3CS Codesys Evaluation Report

- An initial evaluation has been completed. We were able to install *CoDeSys v3.5 SP11*, the 3CS target support package, and OpenSyde.

- It is important that the user reads the manual before attempting to install the TSP. It is necessary to install the TSP external to CoDeSys by executing the supplied install.bat file and NOT by running the TSP manager directly.

- The Codesys manual also points you to the OpenSyde manual, but the process is not well described. Once you know how to set up the project in OpenSyde, the process is very simple.

- Configuring the Gateway for CoDeSys login is now both simpler and more complicated. All user edited files are now located within the Program Data directory instead of the Program Files directory. A pointer in the Gateway.cfg file facilitates this. Editing and restarting the Gateway is simplified and now all the user has to do is execute the desired .bin file to perform this step automatically.

- Within the project the only new/odd thing seems to be the "Empty<Empty>" object at the bottom of the device tree. This object is where you can "plug" either an RS232 port or the LIN interface. By default, the object is empty. Once plugged with the desired interface, the object functions as you would expect any mainboard serial interface to work.

- We were able to build, flash, run, and login to the template project. We have not attempted to write any further code yet, but it should be the same as our other CoDeSys installations.

- There is a bug in the Device Tree for the input channels. Channels 11 and 15 are missing from the I/O mapping tab. These channels are still configurable and fully functional and can be accessed via the BIOS/API function block calls, but they cannot be mapped to global variables in the device tree. STW Germany is now aware of this bug but we do not have an estimate as to when this will be corrected.

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