

APPLICATION NOTE

# AC500 ADD NEW LIBRARY VERSION TO AN AC500 V3 PROJECT



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## 1 Introduction

## 1.1 Scope of the document

Library handling with AC500 V3 (CODESYS V3) is different from the known procedure in AC500 V2. In AC500 V3 can be different Versions of one Library in the Library Manager and user can change the version within the project.

This Document describes how to install a new Library and choose Library version in the Project.

## 1.2 Compatibility

The application example explained in this document have been used with the below engineering system versions. They should also work with other versions, nevertheless some small adaptations may be necessary, for future versions.

- AC500 V3 PLC
- Automation Builder 2.1.0 or newer

## 2 Install Library in Library Repository

New Libraries will normally be distributed as compiled Library.

e.g. ABB\_ModTcpBase\_AC500.compiled-library

### Save the Library at your PC

### **Open Library Repository**

Install library.project - Automation Builder								- 0	× c
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Choose Install

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OneDrive - ABB		] ABB_ModTcpBase_AC500.compiled-library	<mark>3</mark> 1.10.2019 13:25	COMPILED-LIBRA	
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> 1 3D Objects		] Install library-AllUsers.opt	06.11.2019 10:00	OPT File	
		] Install library-DEU103866-EUROPE.opt	06.11.2019 10:00	OPT File	
> 📃 Desktop		] Test_Modbus.backup	06.11.2019 07:46	BACKUP File	
> 🔮 Documents		] Test_Modbus.PLC_AC500_V3.Application	05.11.2019 11:59	BOOTINFO File	
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### Select Library and push Open

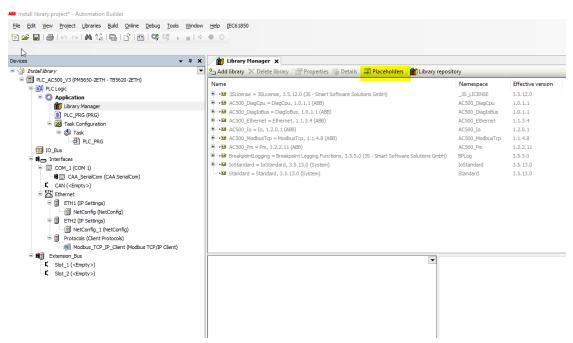
## After some seconds Repository shows the Library with the different versions

Library Re	System (C:\ProgramData\AutomationBuilder\AB_Managed Libraries_2.2)	Edit Locations
-Installed lib Company:	aries: (All companies) ~	Install
	<ul> <li>DiagUtil AEB</li> <li>DiagUtil AEB</li> <li>IOBus_Ext_Ref AEB</li> <li>IoDrvKNX ABB Automation Products GmbH</li> <li>IoMgr AEB</li> <li>ModRtuBase AEB</li> <li>ModTcpBase AEB</li> <li>ModTcpBase AEB</li> <li>I.1.1.6</li> <li>I.1.0.6</li> <li>NetxBase AEB</li> <li>StateMarkine AFR</li> <li>y category</li> </ul>	Find Details
Library Pr	ofiles	Close

Close

## **Choose Library Version in Project**

### Go to Library Manager



#### Go to Placeholder

Name	Library	Info
3SLicense	3SLicense, 3.5.12.0 (3S - Smart Software Solutions GmbH)	Resolved by licensing mechanism
AC500_DiagBase	DiagBase, 1.0.0.4 (ABB)	Resolved by device
AC500_DiagCpu	DiagCpu, 1.0.1.1 (ABB)	Resolved by device
AC500_DiagIoBus	DiagIoBus, 1.0.1.1 (ABB)	Resolved by device
AC500_DiagUtil	DiagUtil, 1.0.1.1 (ABB)	Resolved by device
AC500_Ethernet	Ethernet, 1.1.3.4 (ABB)	Resolved by device
AC500_Io	Io, 1.2.0.1 (ABB)	Resolved by device
AC500_IOBus_Ext_Ref	IOBus_Ext_Ref, 1.1.0.1 (ABB)	Resolved by device
AC500_ModbusTcp	ModbusTcp, 1.1.4.8 (ABB)	Resolved by device
AC500_ModTcpBase	ModTcpBase, 1.1.1.5 (ABB)	Resolved by device
AC500_Pm	Pm, 1.2.2.11 (ABB)	Resolved by device
AC500_StateMachine	StateMachine, 1.0.4.4 (ABB)	Resolved by device
AC500_SysSocket	SysSocket, 1.0.0.32 (ABB)	Resolved by device
BreakpointLogging	Breakpoint Logging Functions, 3.5.5.0 (3S - Smart Software Solutions GmbH)	Resolved by library profile
CAA Async Manager	CAA Async Manager Extern, 3.5.7.0 (CAA Technical Workgroup)	Resolved by device
CAA Behaviour Model	CAA Behaviour Model, 3.5.11.0 (CAA Technical Workgroup)	Resolved by device
CAA Callback	CAA Callback Extern, 3.5.11.0 (CAA Technical Workgroup)	Resolved by device
CAA Device Diagnosis	CAA Device Diagnosis, 3.5.13.0 (CAA Technical Workgroup)	Resolved by device
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Double Click to the Library

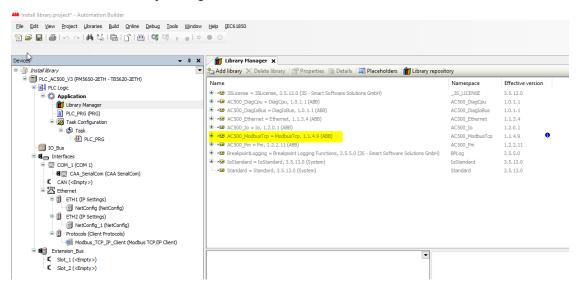
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#### AC500 ADD NEW LIBRARY VERSION TO AN AC500 V3 PROJECT

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### **Choose Version**

#### Result is visible in Library Manager





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