

SeMSy® Map CAD Import

Adding and Linking Cameras from a CAD / DWG File in Map Views



Cameras of a HEMISPHERE® SeMSy® Video Management can be imported by position information from CAD / DWG files and linked in a map view.

■ Prerequisites HEMISPHERE® SeMSy Video Management

Only cameras that have been previously configured in a HEMISPHERE® SeMSy® Video Management can be linked by import in a CAD / DWG map. The camera number is required for the import.

■ Prerequisites CAD / DWG File

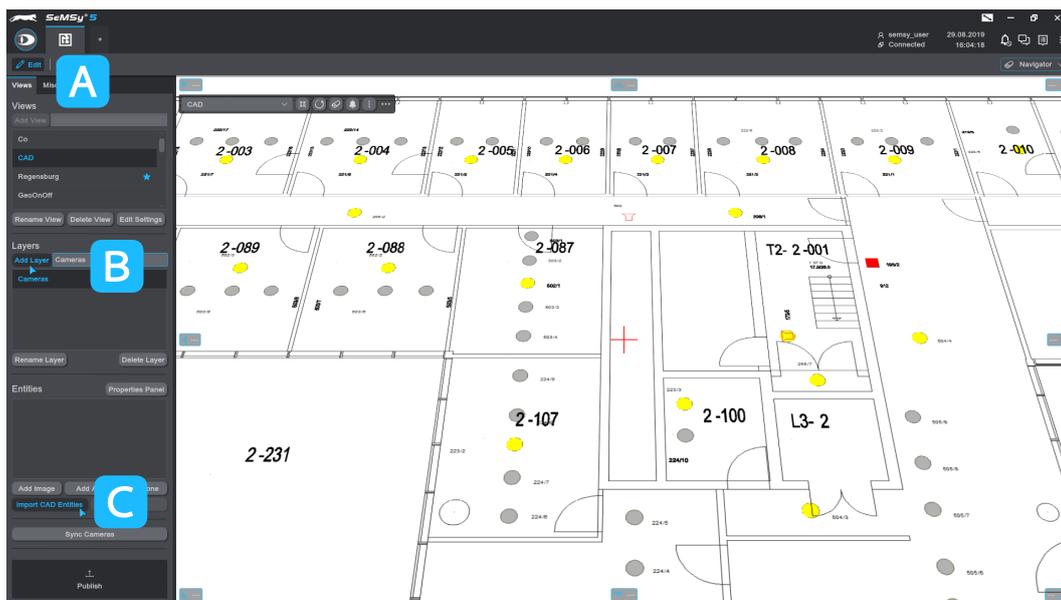
Camera positions in a CAD / DWG file must have their own text field and be labeled with their camera number (only numeric characters allowed). It is recommended to create these on a separate level in the CAD file.

This handout gives a brief overview of what to do when importing or linking cameras.

- ▶ Open the HEMISPHERE® SeMSy® Map Application and activate the **Edit** mode via the corresponding button (the operator must have the appropriate permission to configure the map otherwise the **Edit** button is not visible).

The editing column is subsequently displayed on the left **A**:

- ▶ Select the required map view from the **Views** menu.



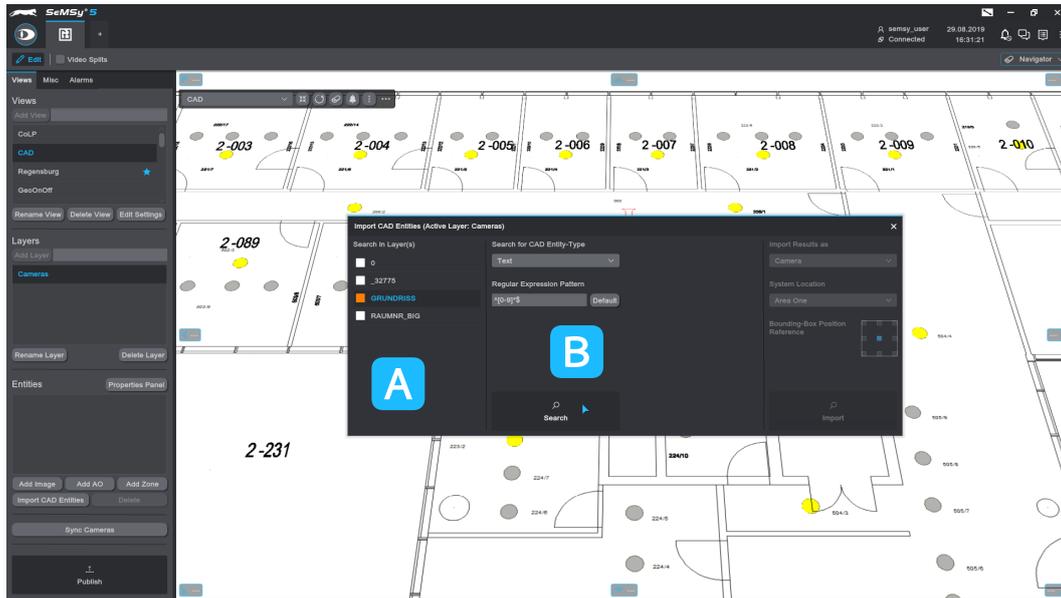
- ▶ Create a **Layer B** for the cameras you want to import and name it uniquely.
- ▶ Click **Import CAD Entities C** to open the CAD import dialog.

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The Import CAD Entities dialog is displayed:



The left column **A** of the dialog shows the layers available in the CAD file.

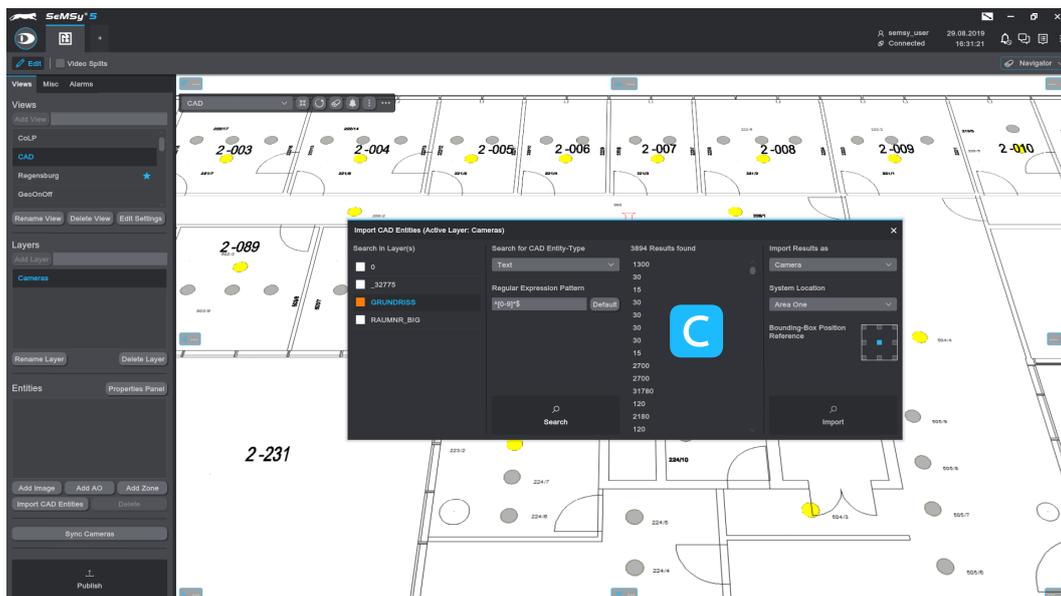
- ▶ Select the layers (multiple selection with CTRL key pressed) in which you want to search for camera text fields.

In the next step, specify the search criteria in the middle column **B** of the dialog:

- ▶ Select the **Text** option from the **Search for CAD Entity-Type** dropdown box (in the current map version the search is limited to text fields).

The **Regular Expression Pattern** is required so that only text fields with numbers are evaluated. Leave the default setting in the input field or restore it using the corresponding **Default** button.

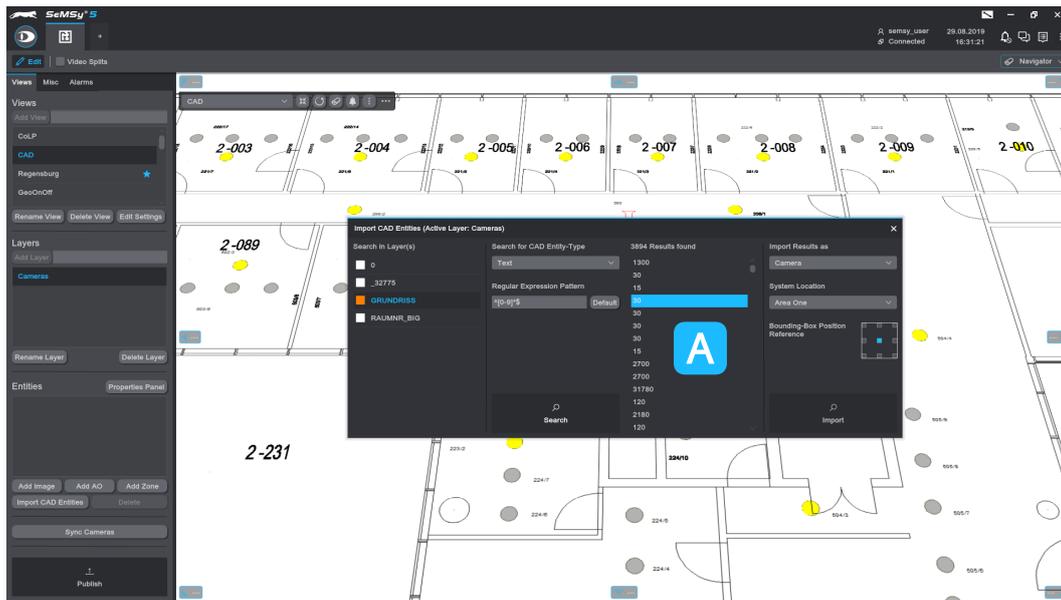
- ▶ Click **Search** to browse the selected layers of the CAD file.



The camera numbers found in the CAD file are now listed in the middle column **C**.

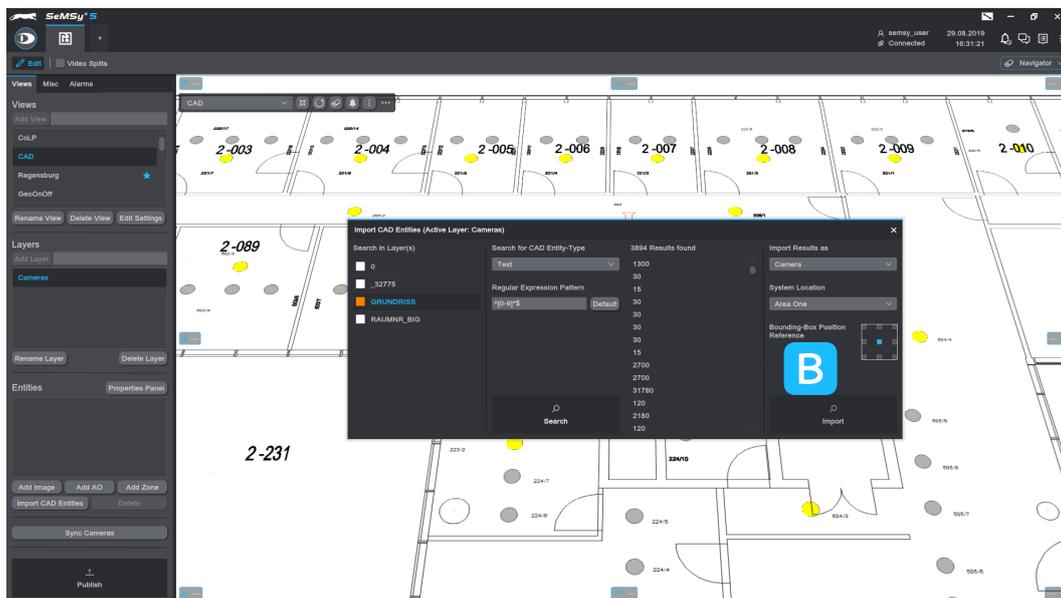
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- ▶ Select a camera number from the list **A** to display its position on the map, if required.

In the last step, the import process **B** is triggered and the camera numbers from the CAD file are compared with the cameras available in SeMSy® and linked accordingly during a match.



- ▶ Select the **Cameras** option from the **Import Results as** dropdown box.
- ▶ Select the required SeMSy® **System Location** from the corresponding dropdown box in which the cameras to be imported are located.
- ▶ In the **Bounding-Box**, specify the position of the camera within the text field on the map (in this way, you can adjust the position of the camera icon in the map).
- ▶ Finally, click **Import**.

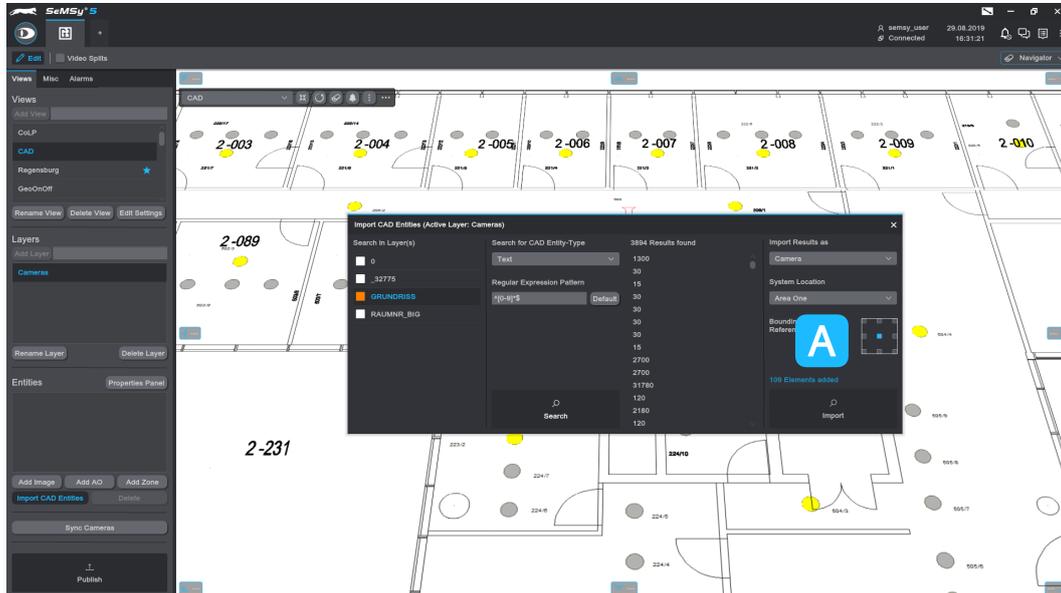
i Note that an import deletes all previous entries on the selected SeMSy® Map layer. For example, if there are other objects besides cameras, such as active zones, on the same level, these will be deleted by the import and only cameras will be added.

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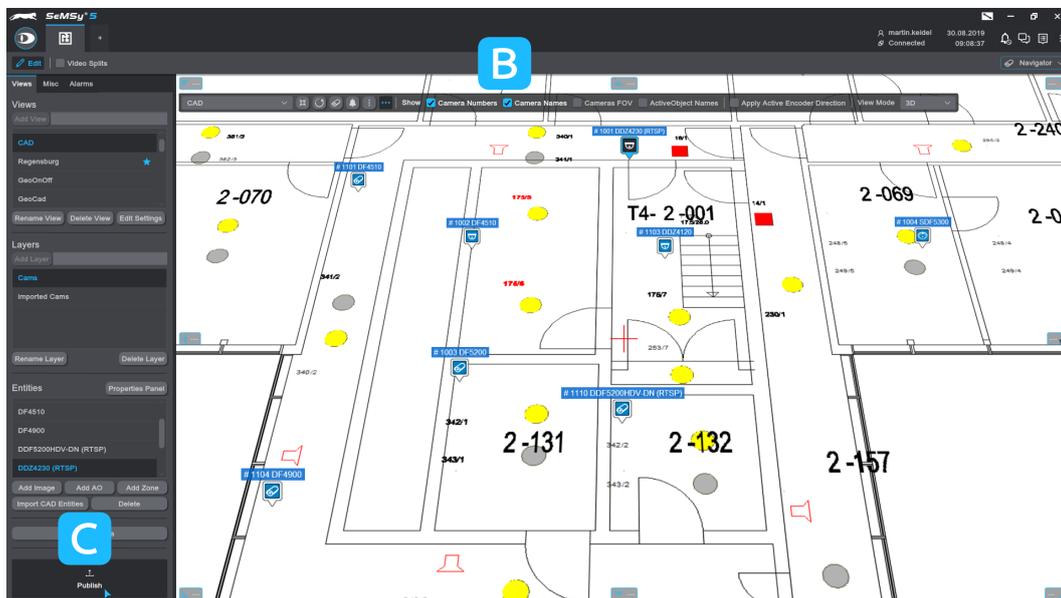


During an import process, the cameras from the CAD file are compared with the encoders configured in SeMSy® (camera number). If new devices have been detected in the CAD file and these can also be assigned to SeMSy® cameras, the added number is displayed in the third column of the dialog **A**:



▶ Close the import dialog by clicking the x button in the upper right corner.

The cameras are entered with their icons on the map view:



The option menu **B** of the map view can be used to adjust the display of the camera icons: For example, enable the **Camera Names** option to display it in addition to the camera number.

▶ Finally, click **Publish C** to save the map view you just created.

