

FAQ: FAQ000279919

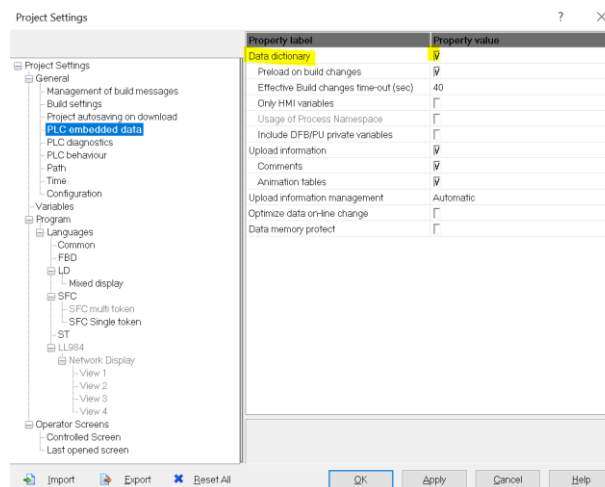
How to link variables between EcoStruxure Control Expert and Vijeo Designer using Data Dictionary?

- **Link of the Control Expert variables with Vijeo Designer.**

Now the linking of the variables from Control Expert to Vijeo Designer is discussed, to do this the following steps must be performed:

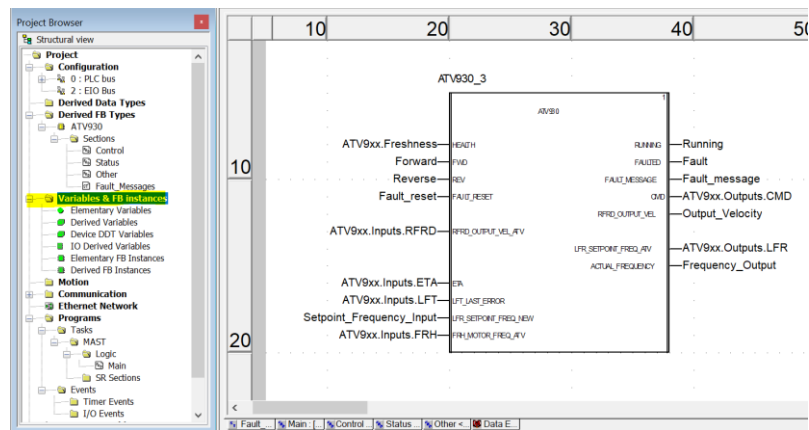
1. It is required to make sure that the *Data dictionary* option is checked, this option is located under *Tools*, then in the *Project Settings* option, and finally in the *PLC embedded data* section. This option allows that every time a change is made in the Control Expert project, it is only necessary to update the linked variables in Vijeo Designer, instead of exporting the variables from Control Expert and importing them back to Vijeo Designer again.

Figure 1.HMI - Data dictionary option.



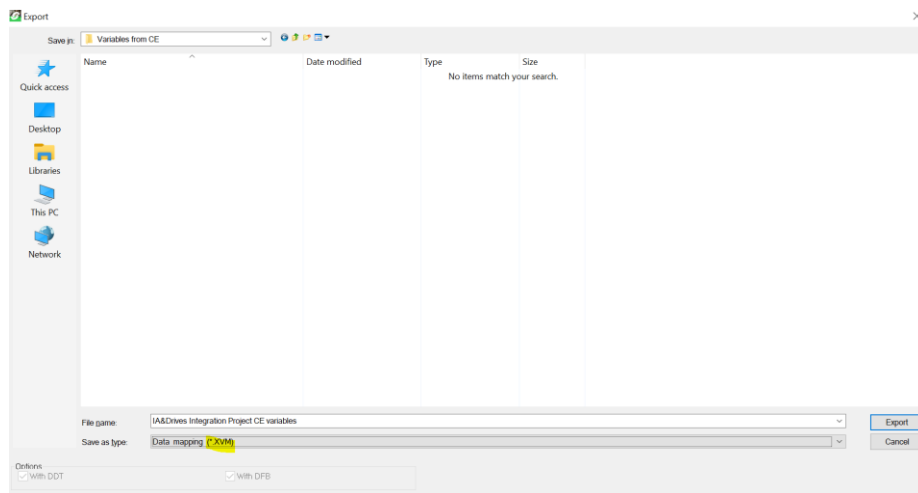
2. In Control Expert, right click on the *Variables & FB instances* and select *Export*.

Figure 2.HMI – Export/Import of the Control Expert variables 1.



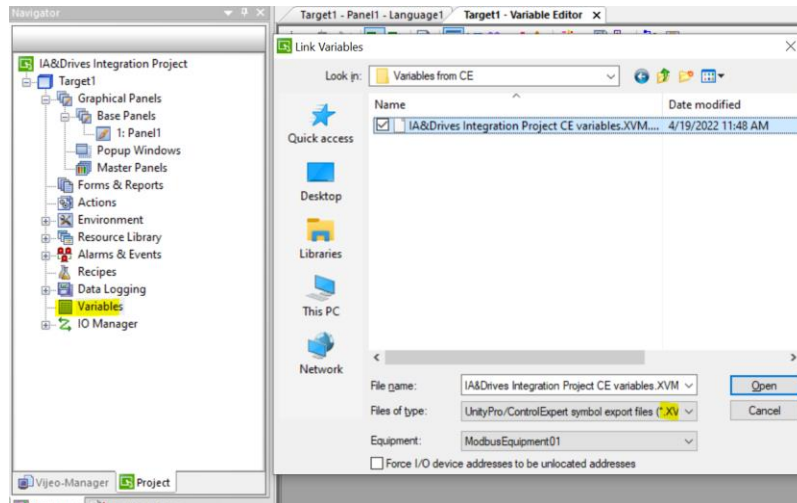
3. Select the desired location and choose .XVM extension.

Figure 3. HMI – Export/Import of the Control Expert variables 2.



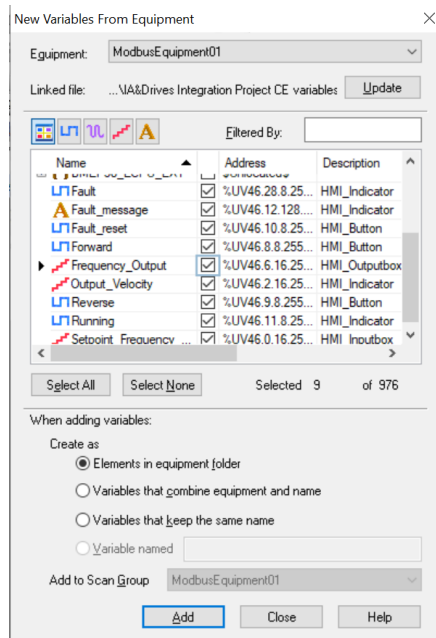
4. In Vijeo Designer, in the *Navigator* window:
 - I. Right click on *Variables*
 - II. Click on *Link Variables*
 - III. Change the *Files of Type* to. XVM extension
 - IV. Select the exported file from Control Expert
 - V. Click on *OK*

Figure 4. HMI – Export/Import of the Control Expert variables 3.



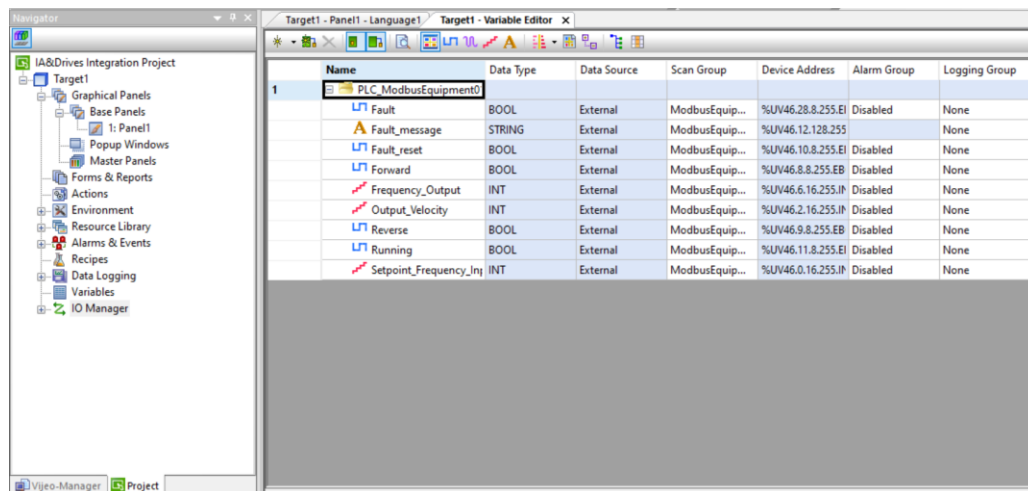
- Check all created variables (**It is necessary to create dedicated variables for the DTM variables**) and click *Add* (click Yes in the pop-up window) and close the window.

Figure 5. HMI – Export/Import of the Control Expert variables 4.



- The variables appear as show in Figure 63.

Figure 6. HMI – Export/Import of the Control Expert variables 5.



7. If a change is made in the Control Expert project, an update to the variables on Vijeo Designer is needed, to do this, follow the next steps:

- I. Right click on *Variables*
- II. Click on *Update Link*
- III. Select the path
- IV. Click on *Update All*
- V. Click on *Close*

With this, the variables are updated, and it will not be necessary to re-import the variables and assign them to the objects in the panel. In case the *Data dictionary* option in step 1 is not activated, choosing *Remove* instead of *Update Link* is needed, then deleting the already created variables in Vijeo is the next step, and finally repeating all the steps again (exporting variables, importing them, link them, etc.) are needed.

Figure 7. HMI – Update of the Control Expert variables.

