FAQ COMBIVIS studio HMI

Beckhoff ADS Driver   FAQ No.0002

Part	Version	Revision	Date	Status
en	4.0.1150.48	002	2019-01-01	Released

Content

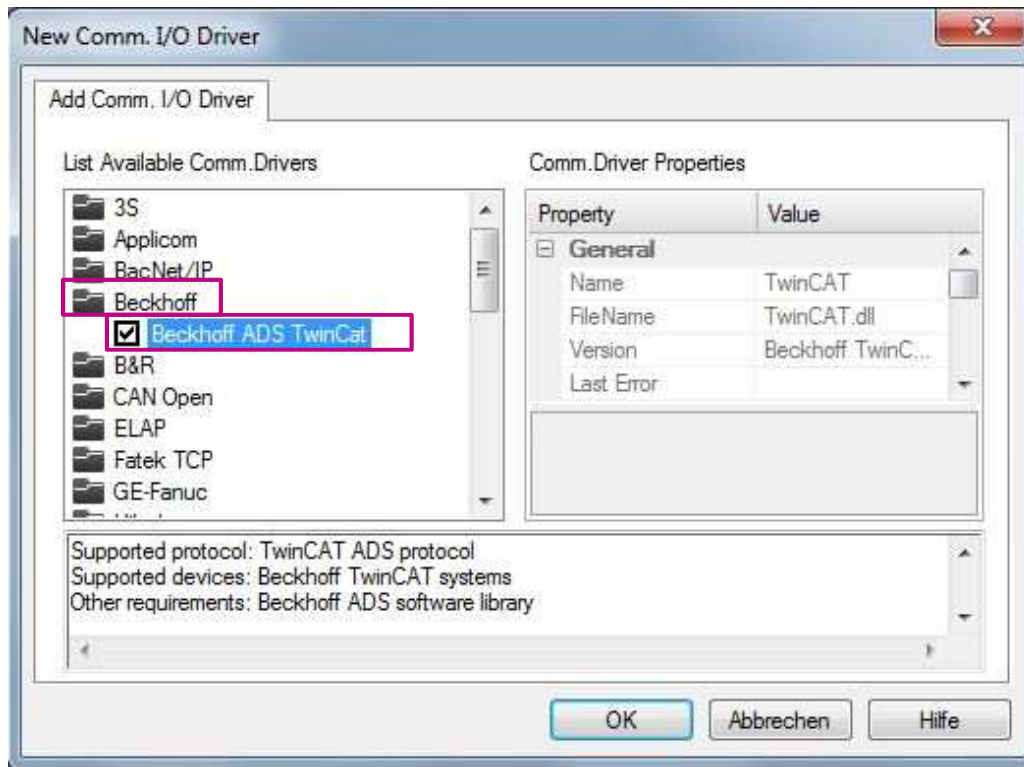# FAQ COMBIVIS studio HMI

Introduction

This Document contains a description how to add a Beckhoff communication driver and create the necessary driver-files on the C6-HMI and VISU for Windows CE.

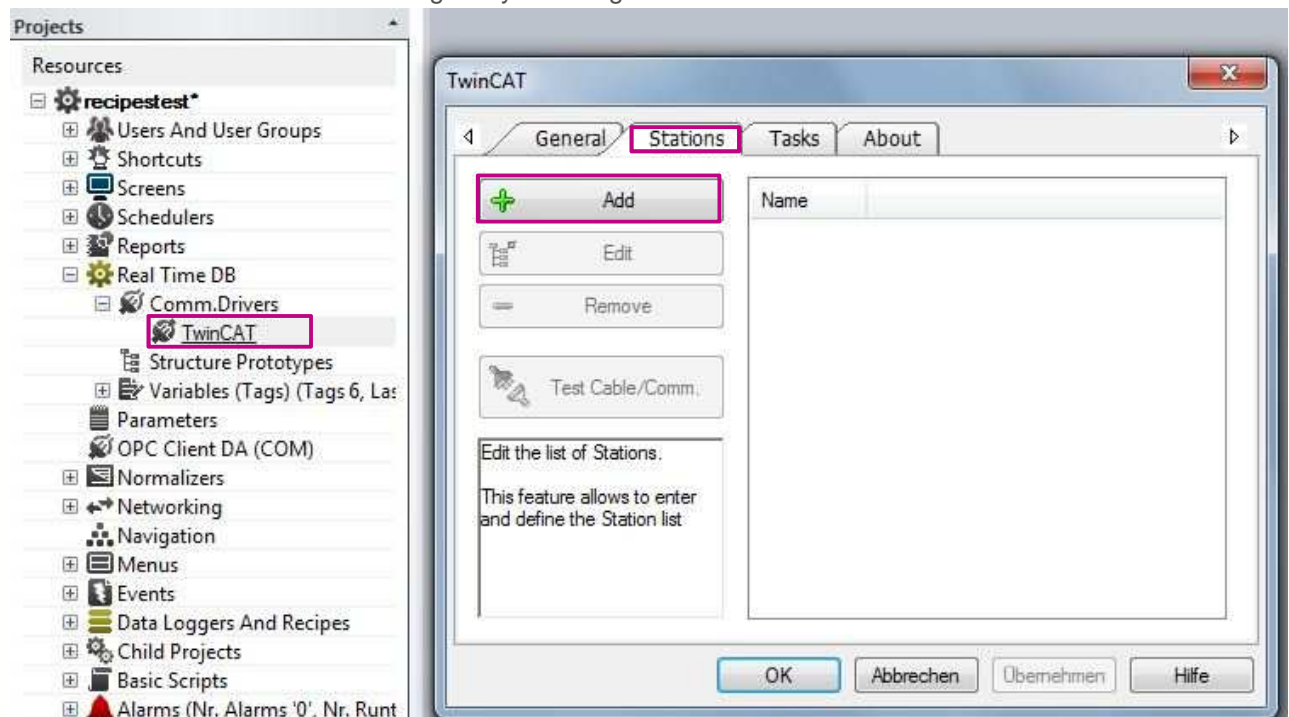## Connect the KEB C6 HMI to a Beckhoff-PLC with WinCe system

1. Add a new driver to "**Project Explorer > Real Time DB > Comm. Drivers > Add New Comm. Driver…"**

2. Choose the "**Beckhoff ADS TwinCat**„ driver and confirm it with OK.

3. Double-click on the driver opens a new screen for the settings. Add a new station by the tab "**Stations**". The other settings stay unchanged.

4. Change the „**Ams Net Id**" to the actual Beckhoff-PLC-address. The name of the station can be chosen randomly. The rest of the settings can stay as default-values.
   **Note**: The „**Ams Net Id**" of the HMI have to be transferred to the Beckhoff PLC.
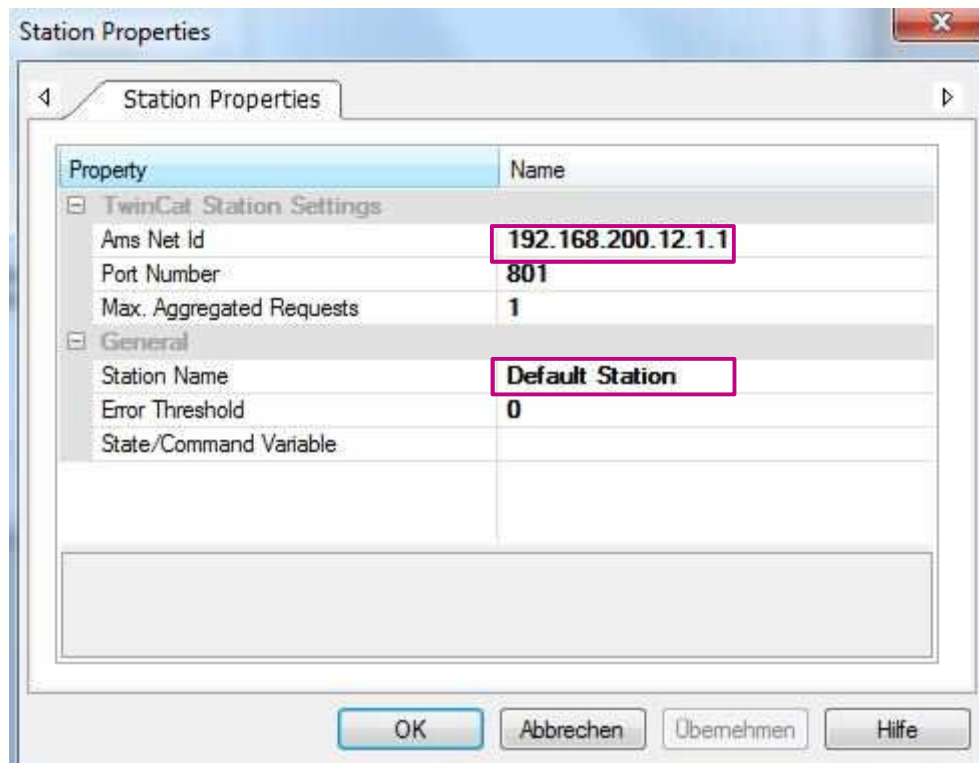
5. After adding the driver you have to copy the file **TcAdsDllCe.ARMV4I.CAB** from the installation-folder (eg.: **C:\Program Files\TwinCat\ADS Api\TcAdsDllCe\setup\TcAdsDllCe.ARMV4I.CAB**) of TwinCat to the desktop of the HMI. Run this file and the following files will be stored to the folder "**\Windows**" :
   - „**TcAdsDllCe.dll**", „**atle300.dll**", „**TcScriptCe.dll**", „**TcAmsRemoteMgr.exe**", „**TcAdsTest.exe**"
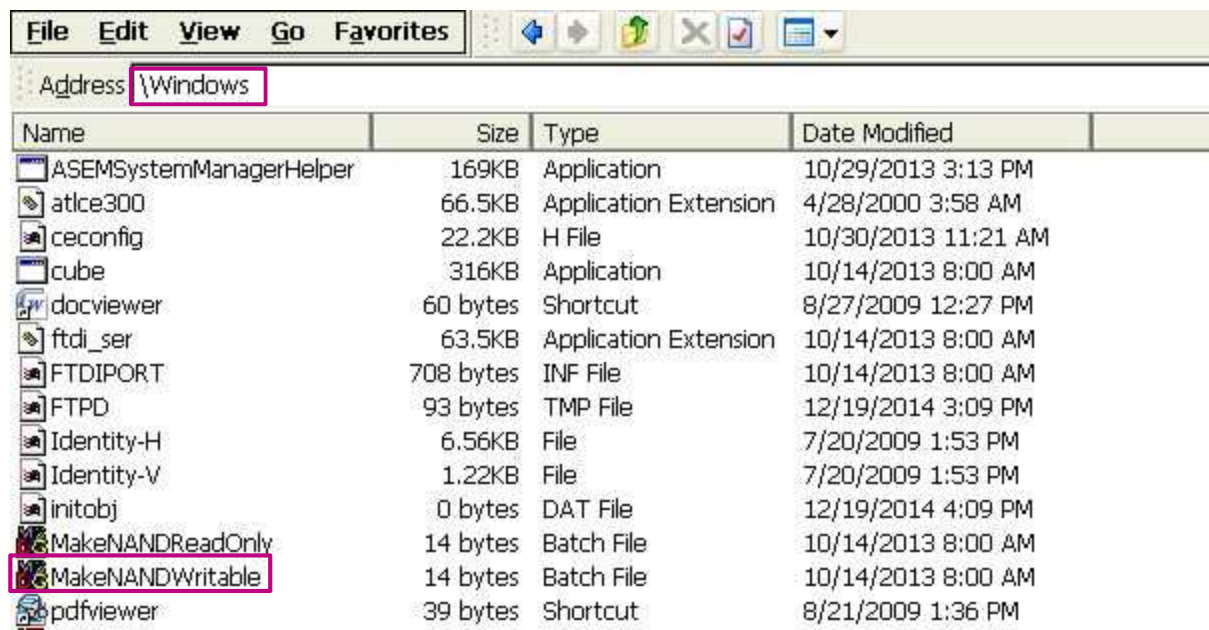   Copy these items to „**MMCMemory\CopyToWindows**" :
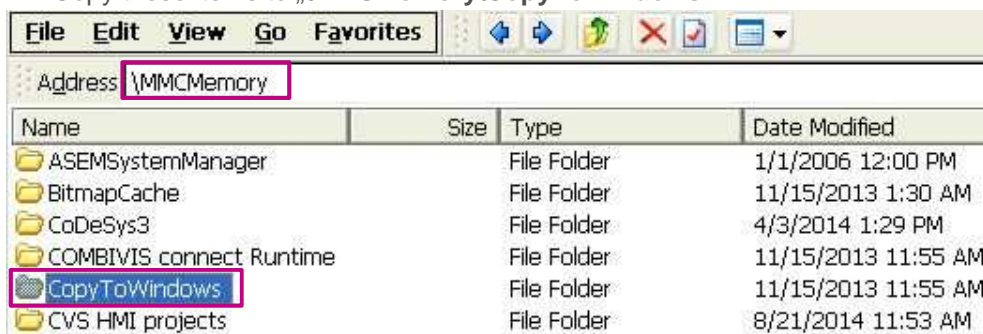
Note: If the folder „CopyToWindows" doesn't exist, you can create it manually.
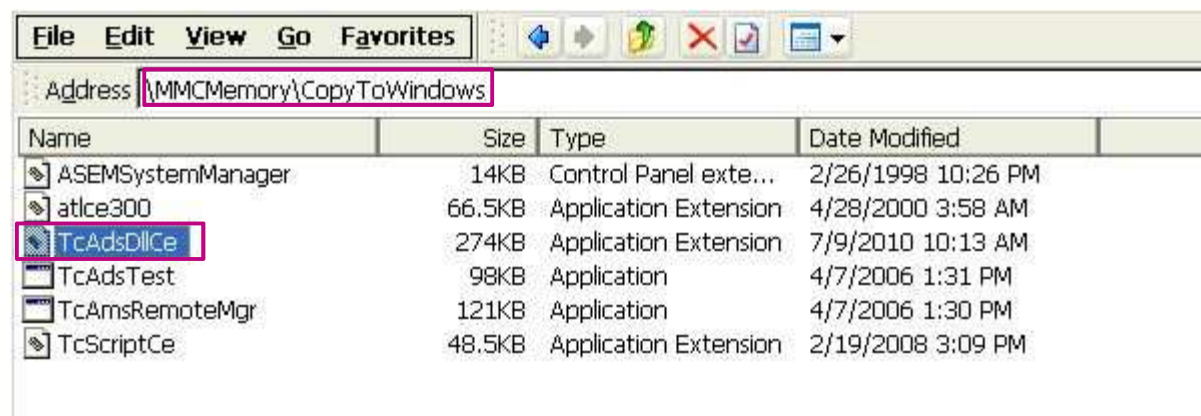
6. After copying all files, you have to restart (Power off/on) the C6-HMI.

7. Make the NAND-Flash writable. This function is placed in the folder „**\Windows**".

8. Copy the file „**TcAdsDllCe.dll**" from the folder „**\MMCMemory\CopyToWindows**" to „**\NANDFlash\COMBIVIS studio HMI**" and „**\NANDFlash\COMBIVIS studio HMI\Drivers**".

9. Restart the C6-HMI (Power off/on).

10. Execute the "**TcAmsRemoteMgr.exe**", which is placed in the folder „**\Windows**" of the C6-HMI

11. Add a new station and insert the properties of the Beckhoff device. After pressing OK the settings will be transferred to the registry.

Replace with actual Beckhoff-PLC-properties

12. Restart the C6-HMI (Power off/on). Now you can upload your project from COMBIVIS studio HMI to the C6-HMI.

Connect the KEB C6 VISU to a Beckhoff-PLC with WinCe system

1. Add a new driver to "**Project Explorer > Real Time DB > Comm. Drivers > Add New Comm. Driver…**"

2. Choose the "**Beckhoff ADS TwinCat**" driver and confirm it with OK.

3. Double-click on the driver opens a new screen for the settings. Add a new station by the tab "**Stations**". The other settings stay unchanged.
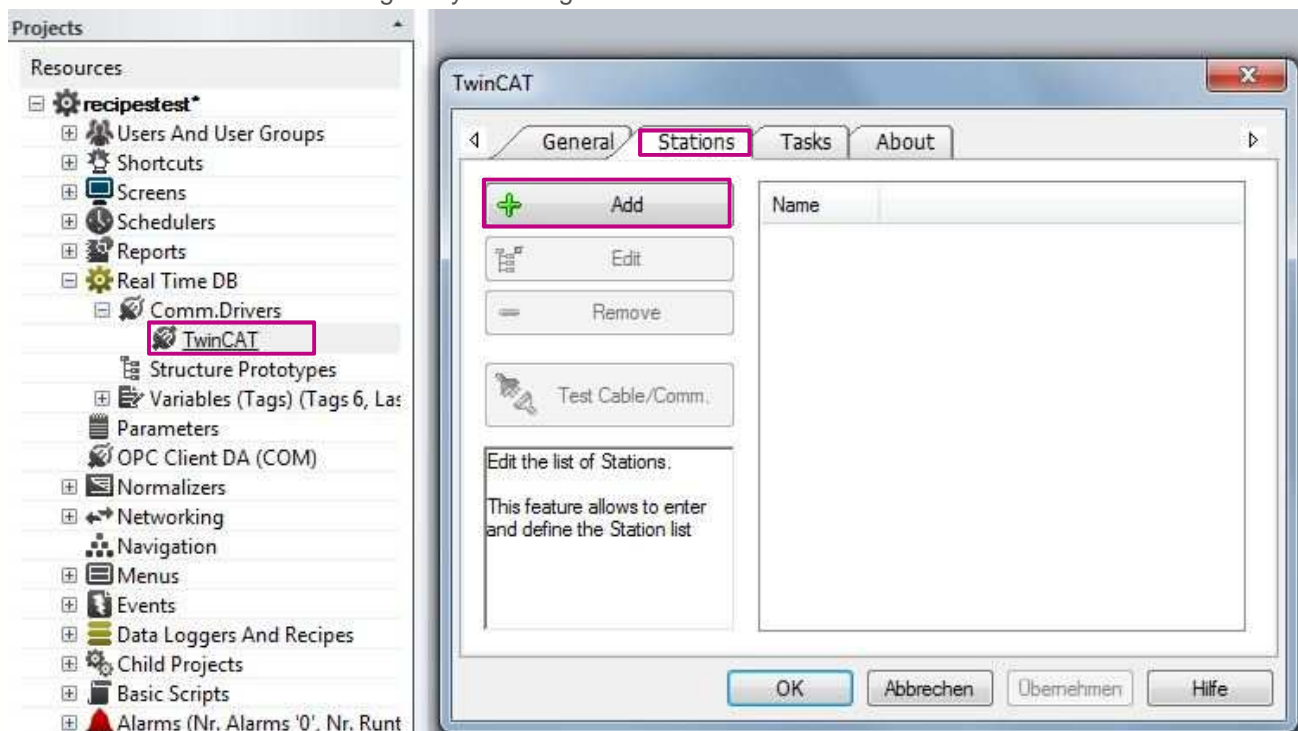
4. Change the „**Ams Net Id**" to the actual Beckhoff-PLC-address. The name of the station can be chosen randomly. The rest of the settings can stay as default-values. Note: The „**Ams Net Id**" of the HMI have to be transferred to the Beckhoff PLC.
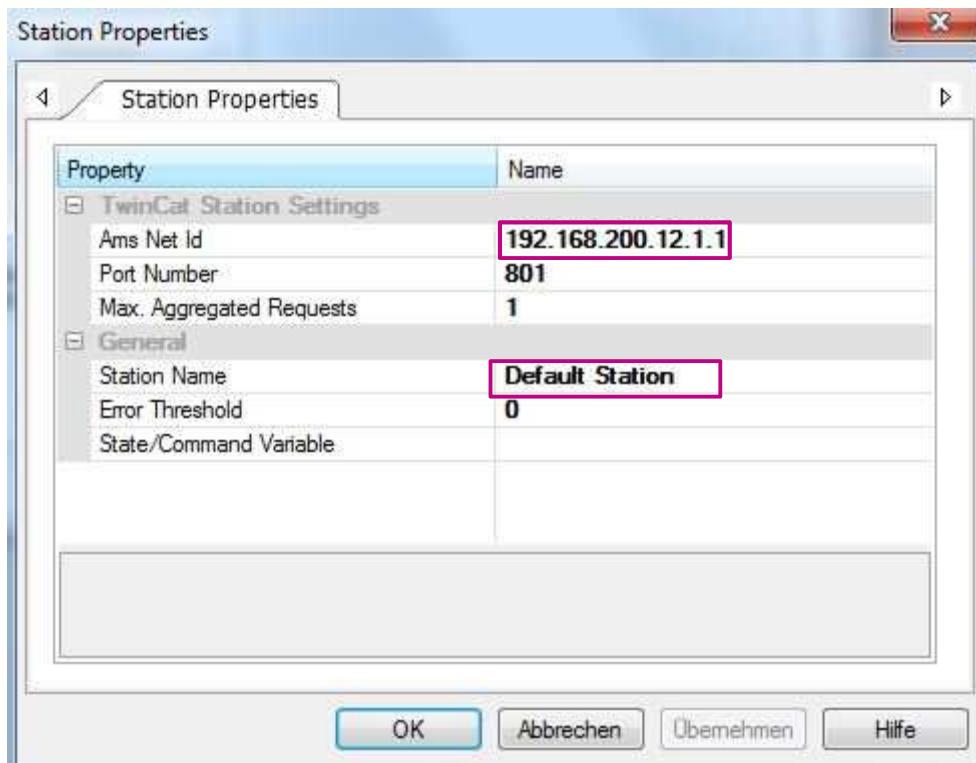
5. After adding the driver you have to copy the file **TcAdsDllCe.I586.CAB** from the installation-folder (eg.: **C:\Program Files\TwinCat\ADS Api\TcAdsDllCe\setup\TcAdsDllCe.I586.CAB**) of TwinCat to the desktop of the HMI. Run this file and the following files will be stored to the folder "**\Windows**" :
   - „**TcAdsDllCe.dll**", „**atle300.dll**", „**TcScriptCe.dll**", „**TcAmsRemoteMgr.exe**", „**TcAdsTest.exe**"

6. Copy the file „**TcAdsDllCe.dll**" to the folder „**\My Device\Programm Files\ COMBIVISStudio HMI**".

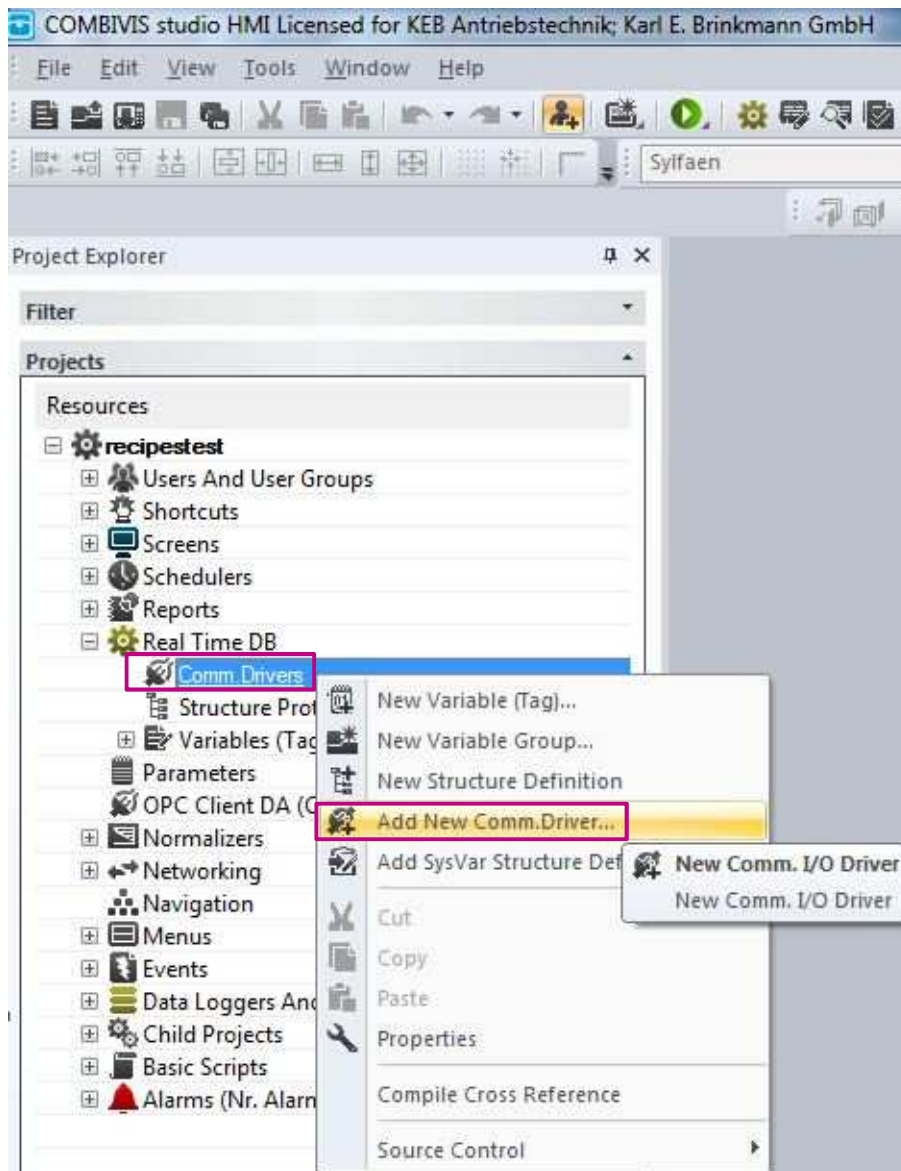7. Execute the "**TcAmsRemoteMgr.exe**", which is placed in the folder „„**\My Device \Windows**" of the C6-VISU

8. Add a new station and insert the properties of the Beckhoff device. After pressing OK the settings will be transferred to the registry.
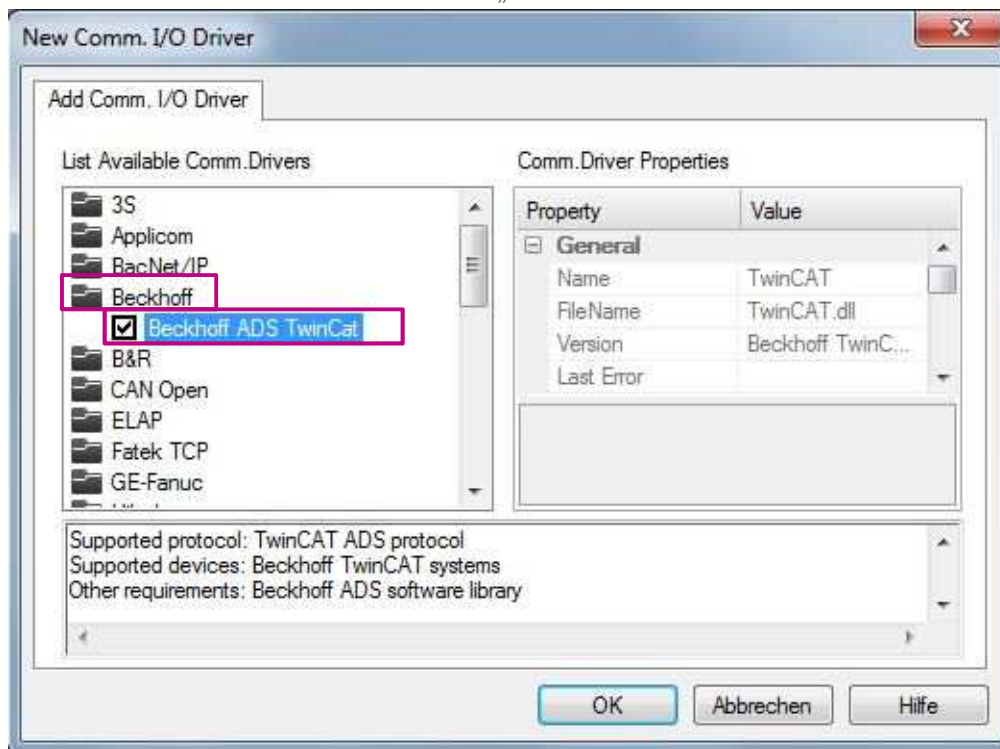

Replace with actual Beckhoff-PLC-properties
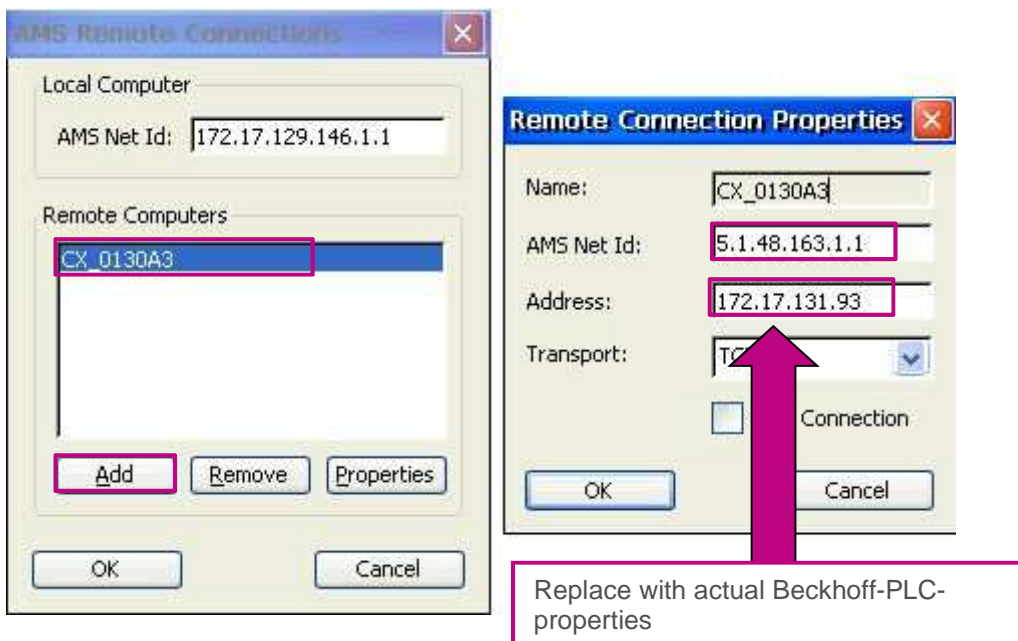
9. Restart the C6-VISU (Power off/on). Now you can upload your project from COMBIVIS Studio HMI.

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