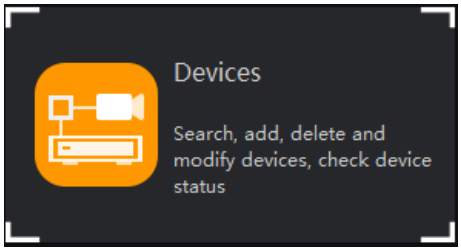
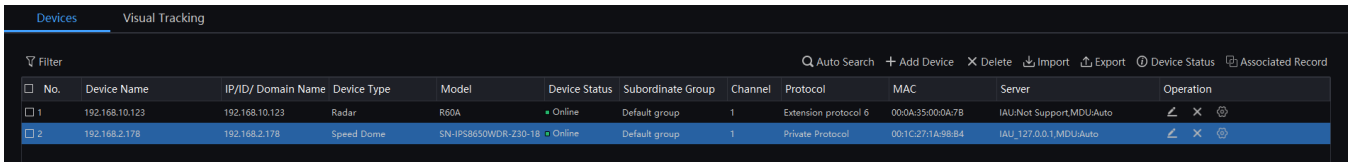
How to configure radar-PTZ linkage in CMS

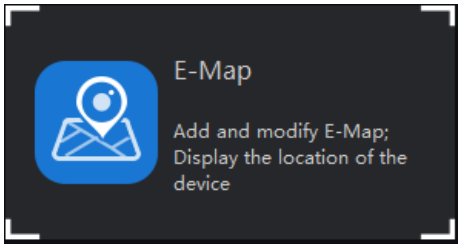
This document mainly introduces the configuration of linkage functions between radars and speed domes in CMS.

The radar and PTZ cameras must be added to the CMS first. Add the cameras using Auto Search instead of adding them manually; otherwise, the protocol and the device type need to be carefully checked.



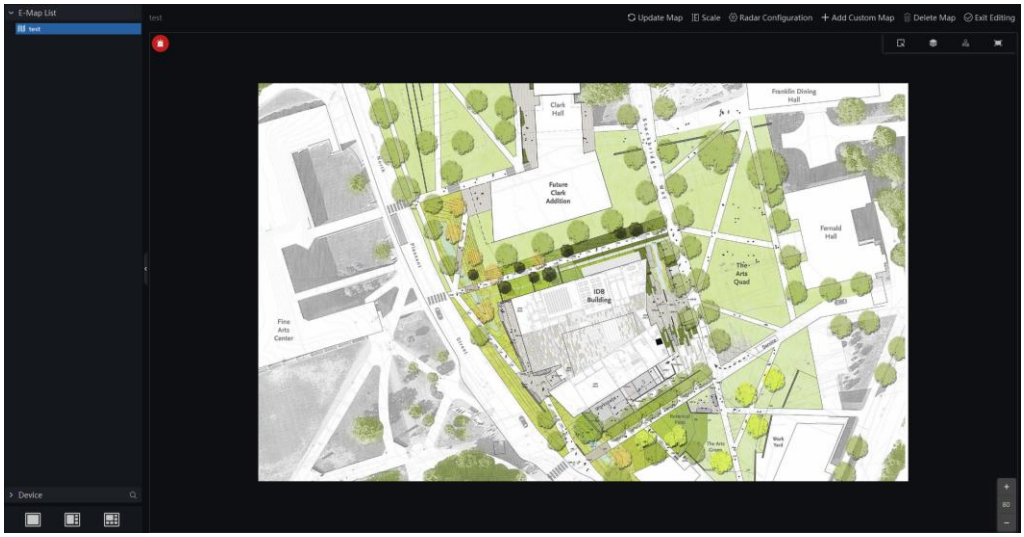


Go to E-Map. All the configuration will be performed here.

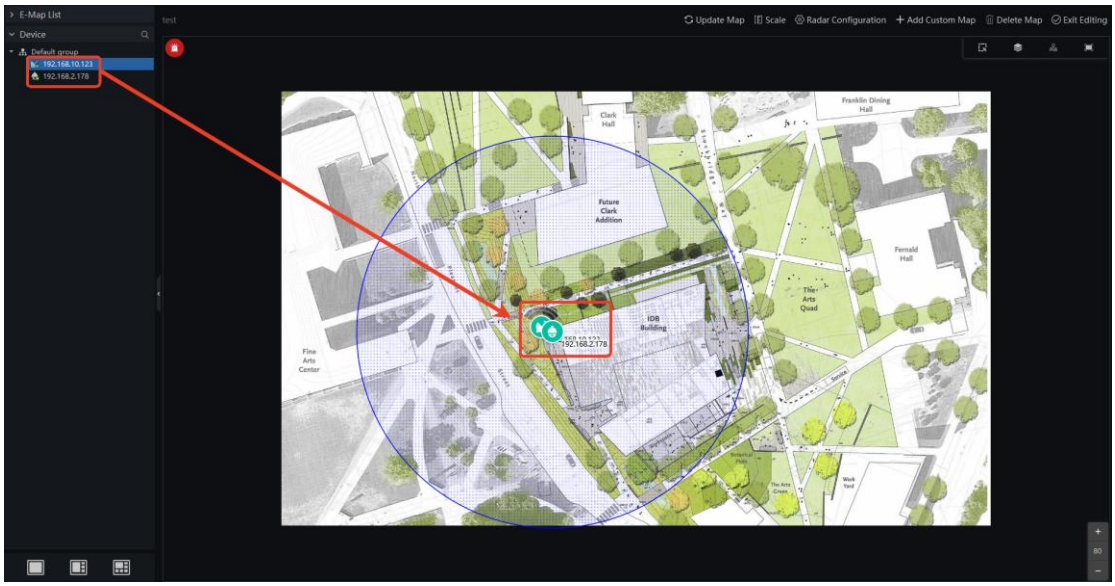


Procedures:

1. **Add a map to CMS.**

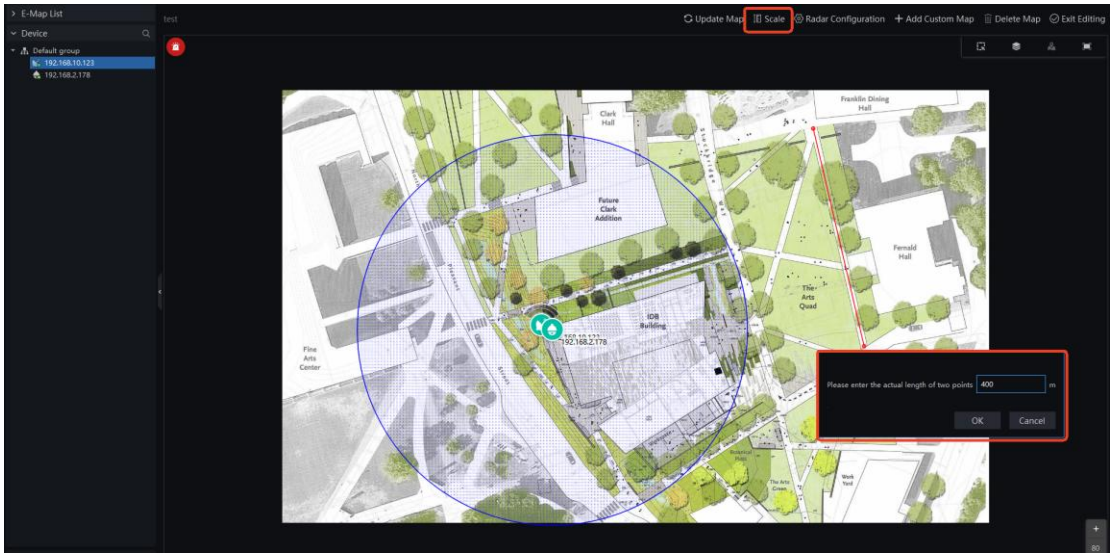


2. **Drag the PTZ camera and the radar onto the map.** Note that the position must exactly match the real location of the radar and the PTZ camera.

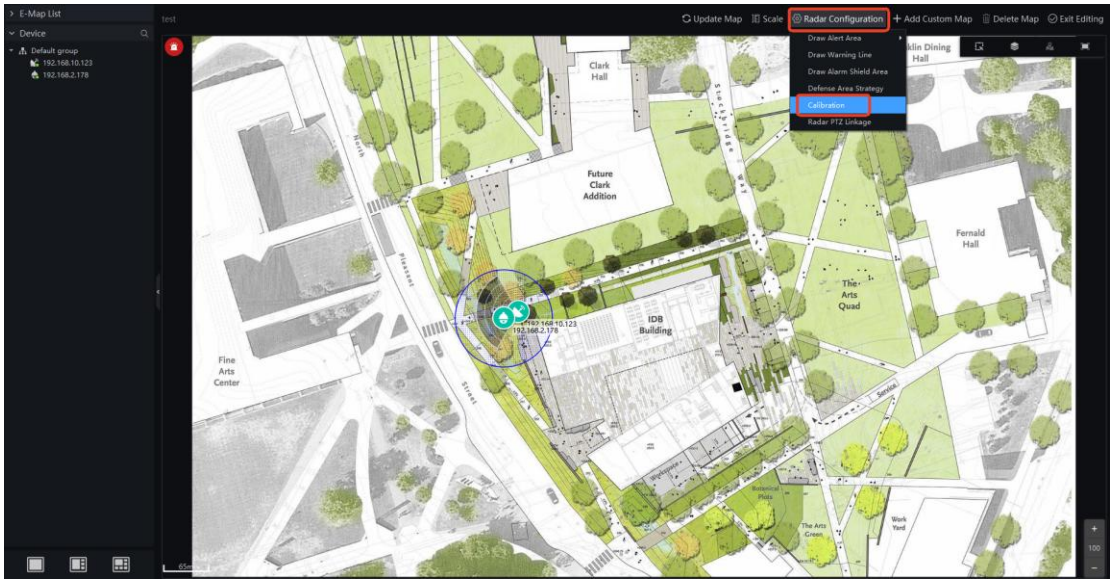


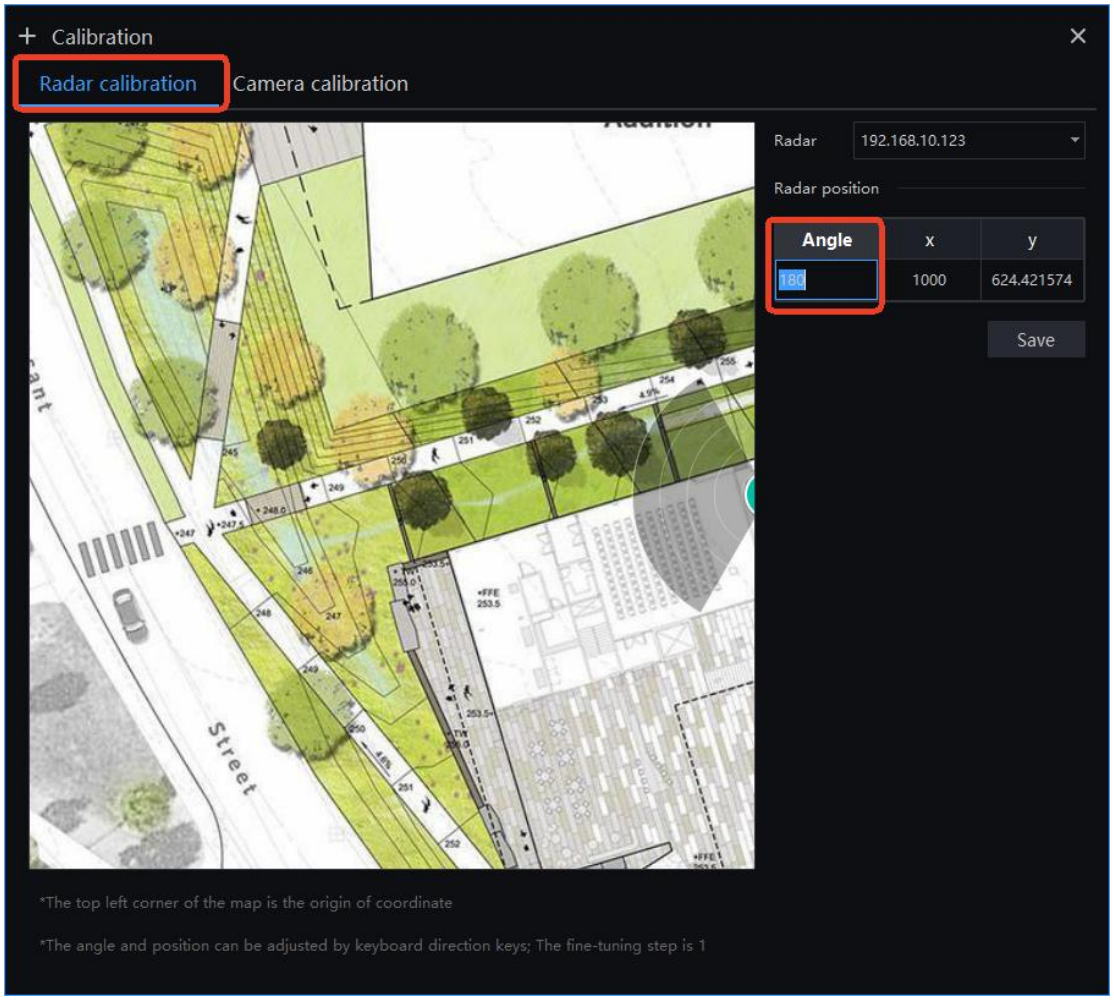
3. **Configure the scale according to the real physical distance represented by the map.** (It should be as accurate as possible.)

   Click on Scale and then draw a line on the map, input the real length of the line.

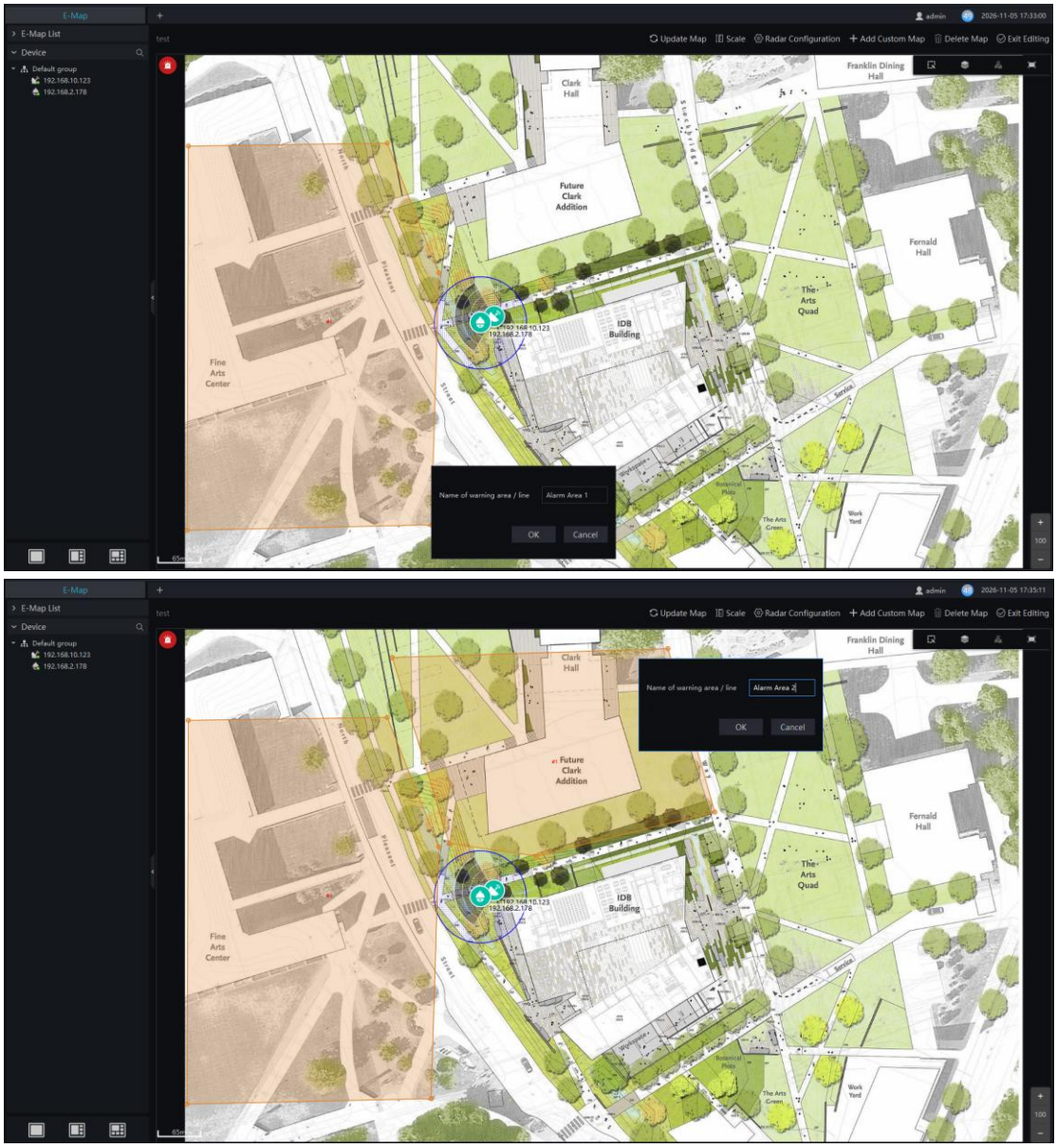


4. **Adjust the radar angle.** Perform a radar angle calibration (Mounting Orientation).





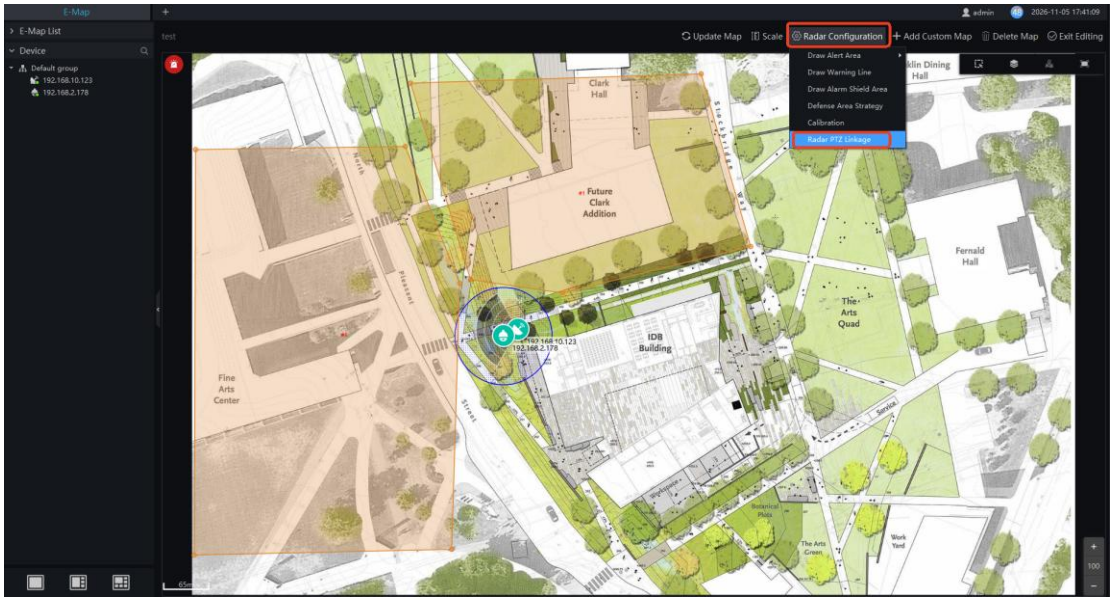
5. **Define alarm zones.**

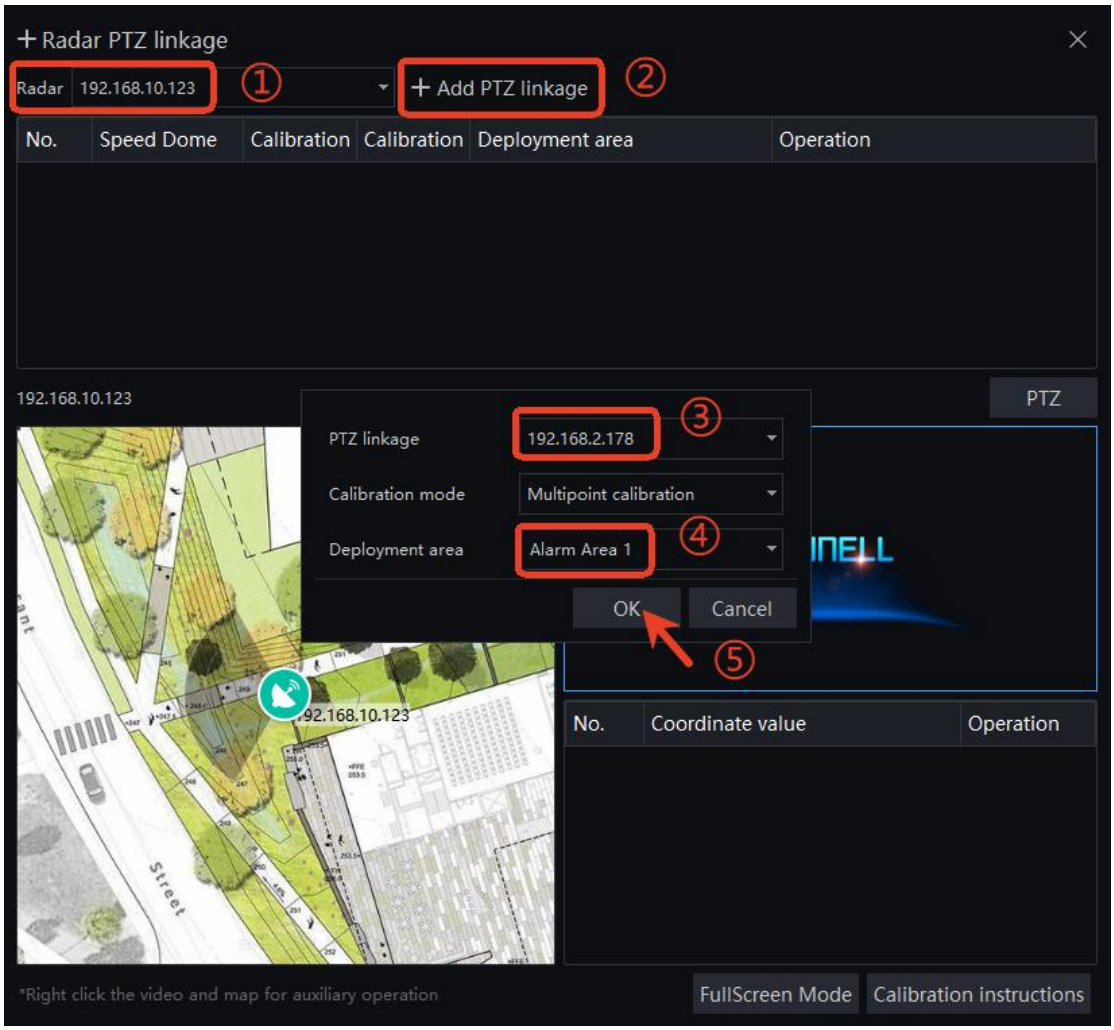


Steps:

1) To draw a polygon, click on the map with the left mouse button to mark points. Right-click when you are finished drawing.
2) To delete a zone, right-click on the polygon.
3) When defining alarm zones, we must name each one.
4) Alarm zones must not overlap with one another.

6. **Radar Linkage.** Start the radar–PTZ linkage settings.

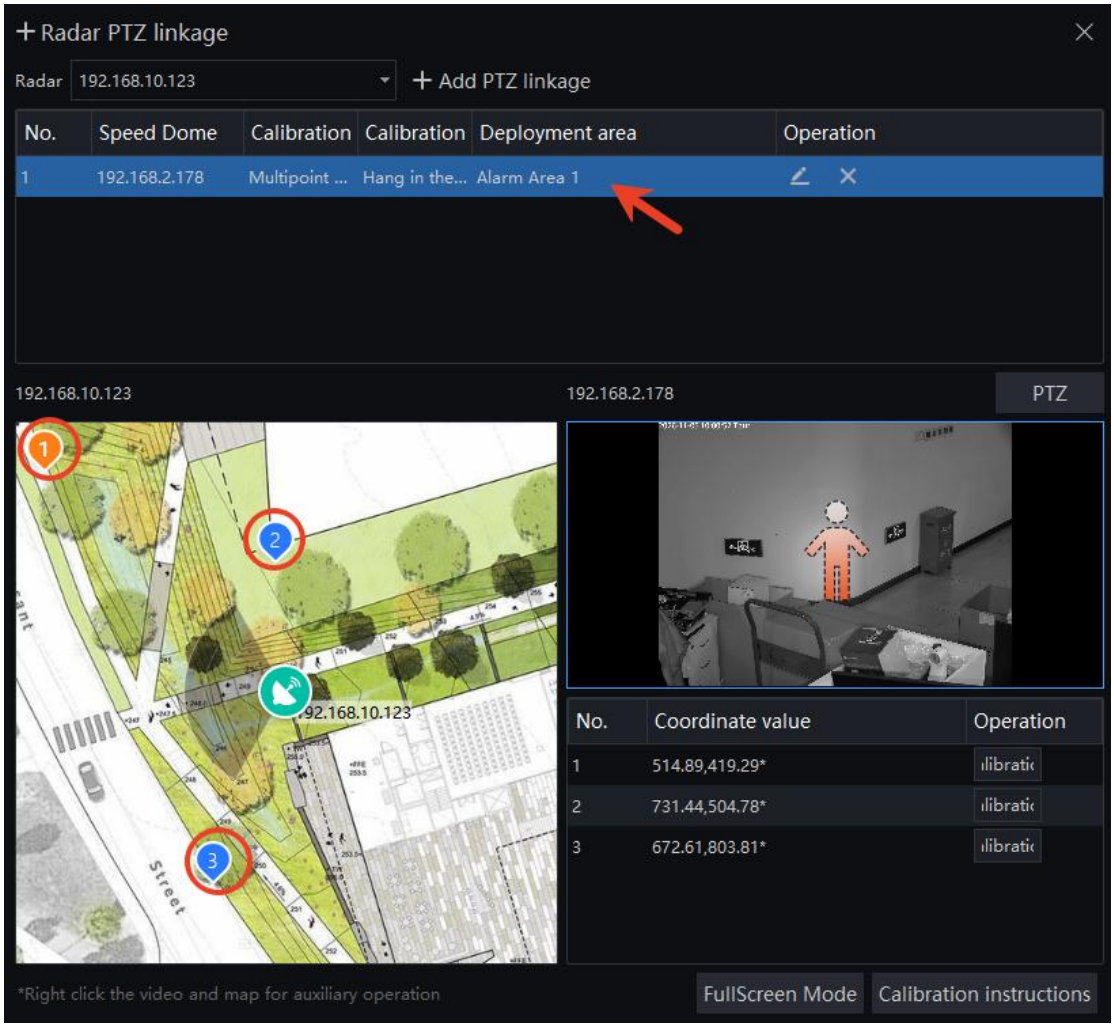




Steps:

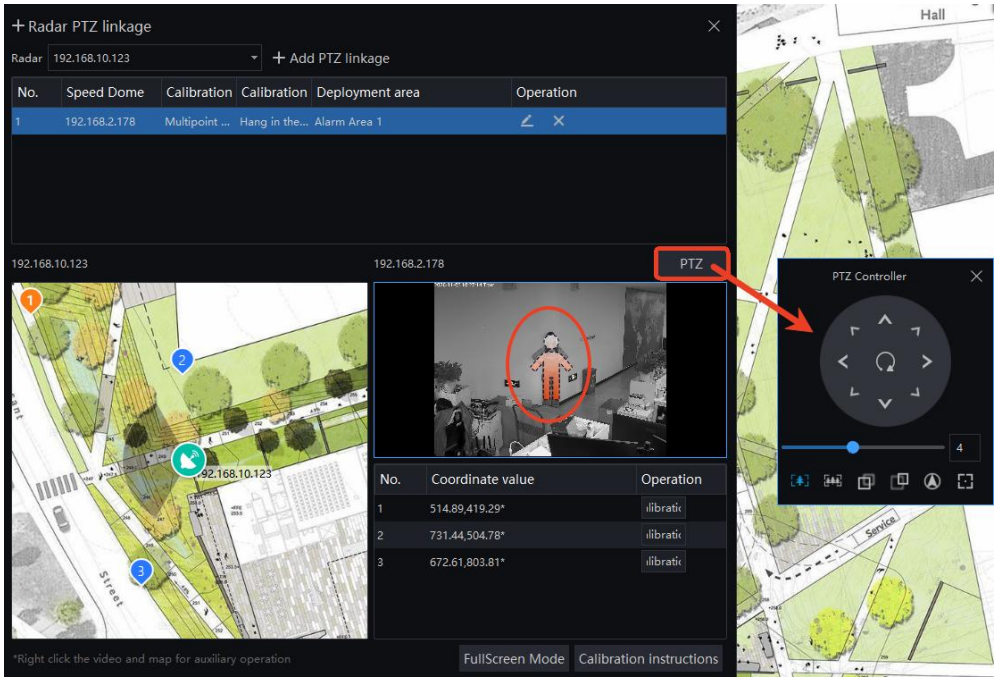
1) Select the radar.
2) Create a linkage with PTZ.
3) Select the PTZ you want to link.
4) Select an alarm zone.
5) Click OK.

Click on the linkage strategy you just created, select 3 points on the map (Keep the three points as far apart from each other as possible).

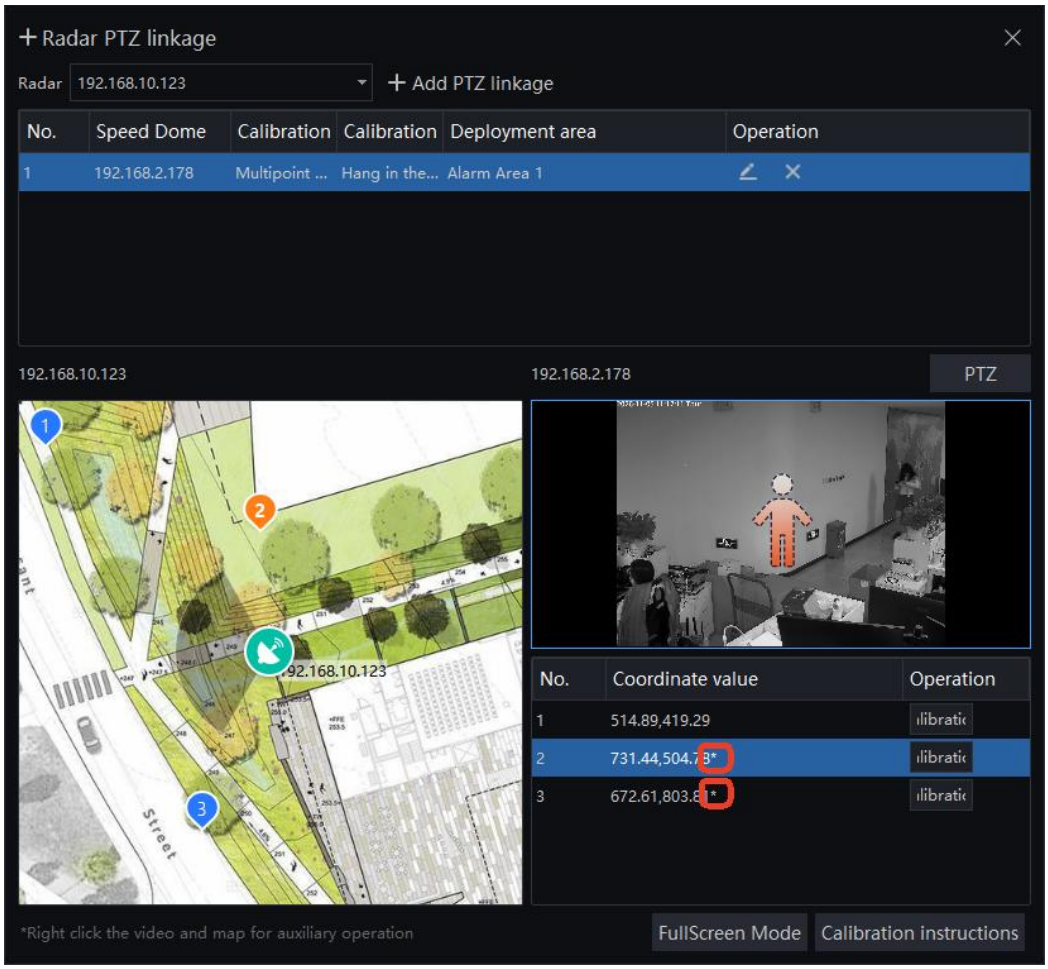


Now, you need another person to stand in the point position.

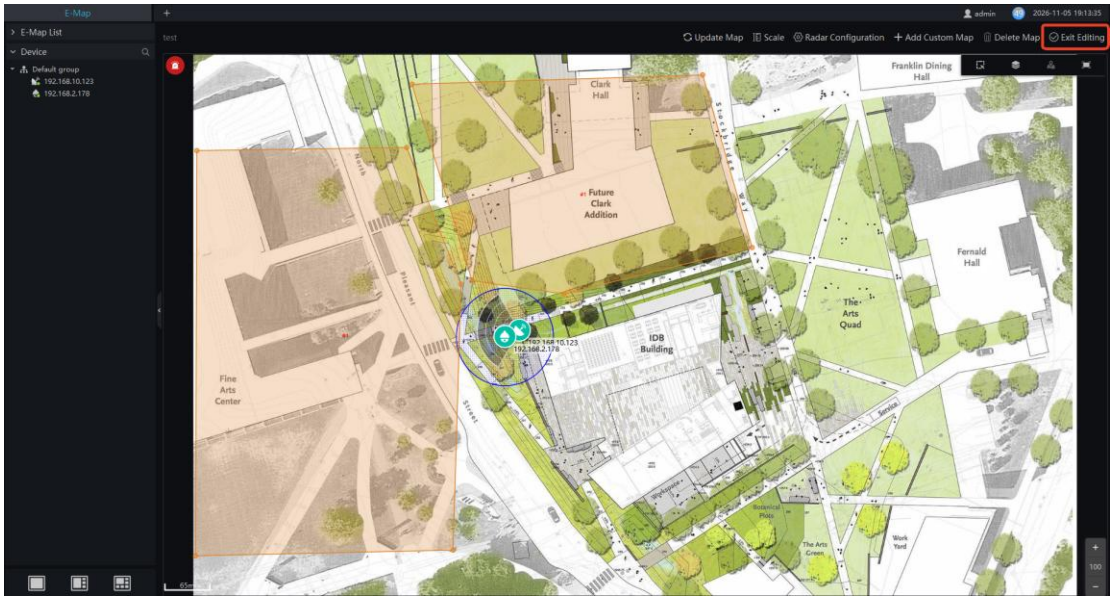
Click on the PTZ button, then adjust the pan, tilt, and zoom, and overlay the humanoid marker with the person standing on site. Click on the Calibration button to finish. Do it for each point.



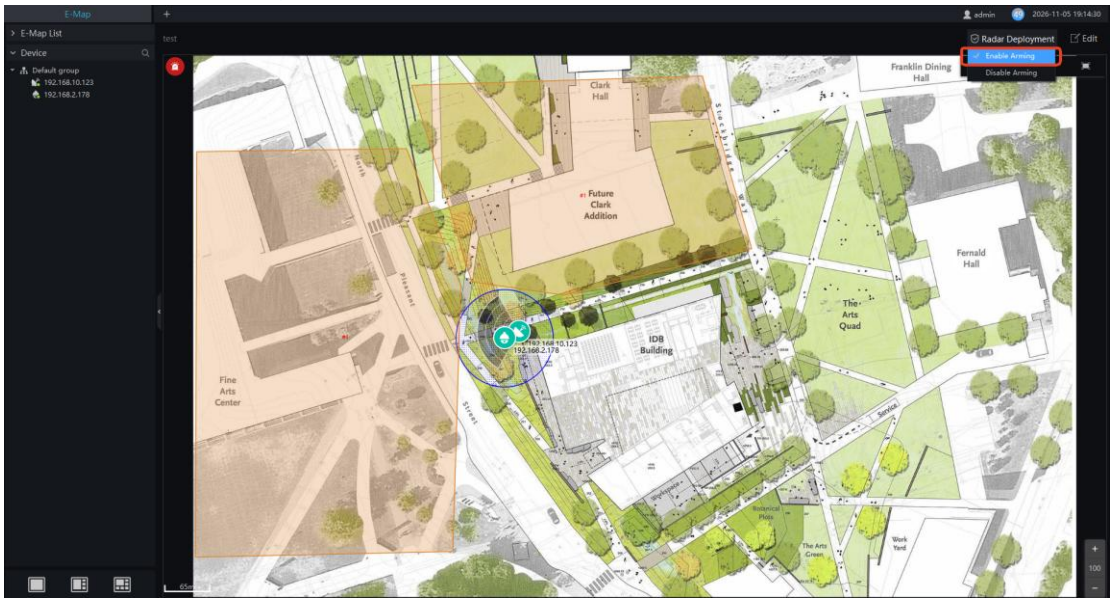
After calibration is done and confirmed, the asterisk will disappear.



7. **Finish editing** by clicking Exit Editing.



8. **Turn on** Enable Arming**.**



9. **Validation phase.** After completing all the configuration, start tracking validation.