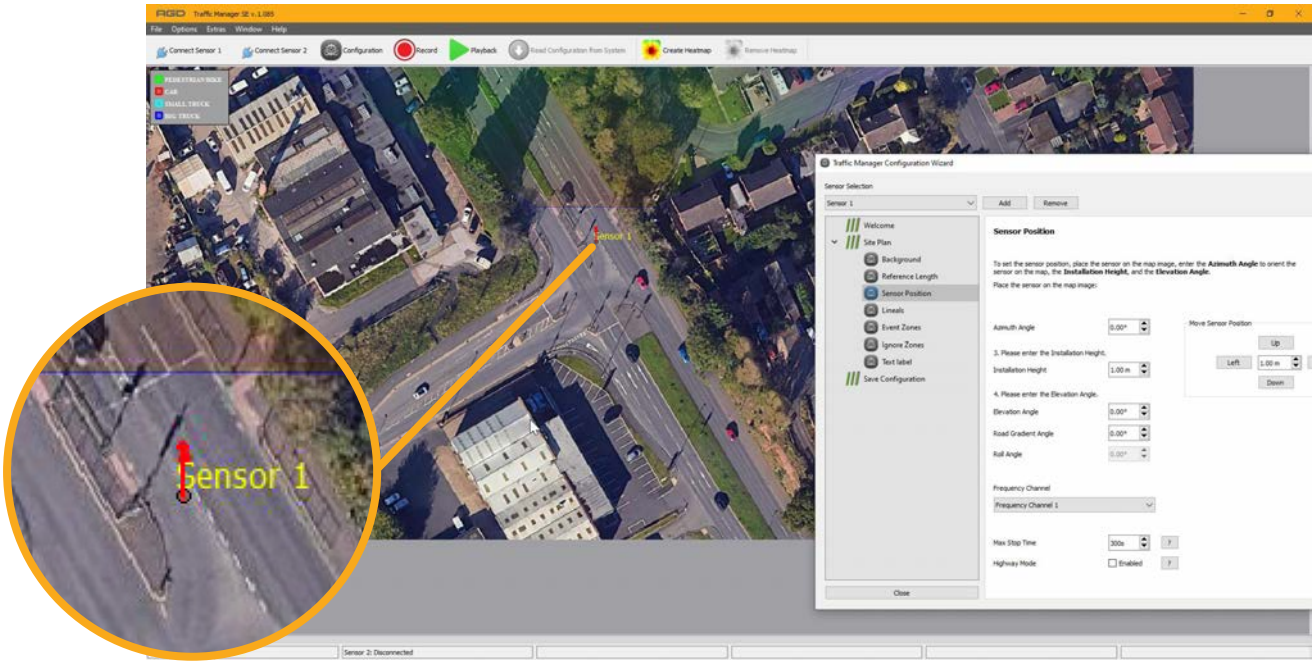
The elevation angle will be read from the sensor and corrected by the road gradient angle.



CONFIGURATION GUIDE

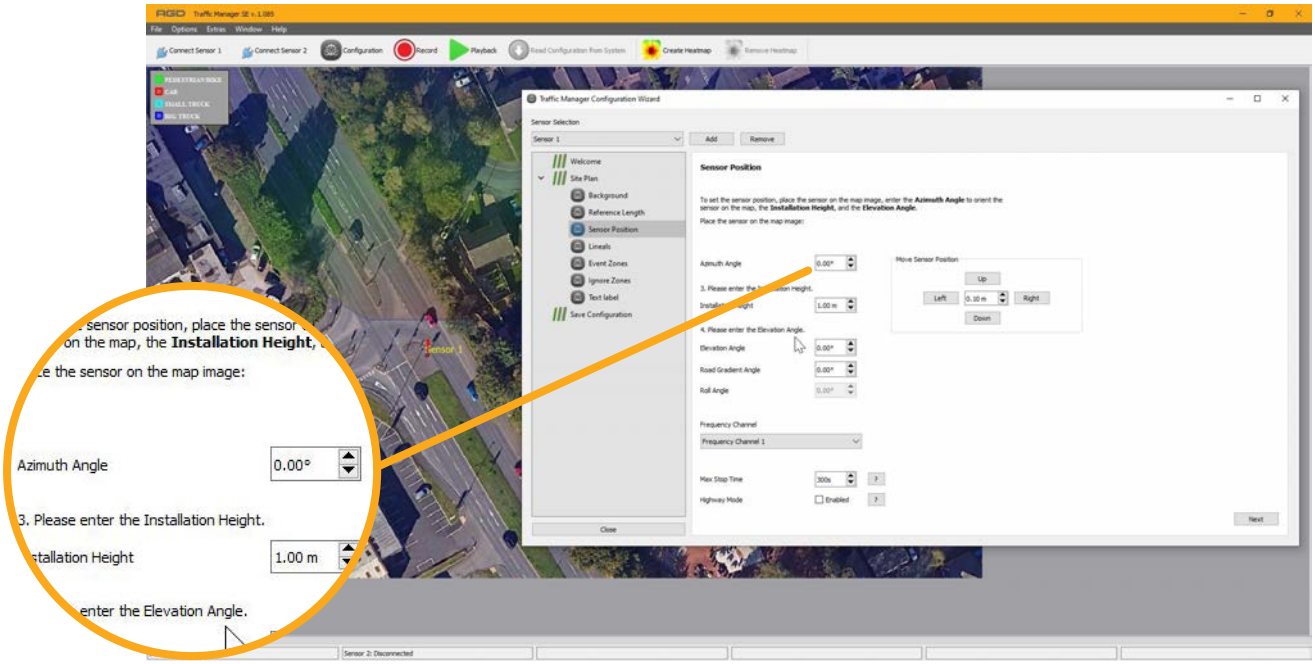
Alternatively for a rough step, manually click on the sensors red point to scroll into position.

Using the 'Move Sensor Position' options to fine tweak.



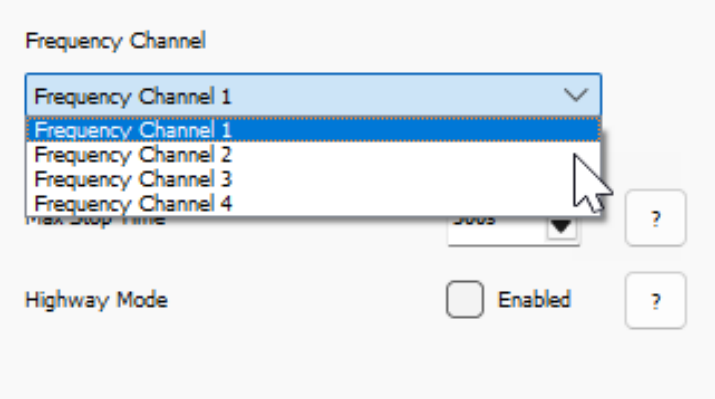
Select the sensors end point to manually rotate the radar's angle.

Use the 'Azimuth Angle' option to fine tune.



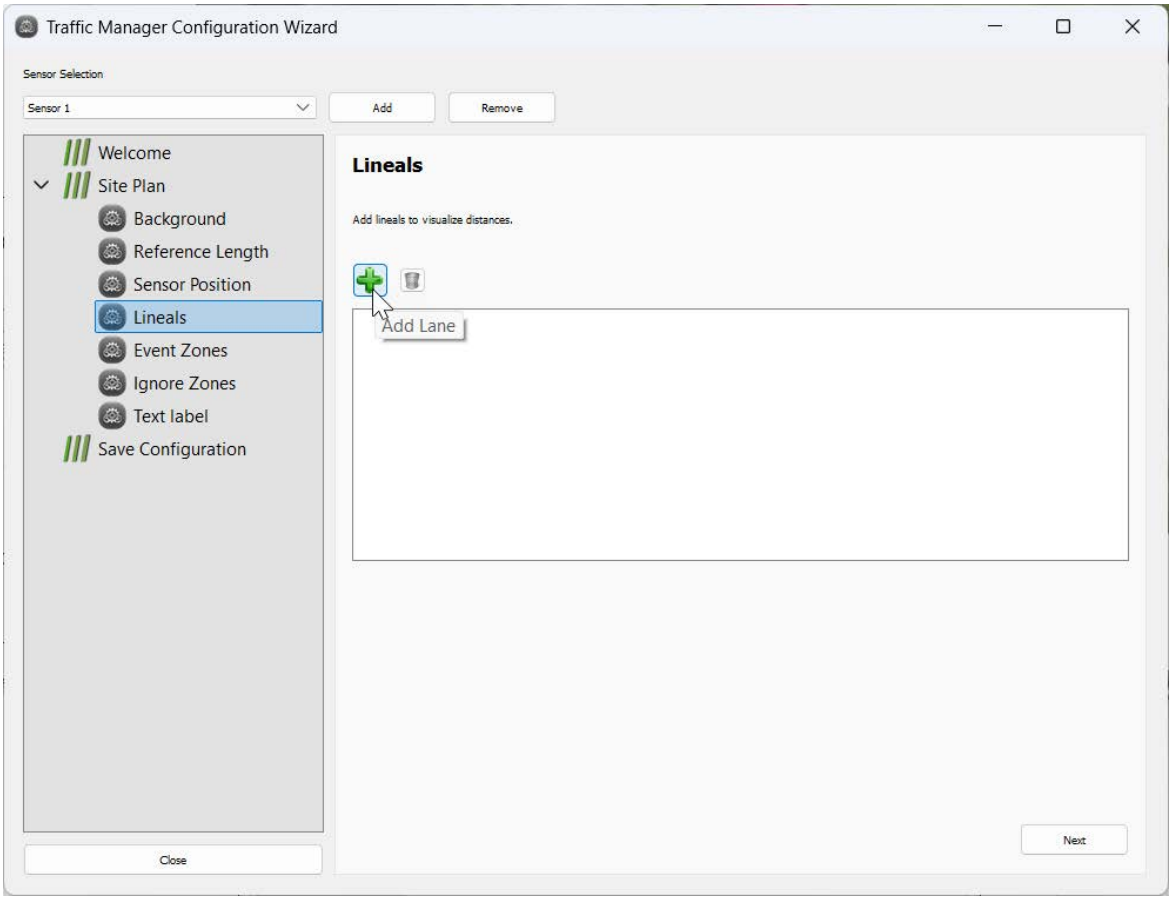
CONFIGURATION GUIDE

Hint: If you use more than one sensor, each sensor has to be set on a different frequency channel to avoid interference.



Lineals:
Lineals can be used to visualize distances in the configuration.

Click 'Add Line' icon to create.



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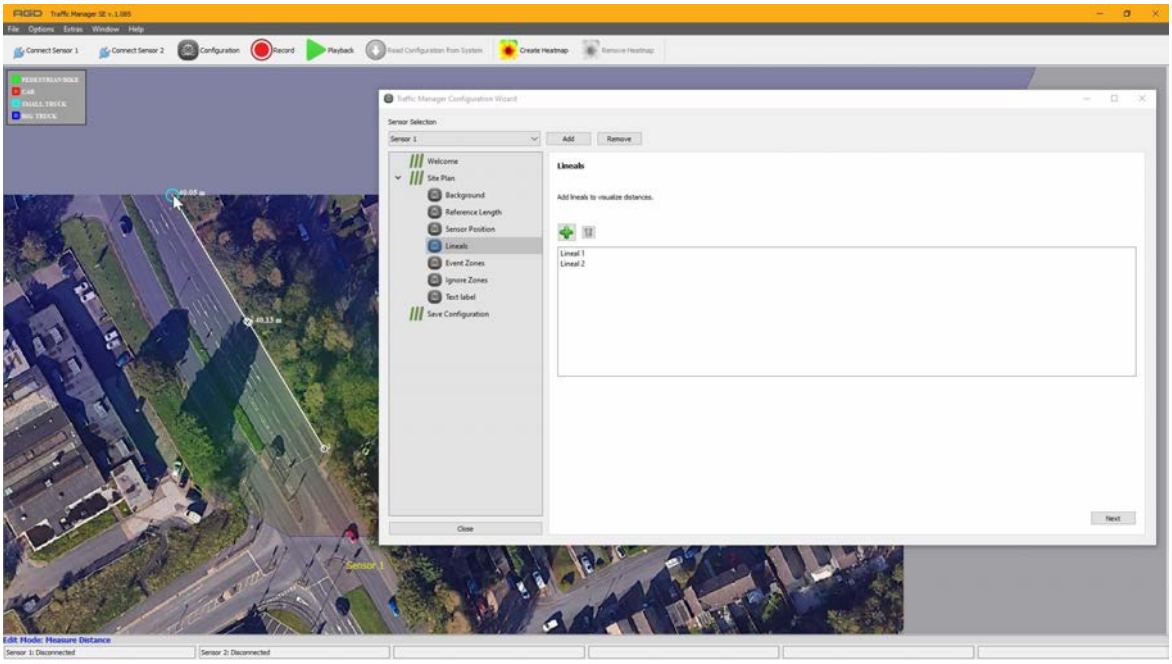
Multiple lines can be added.

Especially useful when measuring for loop/event zone replication.



Event Zones:
Event zones are defined to generate event messages when an object is located within this zone. Further, you can add conditions such as speed, class, direction, message delay and extension along with ETA.

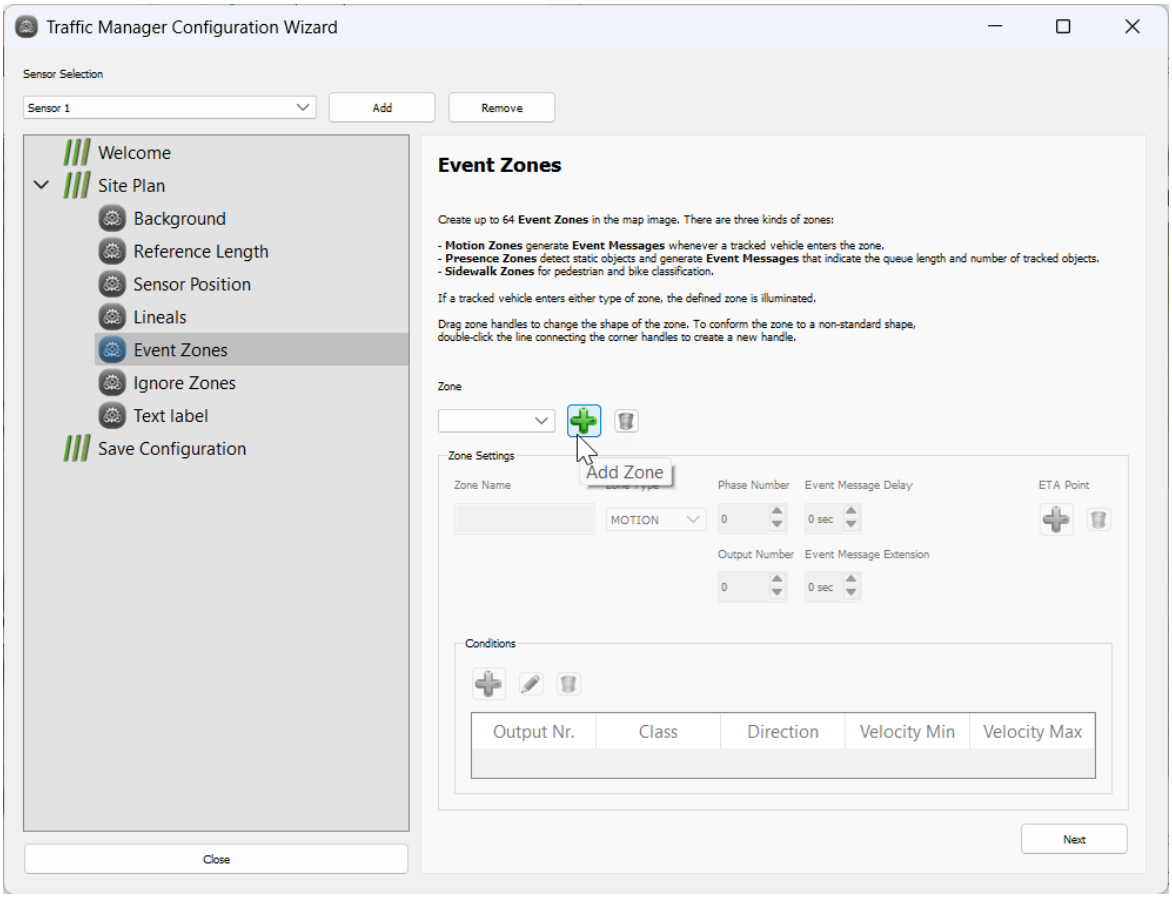
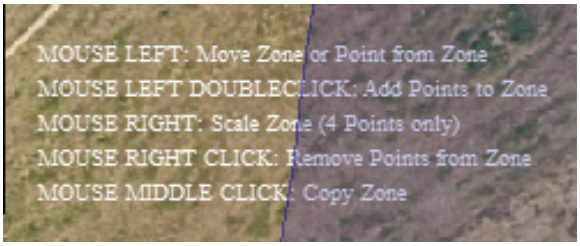


Chart describes mouse usage.

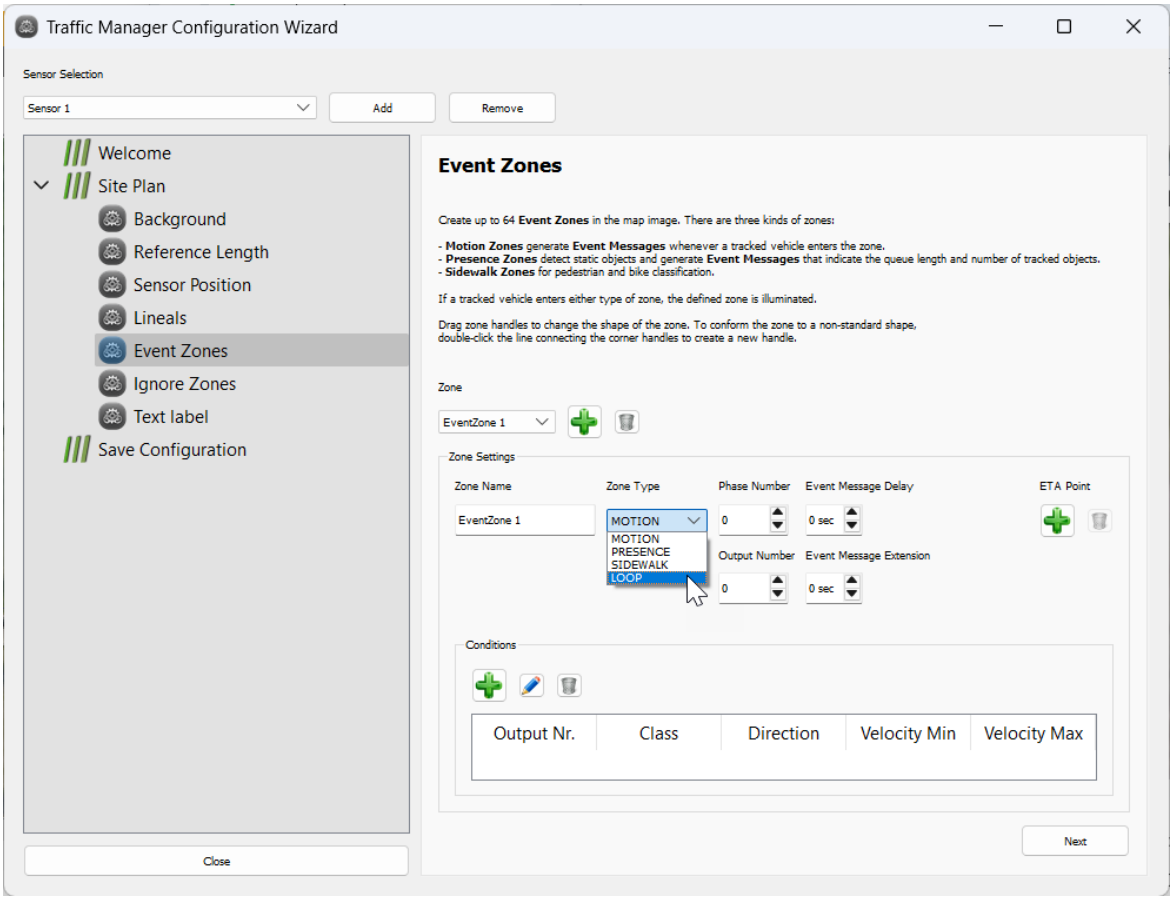


There are four types of zones:

Motion Zone:	A message will be sent each time an object enters an event zone. (ETA used)
Presence Zone:	A message will be sent each time at least one static object is in the event zone.
Sidewalk Zone:	This zone is for classification (pedestrian/bike) only and will not generate event messages.

For use with J8 Interface Card

Loop Zone: Combines both Motion and Presence in a zone.



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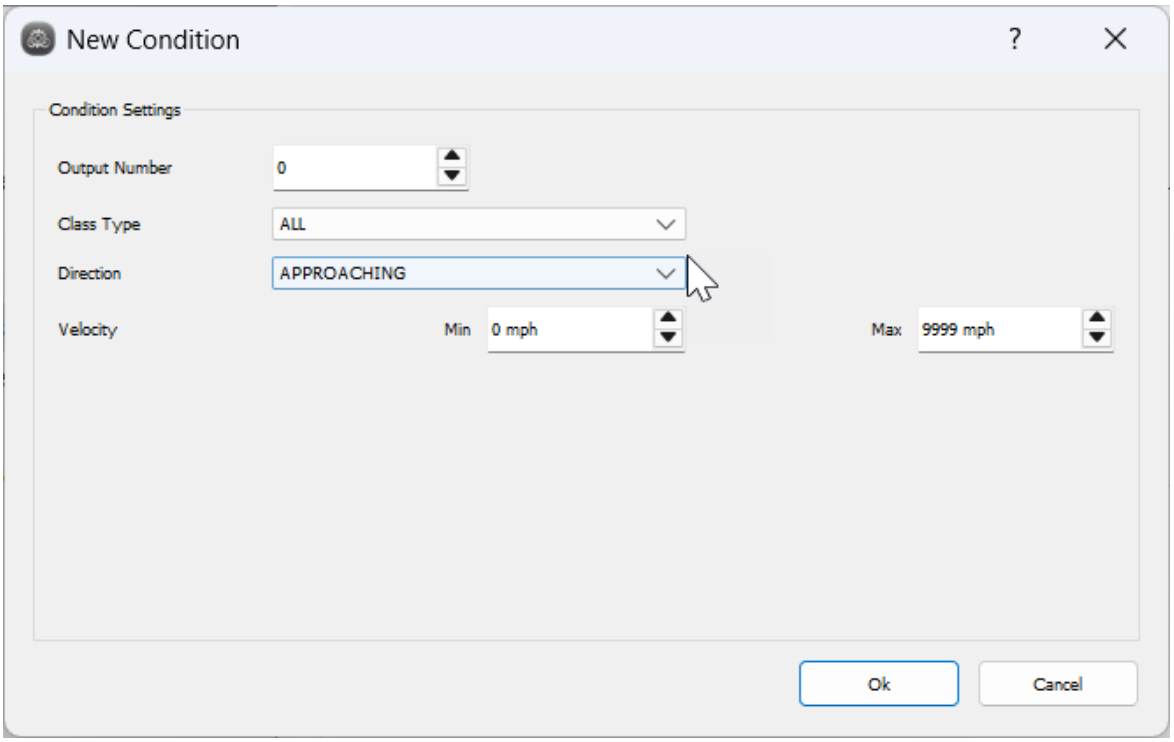
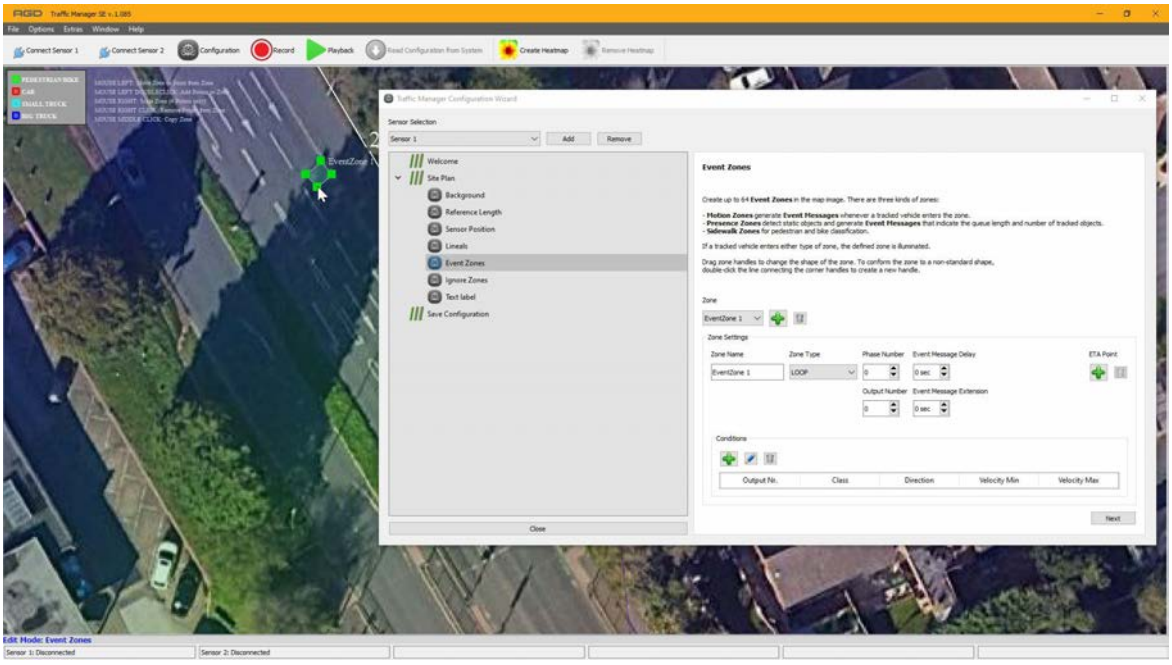
Condition: Assign one or more conditions to specify event message triggering such as direction, velocity and class type.

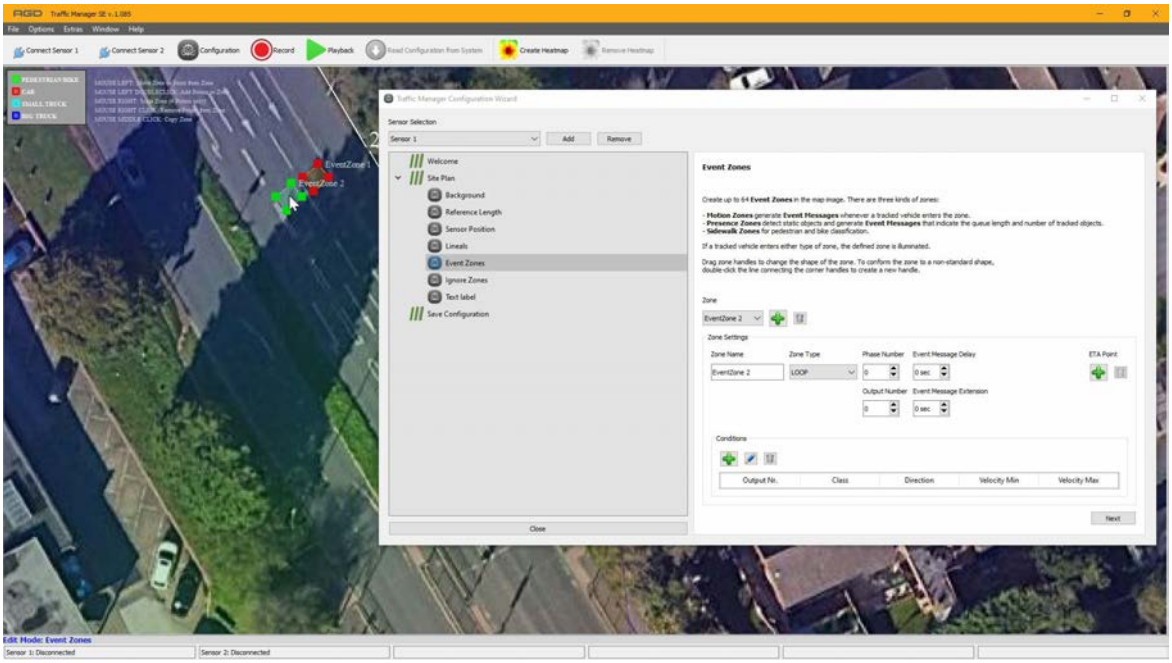


Once added, the event zone can be moved into position and adjusted by clicking and dragging the corner points.

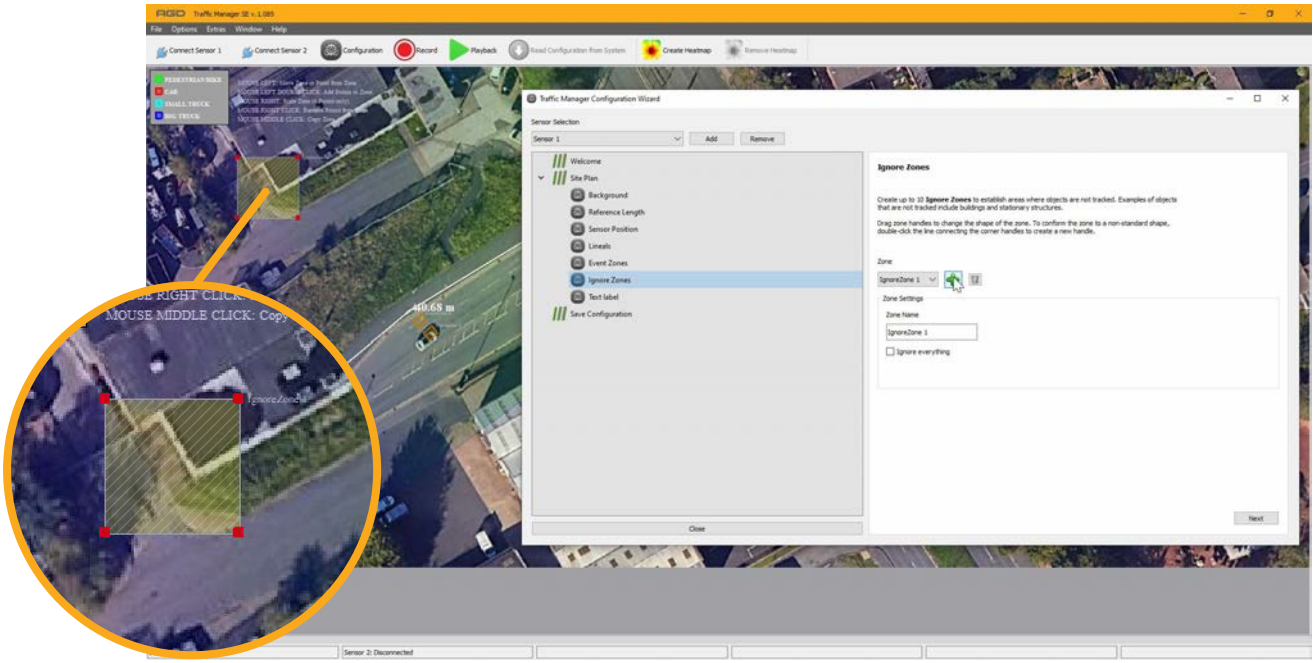
Hint: Left mouse double click on the lines of the event zone to add more points (max. 10) or remove points with right mouse click.



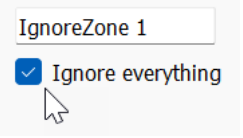
To duplicate an event zone, click on the zone using the mouse wheel.



Ignore Zones:
You can define regions where objects shall not initialize new tracks. Place an ignore zone in the background image.

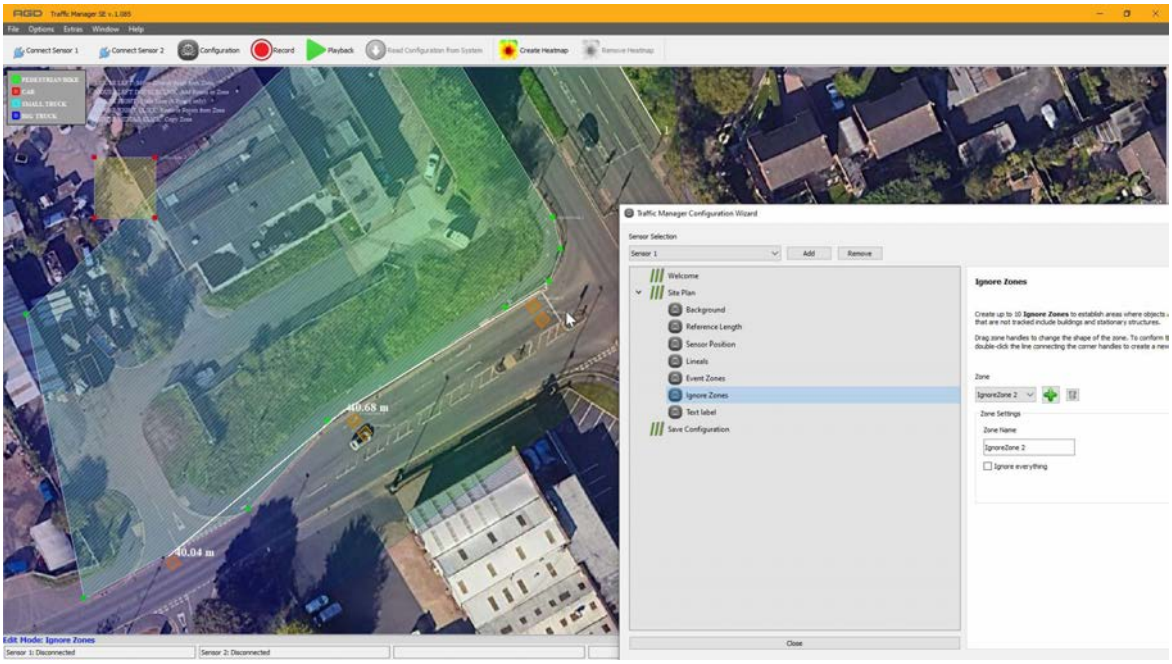


Hint: Enable 'Ignore everything'

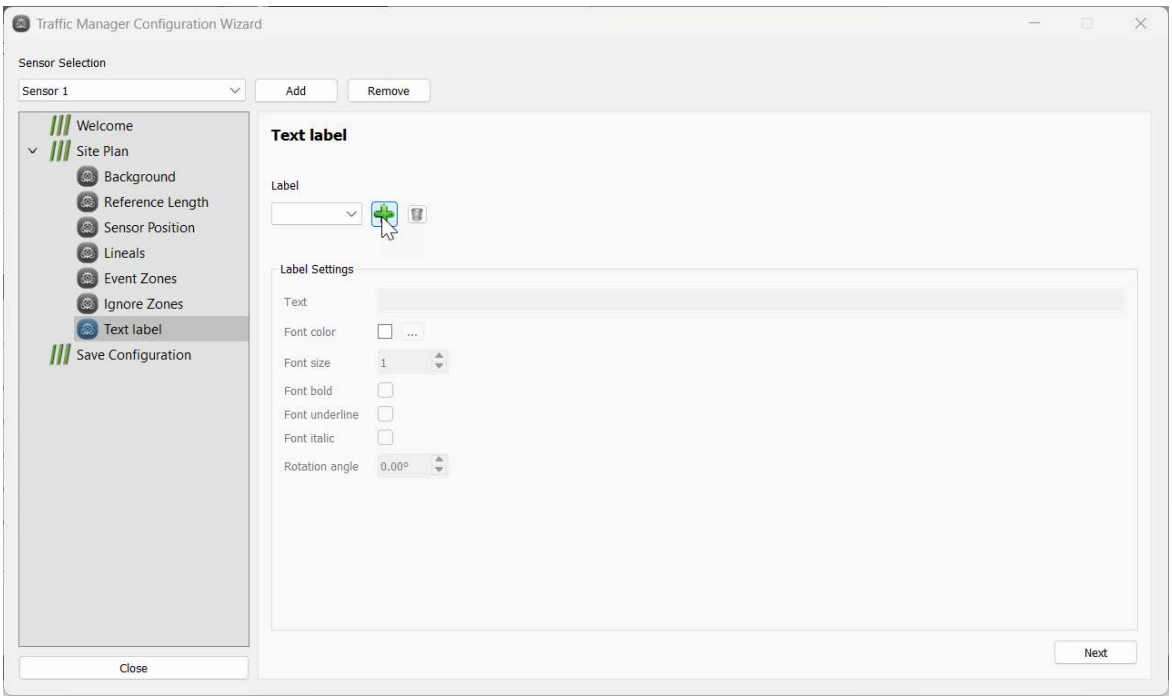


The shape of the ignore zone can be adjusted adding extra points.

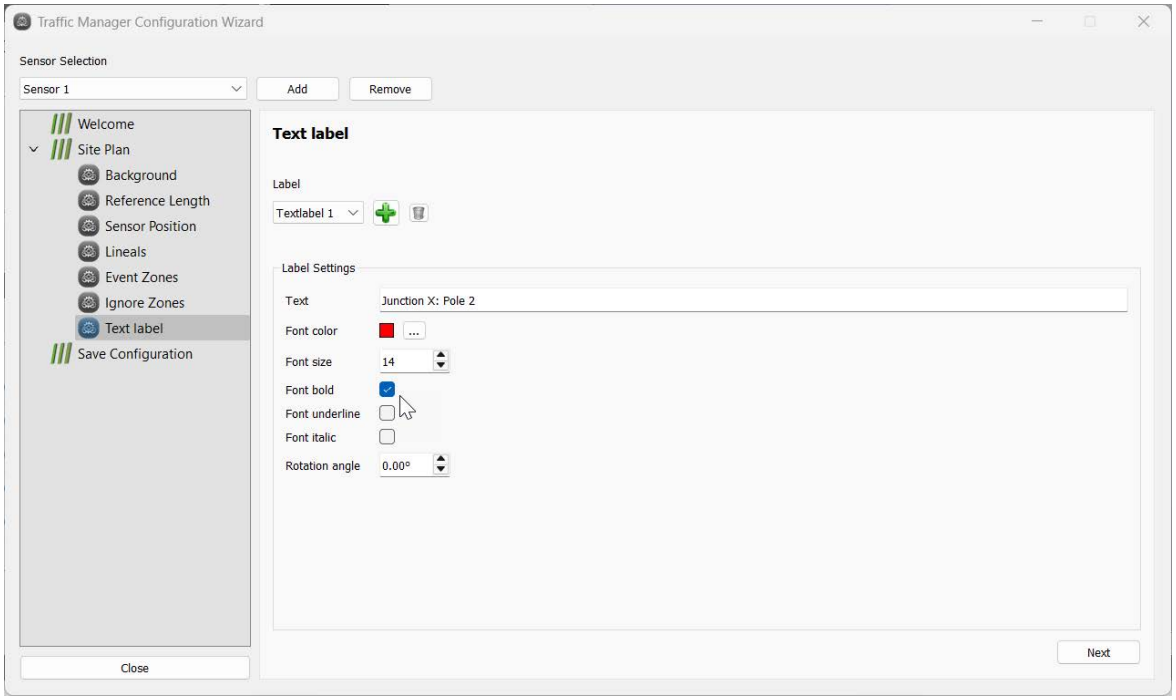
Left mouse double click on the lines of the ignore zone to add more points (max. 10) or remove points with right mouse click.



Test Label:
A text label can be used as a marking in the plot.



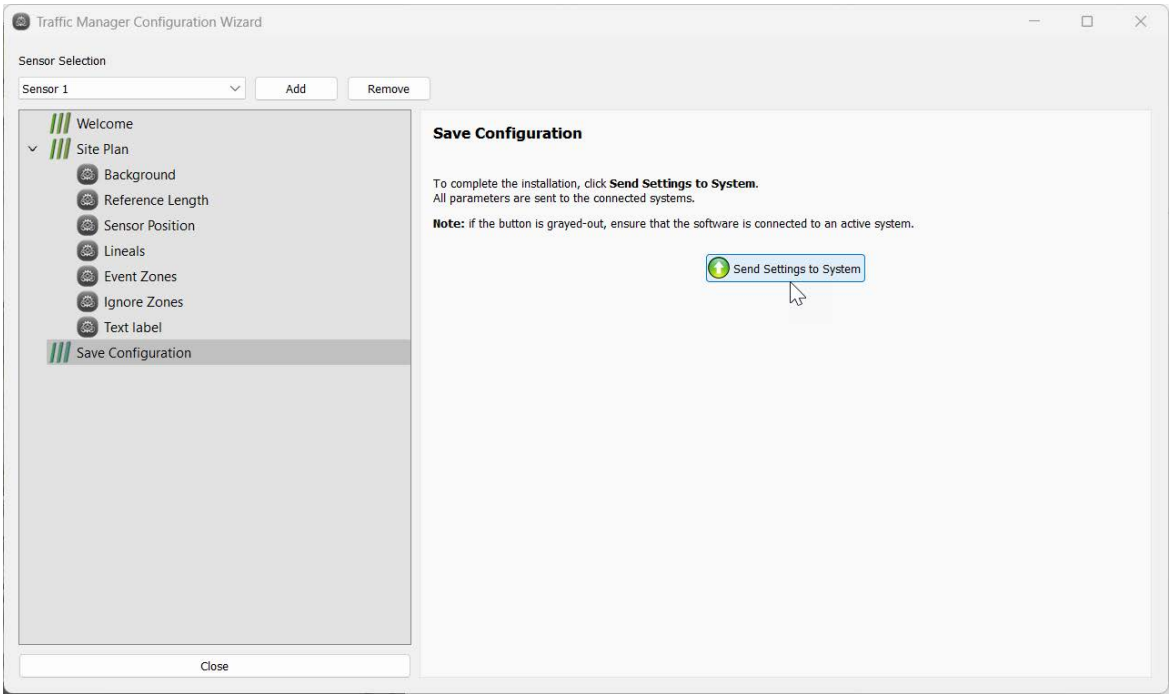
The labels have standard rich text options and can be rotated.



Label positions are adjustable by dragging the dot in the plot next to the text label

CONFIGURATION GUIDE

With the radar device connected, click ‘Send Settings to System’ to complete the device configuration.



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Any reliance you place on such information is therefore strictly at your own risk. In no event will we be liable for any loss or damage including without limitation, indirect or consequential loss or damage, or any loss or damage whatsoever arising from loss of data or profits arising out of, or in connection with, the use of this manual.

Warranty

All AGD products are covered by a 12 month return to factory warranty. Products falling outside this period may be returned to AGD Systems for: evaluation, repair, update or re-calibration, any of which may be chargeable.

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