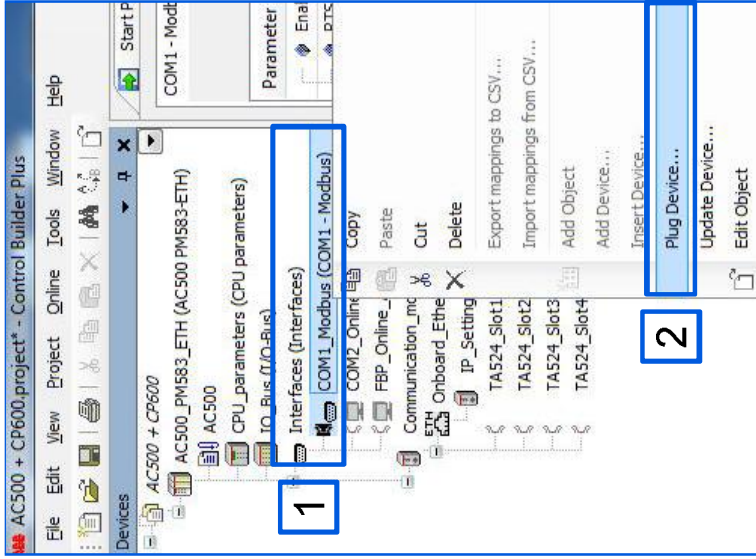
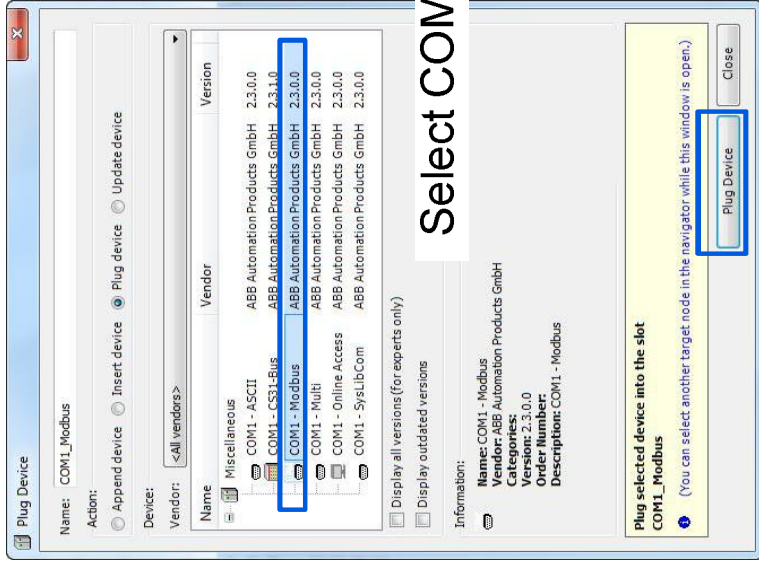


# Serial Protocols Configuration ABB Modbus RTU Driver – Setup in CBP



In Control Builder Plus/ In project tree  
//Interfaces/COM1 or COM2



# Serial Protocols Configuration ABB Modbus RTU Driver – Server Configuration

The screenshot displays the 'COM1\_Modbus' configuration window. The left pane shows a tree view with 'COM1\_Modbus (COM1 - Modbus)' selected. The main area contains a table of parameters:

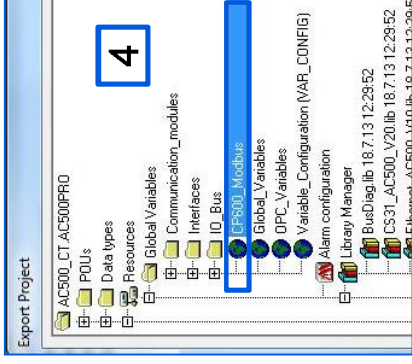
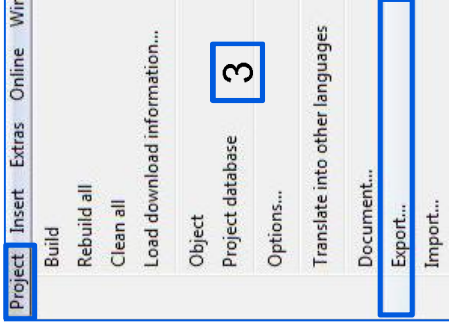
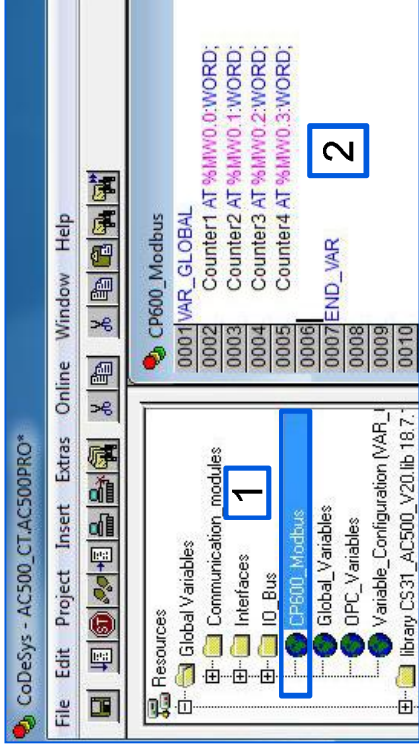
Parameter	Type	Value	Default Value	Unit	Description
Enable login	Enumeration of BYTE	Disabled	Disabled		Check for CoDeSys login
RTS control	Enumeration of BYTE	None	None		RTS control must be set to 'telegram' for RS485 !
Telegram ending value	WORD(0..65535)	3	3		Set the telegram ending value in ms or characters
Baudrate	Enumeration of DWORD	19200	19200	bits/s	Set the baudrate in bits per seconds
Parity	Enumeration of BYTE	even	even		Set the parity bit type
Data bits	Enumeration of BYTE	8	8	bits/character	Set the character size
Stop bits	Enumeration of BYTE	1	1		Set the number of stop bits per character
Run on config fault	Enumeration of BYTE	No	No		Start PLC program even on configuration error
Operation mode	Enumeration of BYTE	Server	Server		Set the operating mode
Address	BYTE(0..255)	1	0		Set the address of the device (No. of slaves)

The 'Modbus TCP/IP Server Settings' dialog is also shown, with the following settings:

- Modbus Server: 4
- Disable write to %MB0.x from: 0
- Disable write to %MB0.x to: 0
- Disable read to %MB0.x from: 0
- Disable read to %MB0.x to: 0
- Disable write to %MB1.x from: 0
- Disable write to %MB1.x to: 0
- Disable read to %MB1.x from: 0
- Disable read to %MB1.x to: 0
- Use %M area:  (Selected)
- Use %R area:

3. After double click on **COM1\_Modbus**, access and configure the Modbus settings, Server address, RS232 or RS485, Baudrate, parity and so on...
5. Select the choice to use an addressable flag area (%M) or persistent area (%R) for Modbus exchange

# Serial Protocols Configuration ABB Modbus RTU Driver – Create Export File (.exp)



## In CODESYS\ In Resources\ Global Variables

1. Create an own variable list for data exchange via Modbus
2. Insert all needed variables (%M or %R)
3. Select *Project\Export object*
4. Select the variable list containing the data for CP600 communication
5. And export the list