# Welcome to ABB Automation Builder 1.0.1

This README file contains important information about the Automation Builder and the Control Builder Plus software.

Please read this file carefully and completely. It contains the latest information and relevant documentation.

#### **System Requirements:**

- Pentium PC, 1GHz, 3 GB RAM
- Hard disk memory: 10 GB
- SVGA graphics adaptor 256 colors, resolution of 1024x768 pixels
- USB 2.0 port
- Windows XP (Service Pack 3 or later) / Windows 7 (32/64 Bit) Professional / Enterprise / Ultimate

#### Attention:

The installation of the ABB Automation Builder software requires administrator rights.

Prior to installation, the Control Builder Plus, CoDeSys software and the CoDeSys Gateway Server must be shut down.

If you have already installed the ABB Automation Builder 1.0, you can perform an update to the ABB Automation Builder 1.0.1 via the Service Release 1.

## Information about the installation of the Service Release 1 (SR1) Update package:

A basic requirement for the installation of the SR1 Update package is that Automation Builder 1.0/Control Builder Plus 2.3.0 have already been installed.

- Start the setup by double-clicking on the update package (ABB\_Automation\_Builder\_V1.0\_SR1.exe). You will be guided interactively through the installation.
- 2. Press the "Update" button to obtain an overview of changes, innovations and further links.
- **3.** The update checks which software components have been installed on your computer and then shows you the required updates. All installed software components will be automatically updated.
- 4. Start the installation by pressing the "Update" button.

#### Remark:

If you decide to install additional Automation Builder packages with the original USB media after installing the Service Release, please re-apply the Service Release to also update these additional packages.

## Information about the installation of the complete Automation Builder 1.0.1 by means of a USB stick:

- 1. Deinstall earlier versions of Control Builder Plus from your computer. You can keep using your previous projects with the new version in the corresponding compatibility mode or update them to the new version.
- 2. Installation of the software using the installation menu of the ABB Automation Builder USB stick. If the setup does not start automatically, start it via run "start\_menu.exe".
  - Select the installation language of the ABB Automation Builder setup.
  - Press the "Installation" button.
  - Establish the type of installation. Once you have completed the selection of the software packages or have decided in favor of the standard installation, start the installation by pressing the "Install" button.
  - The next screen shows you the installation sequence and the components of the software packages to be installed.
  - You will be guided interactively through the installation.
- 3. If you have selected a user-defined installation, you can select or deselect optional software packages manually during the installation. These are the AC500 PLC packages:
  - Drive Manager
  - AC500-S safety PLC
  - OPC server

and

- CP600 operating panels
- Motion Controller MicroFlex e150
- Robot Controller IRC5
- Programmable drives ACS880

#### Version identification

In Control Builder Plus, you can display the installed version via Help -> About....



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## 1. Important information about Control Builder Plus

PS501 Control Builder Plus V2.3.0 is based on CODESYS Automation Platform V3.5.0.3 and CoDeSys V2.3.9.40.

Note: To make it easier to read, the Control Builder Plus is abbreviated hereinafter as CBP.

#### 1.1 Special information regarding AC500-S safety PLCs

Before using the safety configuration and programming tools contained in PS501 CBP, you must have read and understood the AC500-S Safety PLC User Manual (see www.ABB.com/PLC). Only qualified personnel is allowed to work with AC500-S Safety PLCs.

Compiling and executing safety projects on SM560-S Safety CPUs require the purchase of a PS501-S license enabling package.

#### 1.2 Compatibility of PS501 Control Builder Plus

PS501 V2.3.0 offers special compatibility features for projects created with CBP V2.2.1 and CBP V2.1.0. Side-by-side installation of different versions is not required. Projects created with CBP V2.2.x and CBP V2.1.x can be opened in two different ways:

- Opening in the compatibility mode: The project is opened with the version of CBP it was initially created with. In this case, newer features and devices cannot be used.
- Opening in the update mode: The project is updated to the newest version of CBP. However, the new features and devices may require an update of the PLC firmware as well. After the update, the project can no longer be opened with previous versions. Keeping a backup copy for further use with previous versions should be considered.

Projects created with previous versions can be updated to the new version. For further information, please see the end user documentation and online help.

If you are using a PLC with a firmware version older than that of the CBP, the PLC will generate a diagnostic message if features are used that are not yet supported. In this case, you should consider updating your PLC to a firmware equal to or higher than the version of CBP.

#### 1.3 PROFINET

The PROFINET configuration format has changed from version V2.0.x to V2.1.0 of PS501 Control Builder Plus.

- A PROFINET configuration created with CBP V2.0.x requires CPU-FW V2.0.x
- A PROFINET configuration created with CBP V2.1.0 or higher requires CPU-FW V2.1.3 or higher.
- Using the "Update device" function in CBP will automatically convert it to the new configuration format.

### 1.5 Information and updates via Internet

The latest news, information and updates around the controller family AC500, the visualization system CP600 and the Automation Builder can be found at <u>www.abb.com/PLC</u>.

## 2. Changes in Automation Builder 1.0 Service Release 1

The service release includes changes for the following device groups:

PLC-AC500

- Various bug fixes and improvements
- Support of PM556-ETH

New functions	PM554	PM564	PM554-ETH	PM564-ETH	PM572	PM573-ETH	PM582	PM583-ETH	PM590-ETH	PM591-ETH	PM592-ETH	and Device
Quick data exchange between PM5xx and SM560-S					Х	Х	Х	Х	Х	Х	Х	SM560-S
New function block BOOTPRO_HASH_INFO, which provides MD5 values for all parts of a user program. The MD5 values only change when the user program changes.	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	
From C-Code access to further standard functions atof, atoi, atol, strtod, strtol, strtoul, calloc, realloc, bsearch, qsort is possible.					Х	Х	Х	Х	Х	Х	Х	
DO524	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	DO524

#### Safety PLC AC500-S

New functions	PM554	PM564	PM554-ETH	PM564-ETH	PM572	PM573-ETH	PM582	PM583-ETH	PM590-ETH	PM591-ETH	PM592-ETH	and Device
Example: Implementation for high-speed					Х	Х	Х	Х	Х	Х	Х	SM560-S
data exchange between PM5xx and												
SM560-S												

ABB Drive Manager

- Various bug fixes and improvements in stability
- Improved monitoring functionality
- Monitoring data can now be exported.

Control Panel - CP600

- Various bug fixes and improvements
- Export of the Panel Builder project directly from Control Builder Plus

Programmable Drive - ACS880

- Added option to set application parameters to defaults in Create boot application download. This ensures that application parameters are not holding old values after reboot of the drive with new an application.
- There is created application file packages (Application.wrp) for the external tools to add all application files firmware loading package.
- Parameter read/write functions (also input/output mapping) are changed to use external scaling interface in system library AY1LB\_System\_ACS880\_V3\_5 1.9.05. This is valid in ACS880 Primary Control Program AINFx 1.5x onwards. Previous system library versions internal scaling was used. Other parameters are having same scaling in internal and external interface. It is strongly recommend to check all parameter write/read functions and mappings in application in order to verify correct function. Here is listed parameters which are having different scaling in new firmware AINLx1.5 compare to older firmware (1.41. or older) in case of reading /writing or using input/output mapping.
- (5.11, 21.18, 27.16, 17.20, 27.21,43.1, 43.8, 43.9, 43.10, 43.11, 43.12, 92.11, 93.11, 97.3, 97.4,97.11, 97.13, 97.16, 97.17, 98.11, 98.12, 98.13, 98.14, 98.15)

Motion Controller - MicroFlex e150

- Various bug fixes and improvements
- Support for the following MicroFlex e150 firmware versions:
  - o Builds 5710, 5711 and 5712

## 3. Changes in Automation Builder 1.0

PLC-AC500

New functions	PM554	PM564	PM554-ETH	PM564-ETH	PM572	PM573-ETH	PM582	PM583-ETH	PM590-ETH	PM591-ETH	PM592-ETH	and Device
Safety libraries for AC500-S Safety					X	X	X	X	X	X	X	SM560-S
Support for AC500-S Safety PLCs					Х	Х	Х	Х	Х	Х	Х	SM560-S
Extension of the CAA file library by FILE_MOVE, FILE_DISKFORMAT and FILE_DISKSTATUS	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
Performance improvement PM59x									Х	Х	Х	
PS501 Control Builder Plus SW update via packages	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
C programming					Х	Х	Х	Х	Х	Х	Х	
Integrated version support. CBP V2.3.0 also includes CBP versions V2.2.1 and V2.1.0.	х	Х	х	Х	Х	Х	Х	Х	Х	х	Х	
Function block BOOTPRG_HASH for calculating MD5 Hash via the boot project in the PLC.	х	Х	х	Х	Х	Х	Х	Х	Х	Х	х	
Support of modular EtherCAT devices					Х	Х	Х	Х	Х	Х	Х	
CANopen configuration supports deactivation of CANopen devices					Х	Х	Х	Х	Х	Х	Х	
Keyboard support for menu navigation in CBP	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
Installation of the CBP integrated into the Automation Builder V1.0 setup	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
Improved navigation between editors and the associated objects in the device tree.	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
Export of a device list	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
Improved performance in "Create configuration data"	х	Х	х	Х	Х	х	Х	Х	Х	Х	Х	
Integration of the IRC5 robot controller as PROFINET device					Х	Х	Х	Х	Х	Х	Х	ABB IRC5
Integration of MicroFlex e150 servo drive as EtherCAT device					Х	Х	Х	Х	Х	Х	Х	MicroFlex e150
IEC-61131 programming of the ACS880 industrial drive												ACS880
DriveManager support for ACS550, ACQ810 drives on Profibus and PROFINET					Х	Х	Х	Х	Х	Х	Х	ACS550, ACQ810

## 4. Update of devices in Automation Builder 1.0 Service Release 1

For several devices newer versions are provided with the Automation Builder 1.0 SR1. This requires manual device object updates in certain scenarios:

- When opening projects/project archives created with Control Builder Plus prior to 2.3.0 a complete project update is required which updates automatically all devices in the project. In general no manual steps are required.
- When opening projects/project archives created with Control Builder Plus version 2.3.0 the devices are not automatically updated to the latest available version (2.3.X). Manual steps are required which are explained in details in the section below.

#### Device Updates in projects/project archives created with Control Builder 2.3.0

#### **Opening Projects:**

After opening a project some device objects might be highlighted with question marks. Additionally, the Message Window lists all objects that should be updated to the latest version of the description file. The steps to update the device objects are described below.

CBP_Project2	X Start Page					-
	Recent projects	News				
G AC500_PM590_ETH (AC500 PM590-ETH)	CBP_Project2	GBack Forward   GHome				
CPU_parameters (CPU parameters)     CPU_parameters (CPU parameters)     Io_bus (I/O-Bus)     Io_finterfaces (Interfaces)	CBP_Project1	The current news channel might not be valid or your Inter channel, go to the Options dialog and select the Load&Sav	t be unavailable. To char	nge the news		
- Ç  COM1_Onine_Access (COM1 - Onine Access) - Ç  COM2_Onine_Access (COM2 - Onine Access) - Ç  FBP_Onine_Access (FBP - Onine Access) - Communication_modules (Communication modules)						
	Open a project archive from PLC Learn about basic concepts Visit the homepage					
	<ul> <li>Open a project archive from PLC</li> <li>Learn about basic concepts</li> </ul>					• <b></b>
	<ul> <li>Open a project archive from PLC</li> <li>Learn about basic concepts</li> <li>Visit the homepage</li> <li>Version information</li> </ul>			• 0 error(s) 😗 141		
	Open a project archive from PLC     Learn about basic concepts     Visit the homepage     Version information     Messages     Al messages     Description		Project	• O error(s) • 141 Object		
	Open a project archive from PLC     Learn about basic concepts     Visit the homepage      Version information      Messages      Description	was not found in the device repository! Please reinstall this devic	1.56	and the second s	warning(s) 0 m Position	
	Open a project archive from PLC     Learn about basic concepts     Visit the homepage     Version information     Messages     All messages     Description     The device ACSN1_Motion_PROFINET_IO	was not found in the device repository! Please reinstall this devic PROFINET_IO exists! Please update the device manually.	Project	Object	warning(s) 0 m Position	
	Open a project archive from PLC     Learn about basic concepts     Visit the homepage     Version information     Messages     All messages     Description     The device ACSM1_Motion_PROFINET_IO     A newer version for device ACSM1_Motion     So		Project CBP_Project2	Object ACSM1_Motion_PR0	warning(s) 0 m Position	
	Open a project archive from PLC     Den a project archive from PLC     Wist the homepage     Version information     Messages     Description     The device ACSM1_Motion_PROFINET_IO     Anewer version for device ACSM1_Motios     The device ACQ810_PROFIBUS was notion     The device ACQ810_PROFIBUS was notion	n_PROFINET_IO exists! Please update the device manually.	Project CBP_Project2 CBP_Project2	Object ACSM1_Motion_PRO ACSM1_Motion_PRO	warning(s) 9 0 m Position	
	Open a project archive from PLC     Den a project archive from PLC     Learn about basic concepts     Visit the homepage     Version information     Messages     Description     The device ACSM1_Motion_PROFINET_IO     A newer version for device ACQ810_PROF	n_PROFINET_IO exists! Please update the device manually. und in the device repository! Please reinstall this device using the	Project CBP_Project2 CBP_Project2 CBP_Project2	Object ACSM1_Motion_PR0 ACSM1_Motion_PR0 ACQ810_PROFIBUS	warning(s) 🛛 0 m Position	

#### Project archives:

When opening a project archive the original device description version is installed in the current device repository on customer's choice. The Message Window lists all objects that should be updated to the latest version of the description file. The steps to update the device objects are described below.

ALL CBP_Project2.project - Control Builder Plus				
<u>File Edit View Project Online Tools Window H</u> elp				
: 🎦 😅 🖬 I 🎒 I 🕹 🗈 🛍 🖄 I 🛱 🖾 I 😭				
Devices 👻 🕂 🗶	Start Page AC500_PM590_ETH			<b>~</b> ×
CBP_Project2         Image: CBP_Project2           Image: CBP_Project2         Image: CBP_Project2      <	Information General: Name: ACS00 PM590-ETH Vendor: ABB Automation Products GmbH Categories: PCLs Type: 4096 ID: 1020 50-2 Version: 2.3.0.0 Oceratignian Action, 15AP 15000080271 Oceratignian Action, 15AP 1500080271 Oceratignian Ac			
៉ ្តែ CM579_ECAT (CM579-ECAT)	Messages			<b>→</b> 4 X
GM579_Master (CM579-ECAT-Master) GM679_MicroFlex_e150 (MicroFlex e150)	All messages	1.8	• 0 error(s) 🤨 7 v	varning(s) 0 message(s)
Mint (Mint)	Description	Project	Object	Position
🖨 🕼 CM572_DP (CM572-DP)	A newer version for device AC500 PM590 ETH exists! Please update the device manually.	CBP Project2	AC500 PM590 ETH	Position
GM572_Master (CM572-Master)	A newer version for device AC500_M500_E m exists! Please update the device manually.	CBP Project2	AC500_FM550_ETH	
PDP22_FBP_DC505 (PDP22-FBP DC505)	A newer version for device ACS355 PROFINET IO exists! Please update the device manu	CBP Project2	ACS355 PROFINET	E
DC505_FBP (DC505-FBP)	A newer version for device ACS880 PROFINET IO exists! Please update the device manu	CBP Project2	ACS880 PROFINET	
ACQ810_PROFIBUS (ACQ810 PROFIBUS)	A newer version for device ACSM1_Motion_PROFINET_IO exists! Please update the devic	CBP_Project2	ACSM1_Motion_PRO	
ACSM1_Speed_PROFIBUS (ACSM1 Speed PRO	A newer version for device ACQ810_PROFIBUS exists! Please update the device manually.	CBP_Project2	ACQ810_PROFIBUS	
🕮 🗐 CM579_PNIO (CM579-PNIO)	😗 A newer version for device ACSM1 Speed PROFIBUS exists! Please update the device ma	CBP Project2	ACSM1 Speed PROF	*
K	Precompile: 0 <u>OK</u>			
			Current us	er: (nobody)

Device Updates Steps:

• Please update the AC500 PM node via "Update device" in context menu. All sub nodes will be updated automatically to the latest available version 2.3.X.

12 🚔 🔛   🍈   👗 🖻										
evices	<b>→ ₽ X</b>	Start Page								
CBP Project2	-		News							
AC500_PM590_ET	Target change	CBP_Project2	Back Forward Home							
CPU_paramete     OPU_paramete     O     IO_Bus (I/O-B)     O     Interfaces (In(	Paste	Getting started	The current news channel might not be valid or your Inter channel, go to the Options dialog and select the Load&Sav		<mark>t be unavailable. To cha</mark> r	nge the news				
		൙ Open a project from disk								
ETH	Import mappings from CSV									
Conboard_l     Concord_l     Concord_l     Concord_l     AC500_SM     Concord_l     AC500	Add Object Add Device	Open a project archive from disk     Open a project archive from PLC     Learn about basic concepts								
= 🕜 AC500_SM	Add Object Add Device Insert Device	Open a project archive from disk Open a project archive from PLC								
☐ AC500_SM ☐ AC500 ☐ AC500 ☐ AC500 ☐ CM579_E	Add Object Add Device Insert Device Update Device	Open a project archive from disk     Open a project archive from PLC     Learn about basic concepts								
<ul> <li></li></ul>	Add Object Add Device Insert Device Update Device C Edit Object	<ul> <li>Open a project archive from disk</li> <li>Open a project archive from PLC</li> <li>Learn about basic concepts</li> <li>Visit the homepage</li> </ul>					<b>▼</b> ₽			
●       ●       ▲	Add Object Add Device Insert Device Update Device	Open a project archive from disk     Open a project archive from PLC     Learn about basic concepts     Visit the homepage     Version information			• O error(s) ① 14					
□       ●	Add Object Add Device Insert Device Update Device C Edit Object	Open a project archive from disk     Open a project archive from PLC     Learn about basic concepts     Visit the homepage     Version information     Messages     Al messages		Project						
●       ●       ▲	Add Object Add Object Insert Device Update Device G Edit Object Check configuration	Open a project archive from disk     Open a project archive from PLC     Learn about basic concepts     Visit the homepage     Version information Messages     All messages     Description	was not found in the device reposition? Please reinstall this devic	Project CRP Project2	Object	warning(s) 🛛 n Position				
Garage Construction (Construction) Garage Construction (Construc	Add Object Add Obvice Insert Device Update Device Edit Object Check configuration Set Gateway Login	Open a project archive from disk     Open a project archive from PLC     Learn about basic concepts     Visit the homepage     Version information Messages     Description     The device ACSM1_Motion_PROFINET_IO	was not found in the device repository! Please reinstall this devic PROFINET 10 exists! Please undate the device manually.	Project CBP_Project2 CBP Project2		warning(s) 0 n Position	▼ ₽ nessage			
G AC500_SH G AC500_SH G (G) CM579_5 G (G) CM579 G (G) CM579 G (G) CM572_1 G (G) CM572 G (G) CM574 G	Add Object Add Obvice Insert Device Update Device Édit Object Check configuration Set Gateway Login Q910_PROFIBUS (ACQ810 PROFIBUS	Open a project archive from disk     Open a project archive from PLC     Learn about basic concepts     Version information     Messages     Al messages     Description     O The device ACSM1_Motion_PROFINET_IO     A newer version for device ACSM1_Motio     The device ACSM1_Motion		CBP_Project2	Object ACSM1_Motion_PR0	warning(s) 0 n Position				
	Add Object Add Obvice Insert Device Uddate Device Edit Object Check configuration Set Gateway Login Q810_PROFIBUS (ACQ810 PROFIBUS SN1_Speed_PROFIBUS (ACSN1 Speed	Open a project archive from disk     Open a project archive from PLC     Learn about basic concepts     Visit the homepage     Version information     Messages     All messages     Description     The device ACSM1_Motion_PROFINET_IO     A newer version for device ACSM1_Motio     O The device ACQ810_PROFIBUS was not for	n_PROFINET_IO exists! Please update the device manually. und in the device repository! Please reinstall this device using the	CBP_Project2 CBP_Project2 CBP_Project2	Object ACSM1_Motion_FRO ACSM1_Motion_PRO. ACQ810_PROFIBUS	warning(s) 🚯 0 n Position				
	Add Object Add Obvice Insert Device Update Device Édit Object Check configuration Set Gateway Login Q910_PROFIBUS (ACQ810 PROFIBUS	Open a project archive from disk     Open a project archive from PLC     Learn about basic concepts     Version information     Messages     Al messages     Description     The device ACSM1_Motion_PROFINET_IO     A newer version for device ACQ810_PROF     Source Version for device ACQ810_PROF     A newer version for device ACQ810_PROF	n_PROFINET_IO exists! Please update the device manually.	CBP_Project2 CBP_Project2	Object ACSM1_Motion_PRO ACSM1_Motion_PRO	warning(s) 0 n Position				

• Select in the dialog the same device with version 2.3.1.

	-		
Vendor:	<all vendors=""></all>		
Name		Vendor	Version
	Miscellaneous		
6 🗿			
0		ABB Automation Products GmbH	
	AC500 PM554	ABB Automation Products GmbH	
	AC500 PM554-ETH	ABB Automation Products GmbH	
-	AC500 PM556-ETH	ABB Automation Products GmbH	
	AC500 PM564		2.3.1.0
l	AC500 PM564-ETH	ABB Automation Products GmbH	
	AC500 PM572	ABB Automation Products GmbH	
	AC500 PM573-ETH	ABB Automation Products GmbH	
	AC500 PM582	ABB Automation Products GmbH	
	AC500 PM583-ETH	ABB Automation Products GmbH	The second se
	AC500 PM590-ETH	ABB Automation Products GmbH	
	AC500 PM591-ETH AC500 PM592-ETH	ABB Automation Products GmbH ABB Automation Products GmbH	
Displ	ay all versions (for exper	ts only)	
Displa	ay outdated versions		
Informatio	on:		
	ame: AC500 PM590-ETH endor: ABB Automation P ategories: PLCs ersion: 2.3.1.0 rder Number: ISAP1500 escription: AC500, Prog RS232/485, FBP, SD-Car	100R0271 .Logic Controller, 2MB, 24VDC, ETHER	NET,

All sub nodes below the selected AC500 PM are automatically updated to the latest version 2.3.X in the device repository. The device update result is shown in the Message Window.

ABB CBP_Project2.project* - Control Builder Plus					
Eile Edit <u>V</u> iew Project <u>O</u> nline <u>T</u> ools <u>W</u> indow <u>H</u> elp					
: 🛅 🚅 📕 I 🎒 I 🎄 🖻 🛍 🗙 I 👫 🎼 🗂					
Devices 👻 📮 🗙	Start Page AC500_PM590_ETH				<b>→</b> ×
CBP_Project2	Information				
G M AC500_PM590_ETH (AC500 PM590-ETH)	Information				
	General:				Â
CPU_parameters (CPU parameters)	Name: AC500 PM590-ETH Vendor: ABB Automation Products GmbH				
IO_Bus (I/O-Bus)	Categories: PLCs				=
☐ Interfaces (Interfaces) ↓ COM1 Online Access (COM1 - Online Access)	Type: 4096 ID: 1020 5D42				
- COM1_Online_Access (COM1 - Online Access)	Version: 2.3.1.0				
S Gorna Comme Access (Come Access)	Order Number: ISAP150000R0271 Description: AC500, Prog.Logic Controller, 2MB, 24VDC, ETHERNET,				
Communication_modules (Communication modules)	2xRS232/485, FBP, SD-Card Slot, LCD Display				
Control C					
AC500_SM560_S (AC500 SM560-S)					
AC500_S	Image:				-
STATE CM579_ECAT (CM579-ECAT)					
GM579_Master (CM579-ECAT-Master)	Messages				• <b>4 X</b>
🖹 🖓 🗍 MicroFlex_e150 (MicroFlex e150)	All messages	•	🔮 0 error(s) 🔮	🕽 7 warning(s) 🚺 29 m	essage(s)
Mint (Mint)	Description	Project	Object	Position	^
□ - (創 CM572_DP (CM572-DP) □ - 創 CM572 Master (CM572-Master)	Device ACSM1_Speed_PROFIBUS updated				
☐ [] CM572_Master (CM572-Master)     ☐ 2] PDP22_FBP_DC505 (PDP22-FBP DC505)	Device <empty> notupdated, Device description possibly not available</empty>				
DC505_FBP (DC505+FBP)	Device <empty> notupdated, Device description possibly not available</empty>				
÷ ℓ ACQ810_PROFIBUS (ACQ810 PROFIBUS)	Device CM579_PNIO notupdated, Device description possibly not available				-
ACSM1_Speed_PROFIBUS (ACSM1 Speed PRO	Device CM579_Master_1 not updated, Device description possibly not available				H
	Device ACS355_PROFINET_IO updated				
	Device ACS880 PROFINET IO updated	a a			
۲. III. ۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲.	Precompile: 10 OK				
			Cu	rent user: Owner	

#### General Remark:

It is not recommended to open projects/project archives created or updated with the Control Builder Plus SR 1 version in previous Control Builder Plus 2.3.0 versions! Devices, their parameters and functionality might not work properly in previous versions.