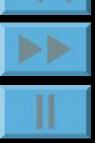


## Handling the drive data sets



You can connect to the drive units in two different ways:



Coupling to the individual drive unit via point-to-point Coupling to drive units within a network topology





## Handling drive data sets

The following subjects are discussed:

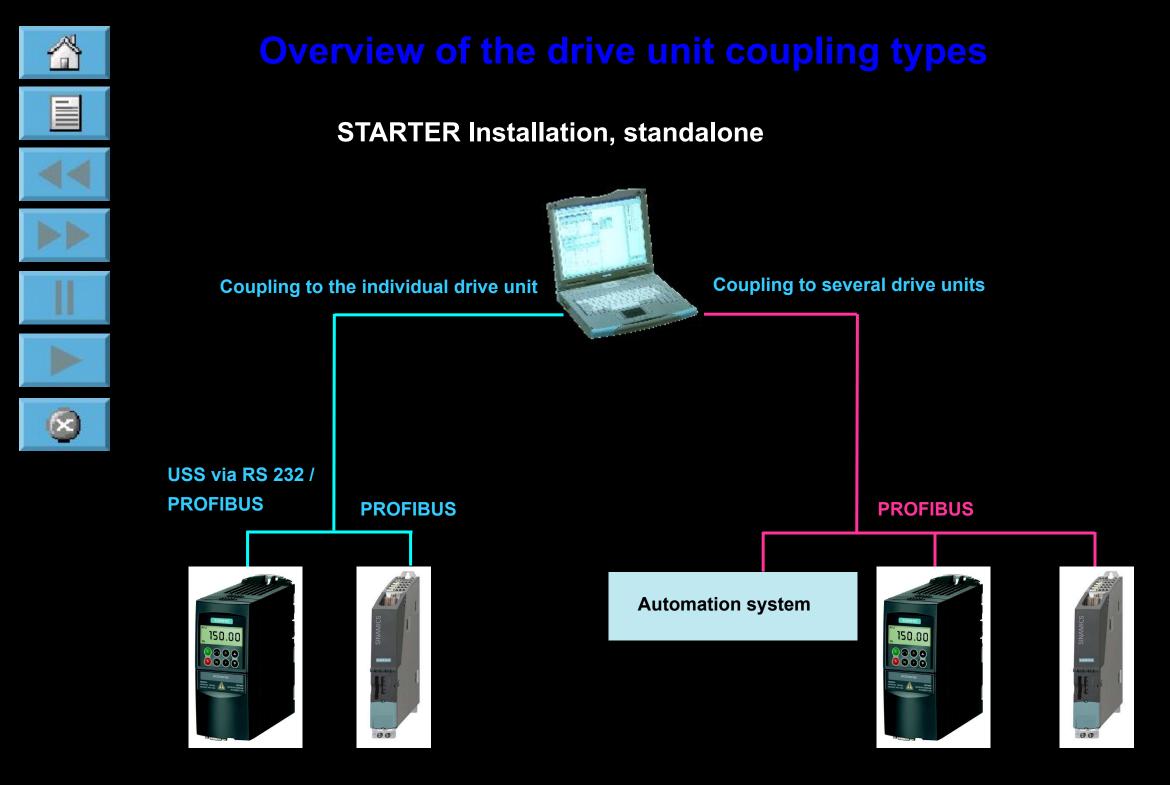
Overview of the drive unit couplings



Copying data sets into drive units Copying data sets into drive units in network architectures



- Copying from drive units (with data) into a project
  Copying from drive units (with data) between various projects
- Copying drive data sets into a project (XML export/import)
   Copying from drive projects (XML export/import)









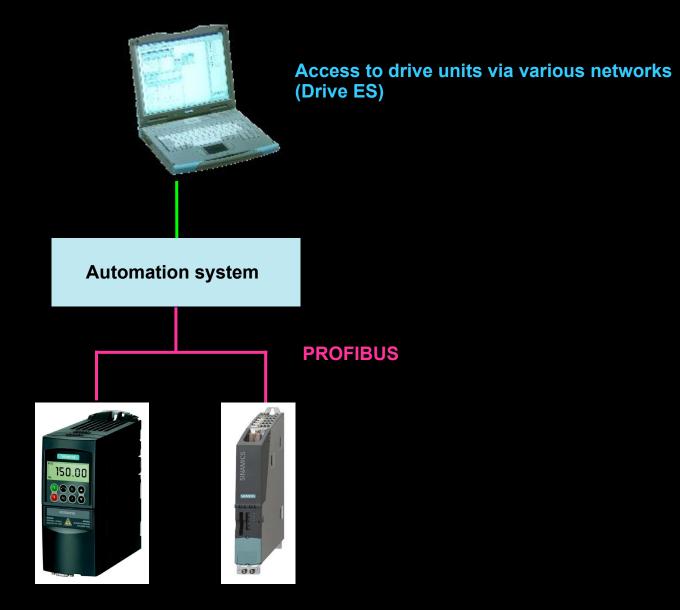






## **Overview of the drive unit coupling types**

### **STARTER Installation Drive ES Basic (TIA)**





## Copying data sets into drive units

Carry-out the following steps:

- The data set required is in the STARTER project.
- Copy the drive unit into STARTER.
- Set the bus address.
  - Establish a connection and transfer into the drive unit (download).



Insert single drive
 Agregat\_B22
 Overview
 Configuration
 Topology
 Control\_Unit
 Supply\_1

🗄 📥 Input/output component

> Diagnostics
 > Alarm history

Control panel
 D
 Pump\_station\_su
 MICROMASTER\_430

🖻 🎒 Project\_Drive

Pump\_Station\_24
 Pump\_Station\_24
 MICROMASTER\_420
 Purive navigator
 > Drive navigator
 > Configuration
 > Terminals / bus
 > Limits



#### 





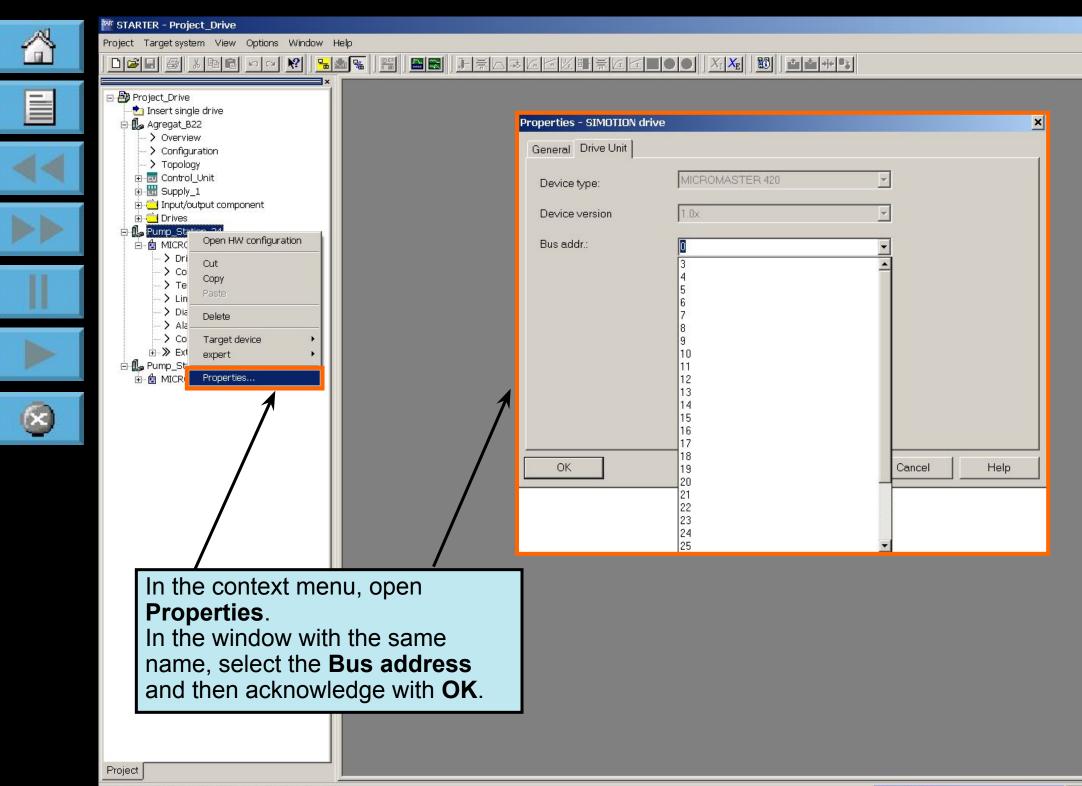
Select a **drive data set** in order to copy this into other drive units.



x

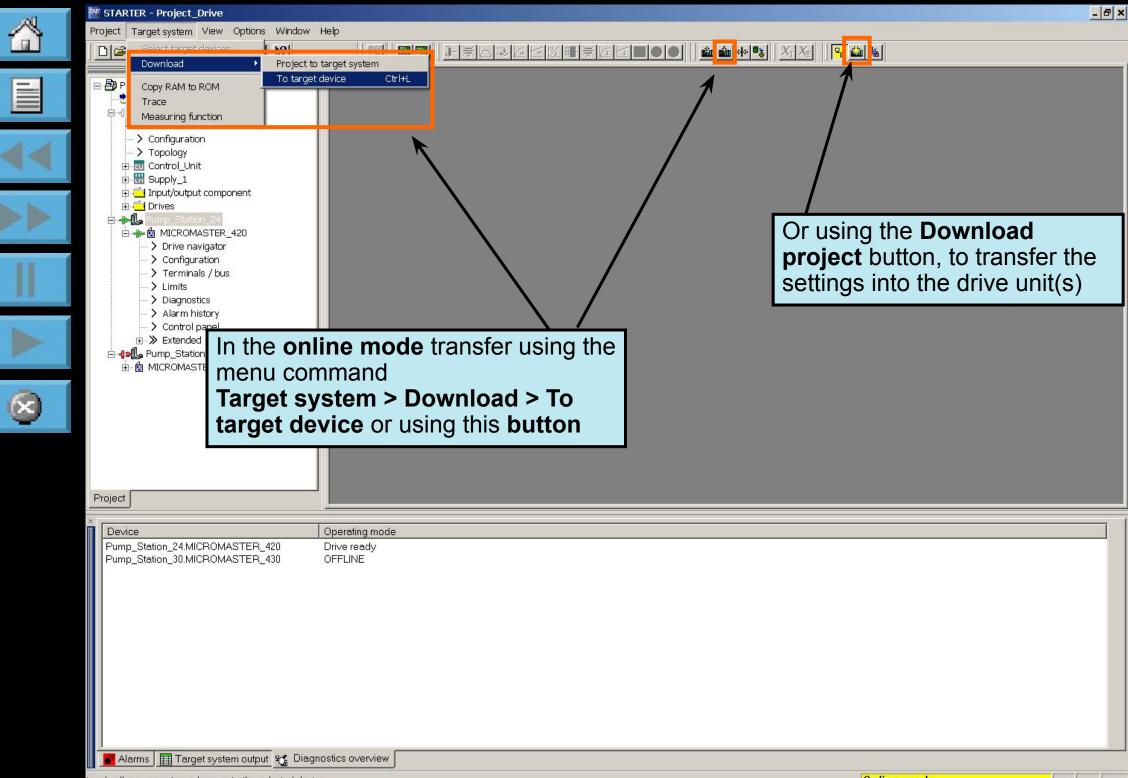
	Project_Drive	2	
	···· > Configura ···· > Topology ⊕ Control_L ⊕ Supply_1 ⊕	ation , Unit	
ļ	⊕	Open HW configuration	
	> Cor > Ter > Lim _ > Diac	Copy Paste Delete	
	> Alar > Con > Exte > Exte    MICROI	Target device expert Properties	•

Select **Copy** from the context menu and insert the **Drive unit** under the project.



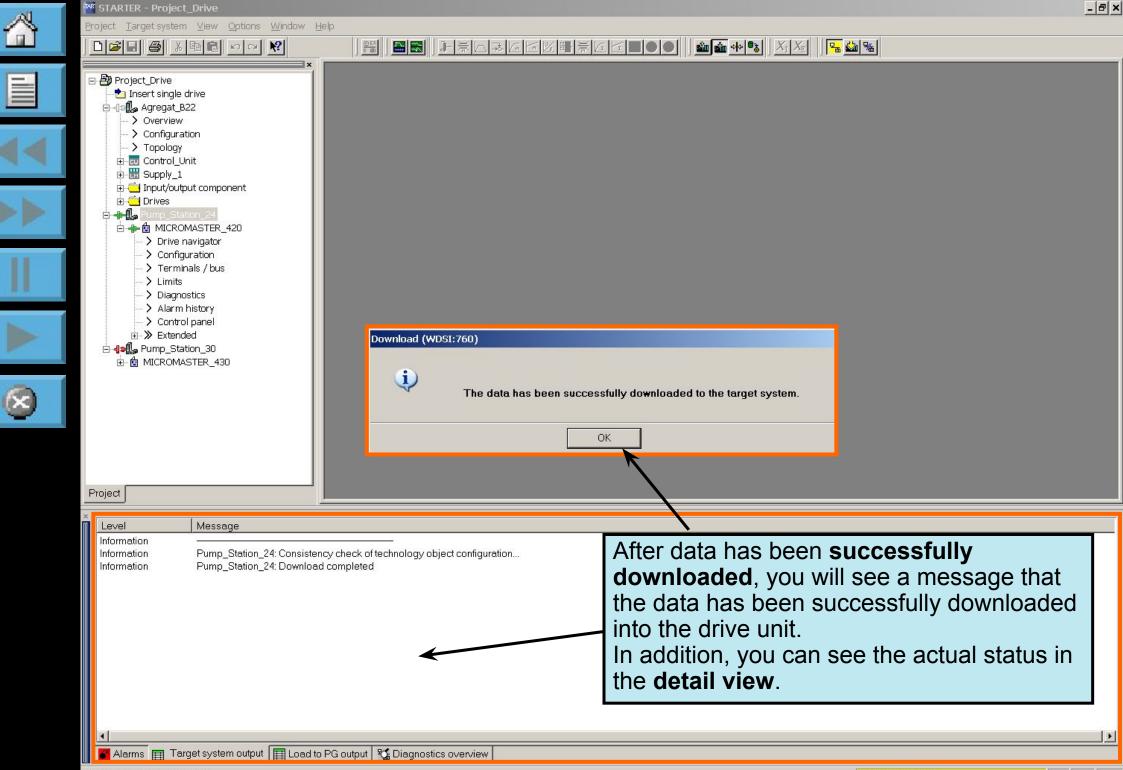
- 8 ×

TART START	TER - Project_Drive			<u>- 8</u>
Project	Target system View Options Window Help			
New		Ctrl+N		
New wi Open	ith wizard	Ctrl+O		
Close	····	Curro		
Save		Ctrl+S		
Save A:	S	CUITS		
	n old project format			
Convert				
	ad to target system			
Propert				
Delete.	n			
Connec	t to target system			
	nect from target system			
	ible nodes accessible nodes into project			
	/PC interface			
1				
Archive	e e from archive			1
			In the <b>online mode</b> , change via <b>Project</b>	
Save ar Import,	nd export		> Connect to target system or using	
			this hutter	
Print	g fields,	Ctrl+P	this <b>button</b> .	
	g reids review			
	setup			
1 Proje	ct_Drive C:\Program Files\Siemens\Step7\S7Proj\Project_			
	Drive_ES_en C:\Program Files\Siemens\Step7\s7proj\Proj_D~	1		
Exit		Alt+F4		
LAIL				
Project [				
	project, connects the project to the target system and displays the	e consistenci	/ status. Offline mode	
			of minter movie	



Loads all components or changes to the selected device.

**Online mode** 



Press F1 to open Help display.

**Online mode** 



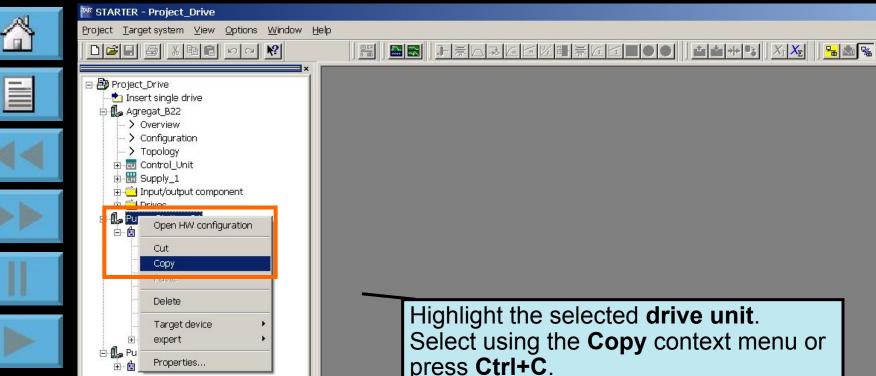
## Copying from drive units (with data) into the project

In the Project Navigator, you can very simply copy drive settings.



To do this, select an existing drive unit in the Project Navigator, copy this and insert the drive unit under the project.





Highlight the selected drive unit. Select using the **Copy** context menu or press **Ctrl+C**.

Project

X

Copies the selected object and places it in the clipboard.



A	
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🗉 🎒 Project_Drive	
Insert sir	Cut
🖻 🗓 Agregat_	Сору
> Overv	Paste
> Confir	
> Topol	Delete
⊞ <mark>cu</mark> Contr	Download to target system
🕀 🛗 Suppl	Save
🕀 📥 Input,	Language-dependent texts
🗄 🔂 Drives	Select target devices
Dr	expert 🕨
-> cc	Print
-> Τε	
> Lir_	Print preview
<b>&gt;</b> Di.	Properties
-> Alar	m nistory
- > Con	trol panel
😟 🗩 Exte	
🖻 🕼 Pump_Stat	
	MASTER_430

Project Target system View Options Window Help

M STARTER - Project\_Drive

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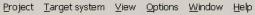
Select the **Project**. Select **Paste** from the context menu **or** insert the **copied drive unit** using this **button** or **Ctrl+V**. Insert single drive
 Agregat\_B22
 Overview
 Configuration
 Topology
 Control\_Unit
 Supply\_1

Pump\_Station\_1

Pump\_station\_2+
 MICROMASTER\_420
 Purive navigator
 Porive navigator

🖃 🎒 Project\_Drive

🗄 ᅼ Input/output component





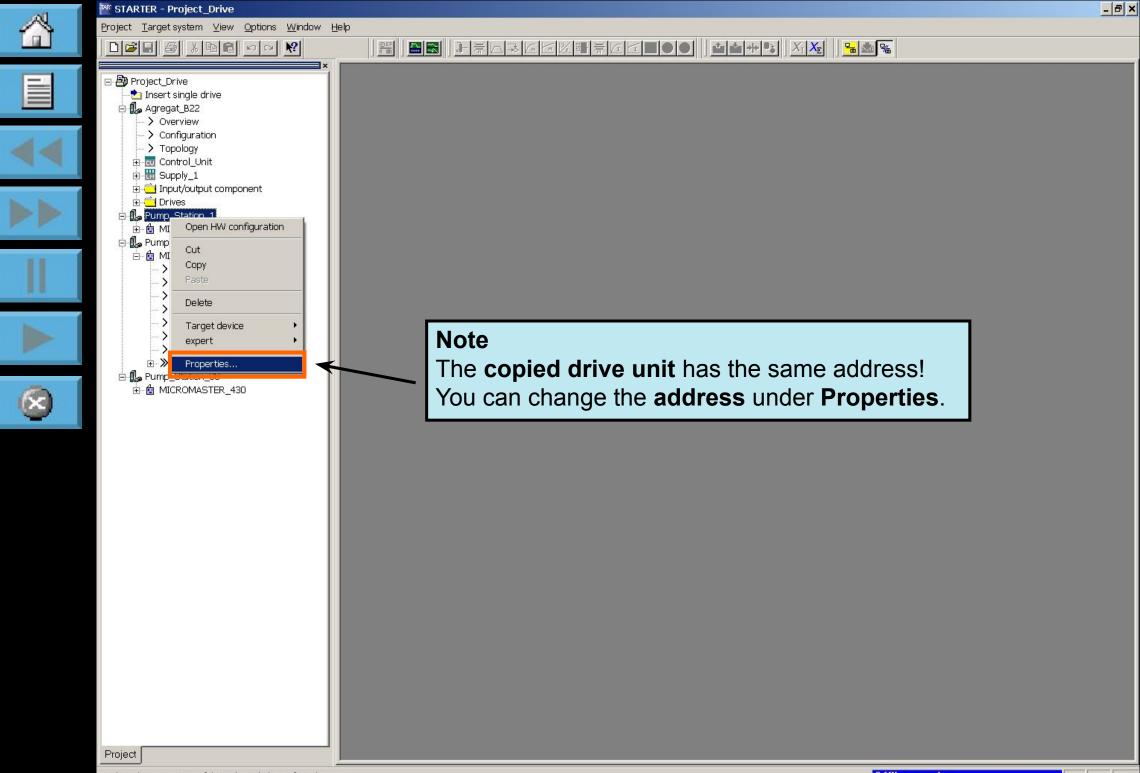








The **copied drive unit** was set-up in the project under a **new name**.





# Copying from drive units (with data) between various projects



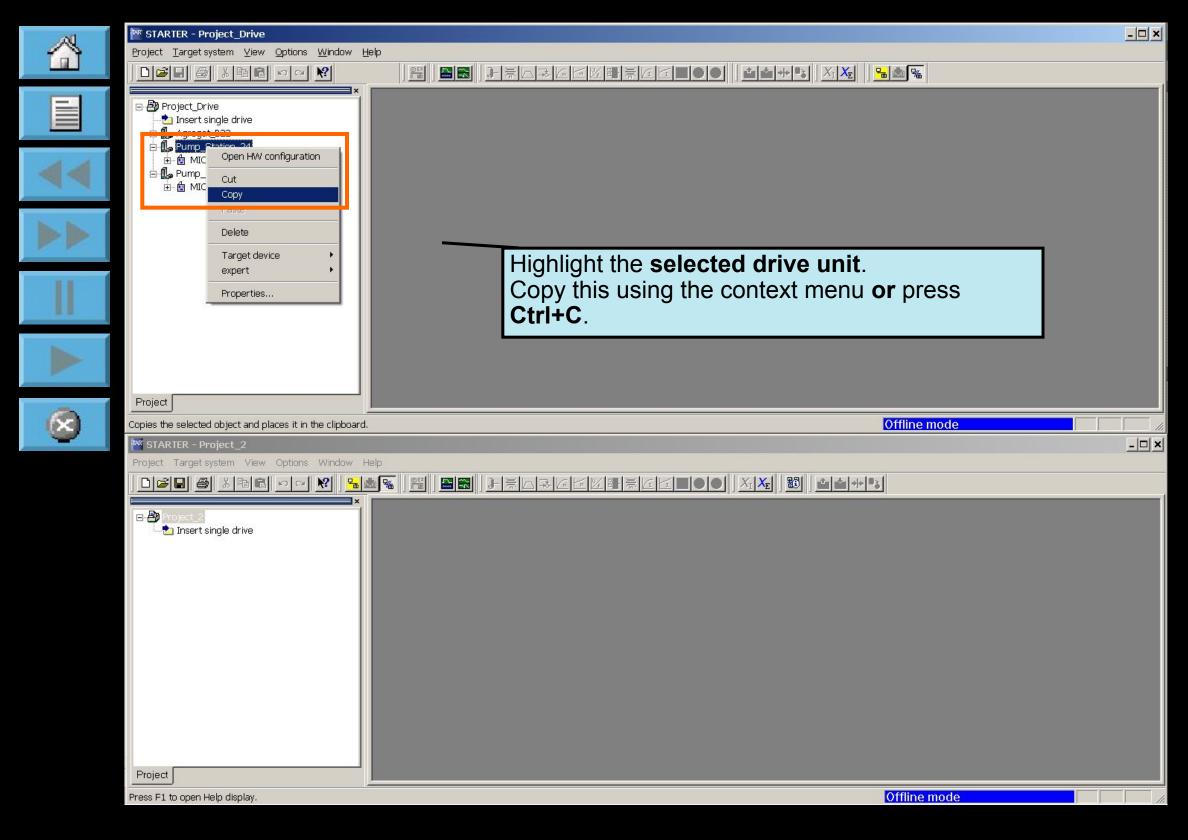
In order to copy between two projects, open STARTER a second time.

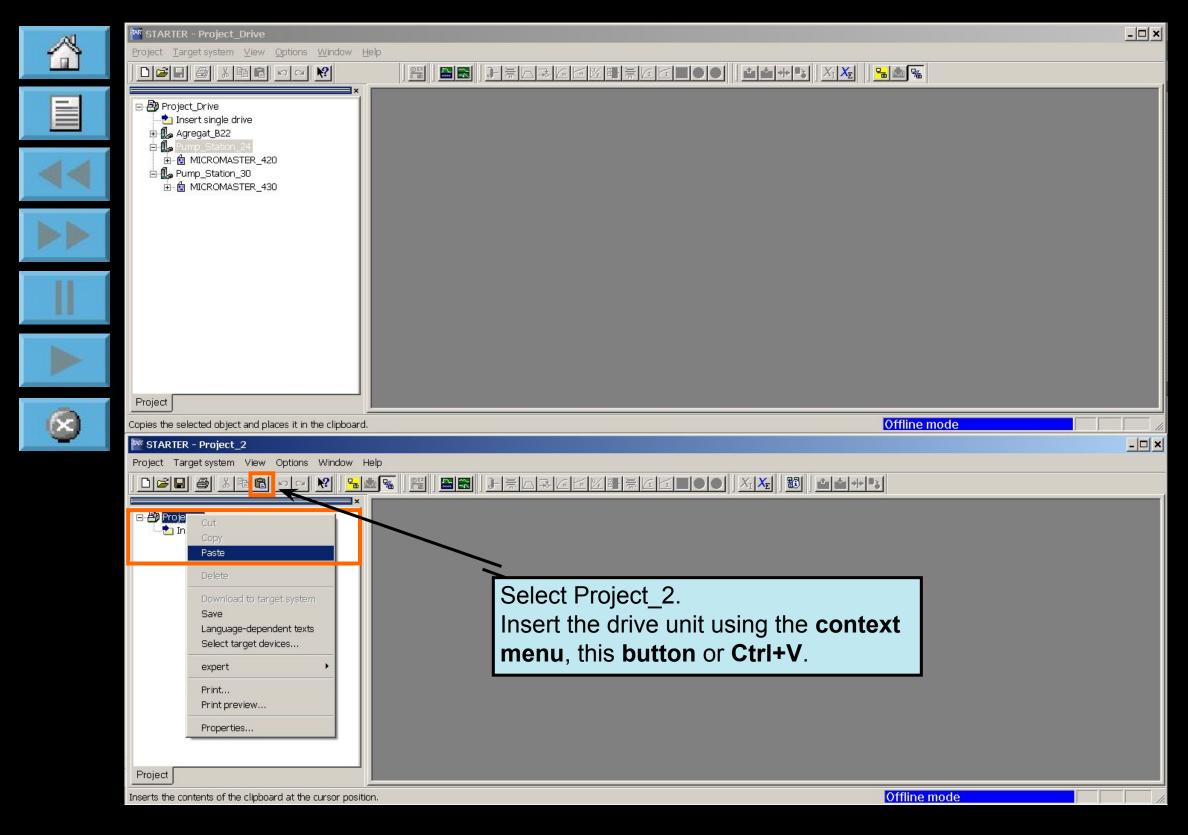


The example shows you how you can copy a drive unit from Project\_Drive to Project\_2.



al	M STARTER - Project_Drive	<u>- 🗆 ×</u>
	Project Target system View Options Window Help	
	Start the <b>STARTER</b> program a second time in order to, e.g. <b>copy</b> a drive unit from Project_Drive to Project_2.	
a l	Project	
<u>ن</u>	Deletes the selected object.           Offline mode                W <sup>a</sup> STARTE R - Project_2	_ 🗆 ×
	Protect Target system View Ontions Window Help	
	Project Target system View Options Window Help	
	Project Target system View Options Window Help Project System View Options Win	





STARTER - Project_Drive			<u>-□×</u>
Project Target system View Options Window He			
Project_Drive  Insert single drive			
E-IL- Agregat B22 E-IL- Pump_Station_24			
Im ICROMASTER_420     Im ICROMASTER_420     Im ICROMASTER_430     Im ICROMASTER_430			
		Pump_station_24 is now	
		located in both projects.	
Project			
Copies the selected object and places it in the clipboard. STARTER - Project_2		Note	
Project Target system View Options Window He	p	The bus address is identical in	<u>-                                    </u>
		both drive units!	
Project 2         Insert single drive         Image: Pump_Station_24         Image: Pump_Station_24 <th></th> <th></th> <th></th>			
Project			
Inserts the contents of the clipboard at the cursor position		Offline mode	

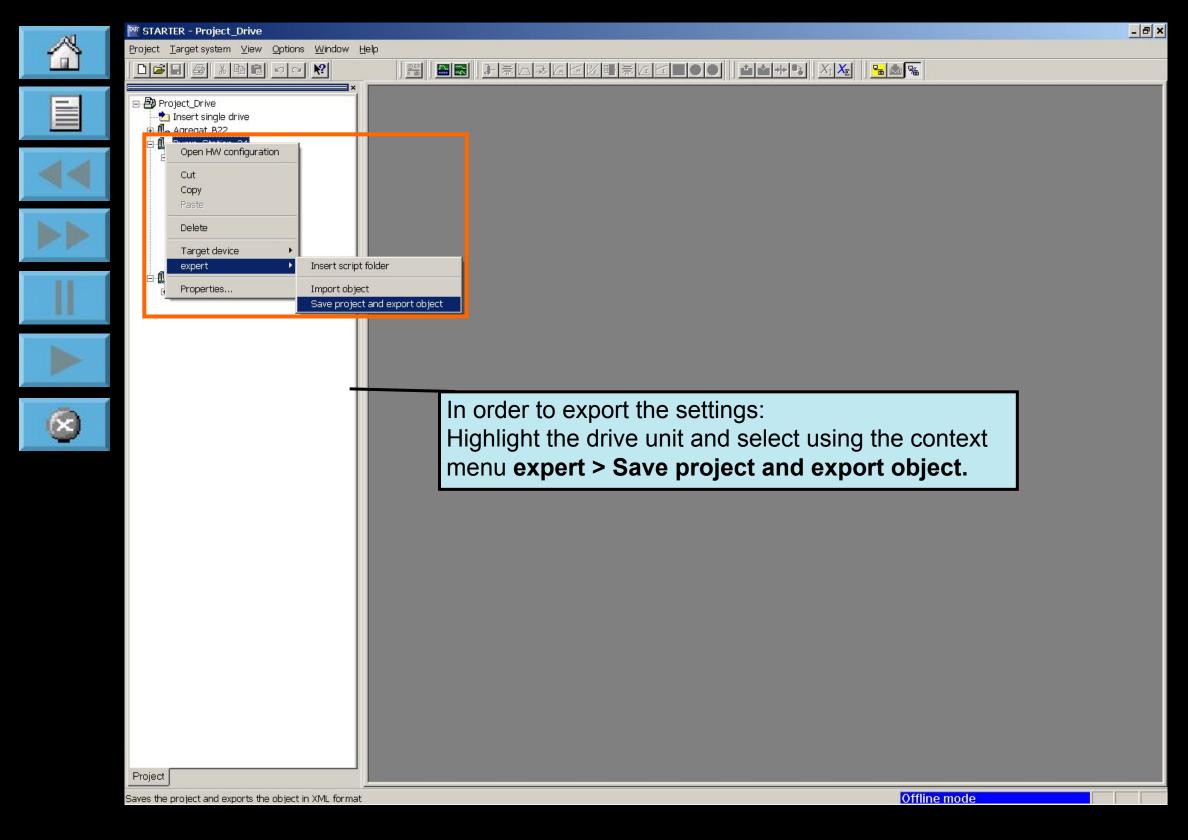


## Copying drive data sets into the project (XML export/import)

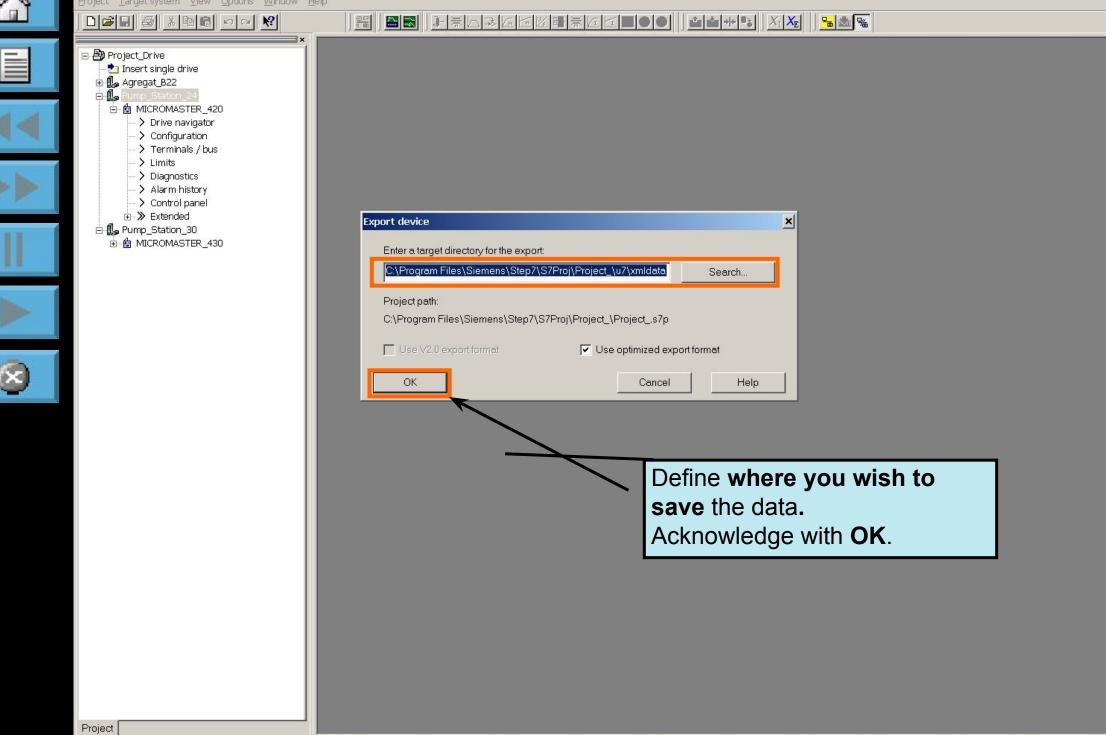


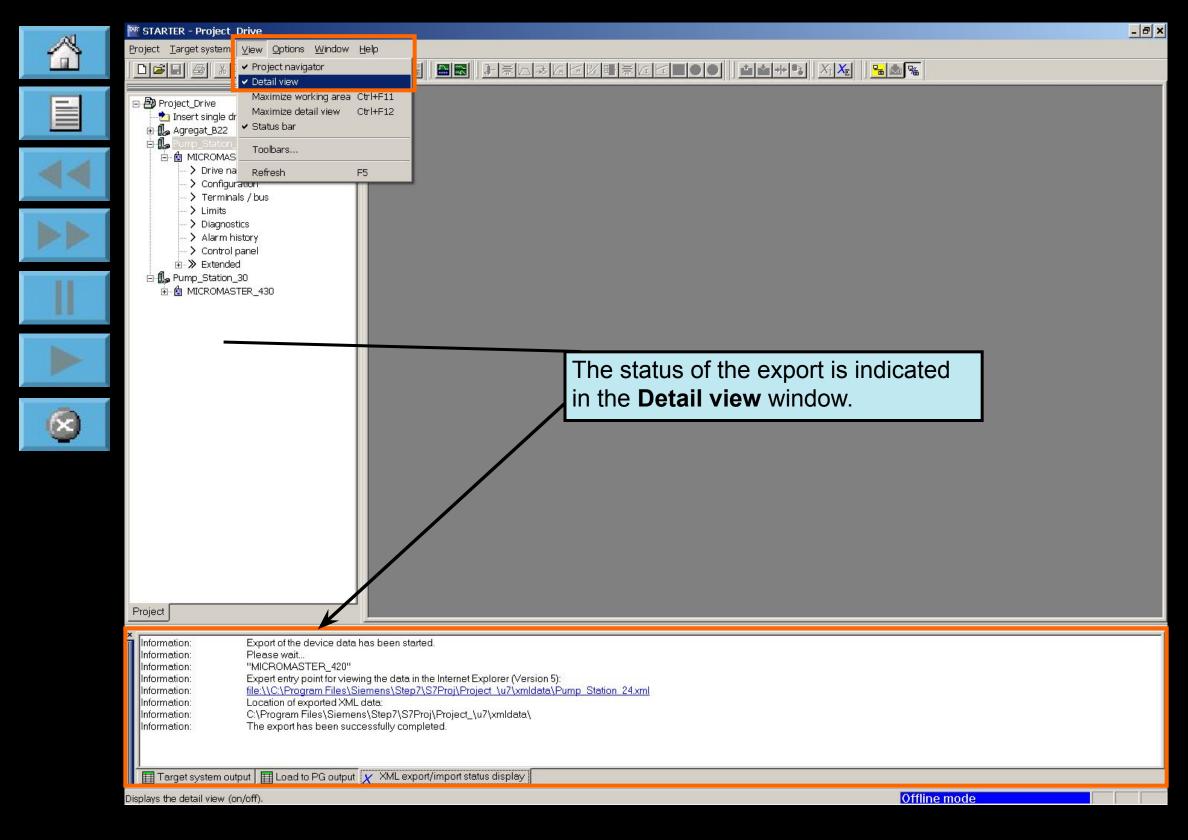
The settings of the Pump\_Station\_24 are exported and saved in the XML format.

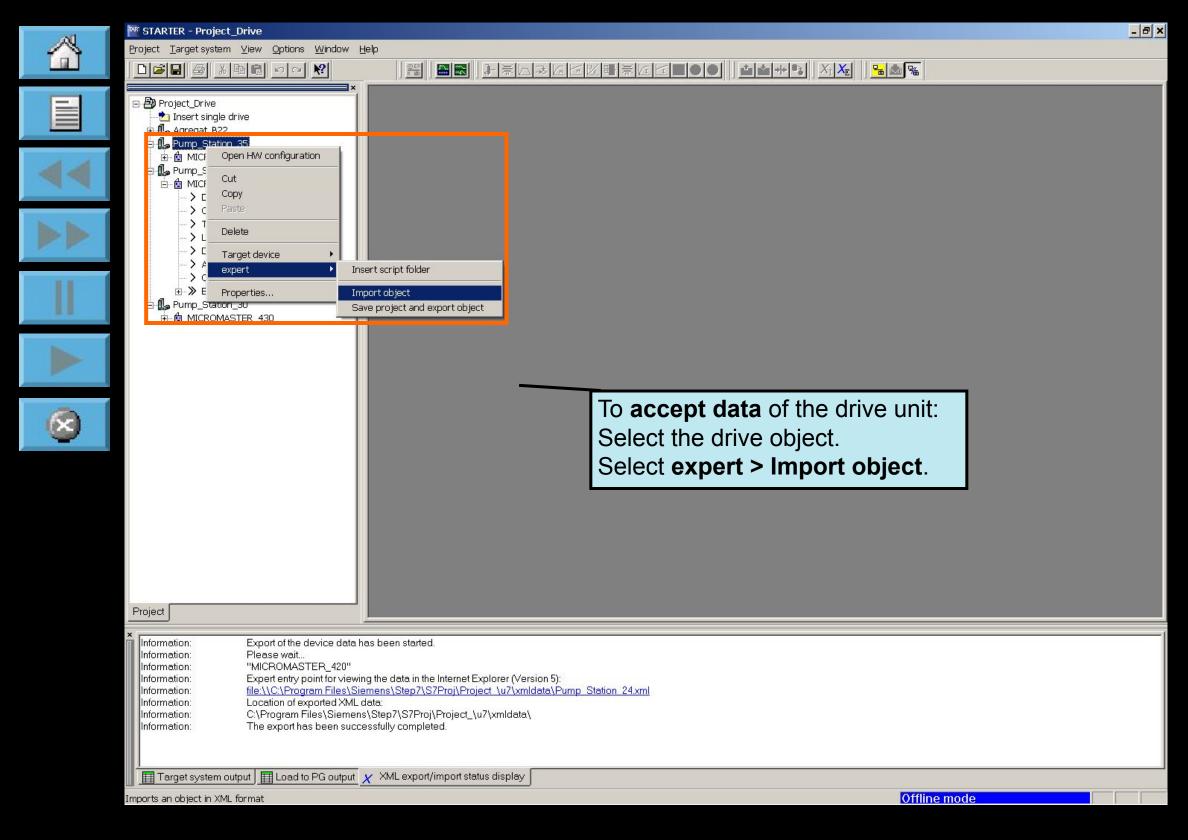




Offline mode







	TARTER - Project_Drive	- N X
5	<u>Project Target system View Options Window H</u> elp	
	Image:	
	Import device     Select the appropriate XML file from:       Source path and source name of the import:     Suchen in: 2 xmldata	
	E     Search       Target path and name of the project file:       C:\Program Files\Siemens\Step7\S7Proj\Project_\Project_s7	
	OK Cancel Help	
	Dateiname:     Pump_Station_24.xml     Öffnen       Dateityp:     XML files (*.xml)     Abbrechen	
	The Import device window opens.	
	With <b>Search</b> , you can define the In the window that opens, highlight	
	source path and the source name of and select the appropriate XML file	
	the drive unit to be imported. with <b>Open</b> .	

Target system output 🔲 Load to PG output 🗶 XML export/import status display

	Project Target system View Options Window Help	- 8
	Project_Drive     Project_Drive     Project_Drive     Agregat_B22     Pump_Station_35	
	MICROMASTER_420      MICROMASTER_420      MICROMASTER_420      MICROMASTER_420      Drive navigator      Configuration	
	Import device       Source path and source name of the import:       Search	
	Target path and name of the project file:         C:\Program Files\Siemens\Step7\S7Proj\Project_\Project_s7         Search	
	OK Cancel Help	
	Then acknowledge the transfer of the drive unit data with <b>OK</b> .	
	Target system output Load to PG output X XML export/import status display	

×

4	Project Target system View Options Window H	elp					
	Project_Drive Insert single drive Agregat_B22 MICROMASTER_420 Pump_Station_24 MICROMASTER_420 > Drive navigator > Configuration > Terminals / bus > Limits > Diagnostics > Alarm history > Control panel >> Extended Pump_Station_30 • MICROMASTER_430		Selective import	Data and variables the selective import into an rties of the object may che ariables will be replaced. hanges cannot be undone this message anymore.	will be replaced existing object the ange. Already existing data		
	Project					observe the text note with <b>OK</b> .	
	Information: Import of the device data has information: Please wait	as been started.					

Target system output 🔛 Load to PG output 🗶 XML export/import status display

Imports an object in XML format

M STARTER - Project\_Drive

- 8 ×

.01	W STARTER - Project_Drive		x
	Project Target system View Options Window Help		
			_
	Project_Drive		
	- 🔁 Insert single drive 🗈 🥼 Agregat_B22		
	E-® MICROMASTER_420		
	□ 🕼 Pump_Station_24 □ - 🙆 MICROMASTER_420		
2.2	> Drive navigator		
	> Configuration > Terminals / bus		
	> Limits > Diagnostics		
	> Alarm history > Control panel		
11	B MICROMASTER_430		
		You can see that the drive data was	
$\mathbf{v}$		successfully transferred in the <b>Detail</b>	
		view.	
		Note	
		The data (XML file) can be copied to	
		additional drive units (imported).	
	Project		
	Information: Import of the device data has	peen started.	
	Information: Please wait Information: "Pump_Station_35"		
	Information: "Pump_Station_35" "MICRON Information: The import has been success	ASTER_420'' fully completed.	

Target system output ] 🖽 Load to PG output  $\chi$  XML export/import status display [

Imports an object in XML format

Offline mode















### Project \_Drive Project \_\_Iarget system \_\_View \_\_Options

New with wizard

Save in old project format

Download to target system

Open ... Close

Save As...

Convert

Properties... Delete...

roject	<u>T</u> arget system	⊻iew	Options	<u>W</u> indow	Help
New					

### ãla⊋le K≣≣le E∎oo **|114+**°, X<mark>X</mark> |<mark>°</mark>ame













Connect to target system Disconnect from target system Accessible nodes Insert accessible nodes into project Set PG/PC interface...

### Archive...

Retrieve from archive

Save and export	
Import	
Print	Ctrl+P
Labeling fields	
Print preview	
Printer setup	

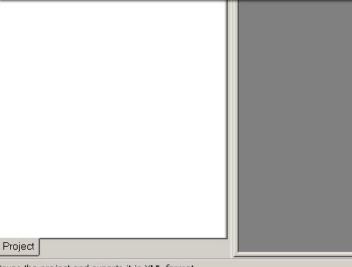
1 Project\_Drive -- C:\Program Files\Siemens\Step7\S7Proj\Project\_ 2 Proj\_Drive\_ES\_en -- C:\Program Files\Siemens\Step7\s7proj\Proj\_D~1

Exit

Alt+F4

Ctrl+N

Ctrl+O



Select the project export function using **Project > Save and export or** directly using this **button**.

- 21	🚧 STARTER - Project_Drive			
	Project <u>T</u> arget system ⊻iew Options <u>W</u> indow <u>H</u> elp			
••				
	→ > Limits     → > Diagnostics     → > Alarm history     → Control panel     H → ≫ Extended			
	□ ① Pump_Station_30 □ ① MICROMASTER_430 □ ① Pump_Station_35 □ ① MICROMASTER_420			
	The <b>project</b> with all of the associated drive units was <b>exported</b> .			
$\bigotimes$				
	Project			
	Information:       Export of the project data has been started.         Information:       Please wait         Information:       "Agregat_B22" "Supply_1"         Information:       "Agregat_B22" "Input_output_component_1"         Information:       "Agregat_B22" "Onve_2"         Information:       "Agregat_B22" "Input_output_component_1"         Information:       "Agregat_B22" "Onve_2"         Information:       "Pump_Station_24"         Information:       "Pump_Station_30"         Information:       "Pump_Station_30" "MICROMASTER_420"         Information:       "Pump_Station_35"         Information:       "Pump_Station_35"         Information:       "Pump_Station_35"         Information:       Expert entry point for viewing the data in the Internet Explorer (Version 5):         Informati			

XML export/import status display

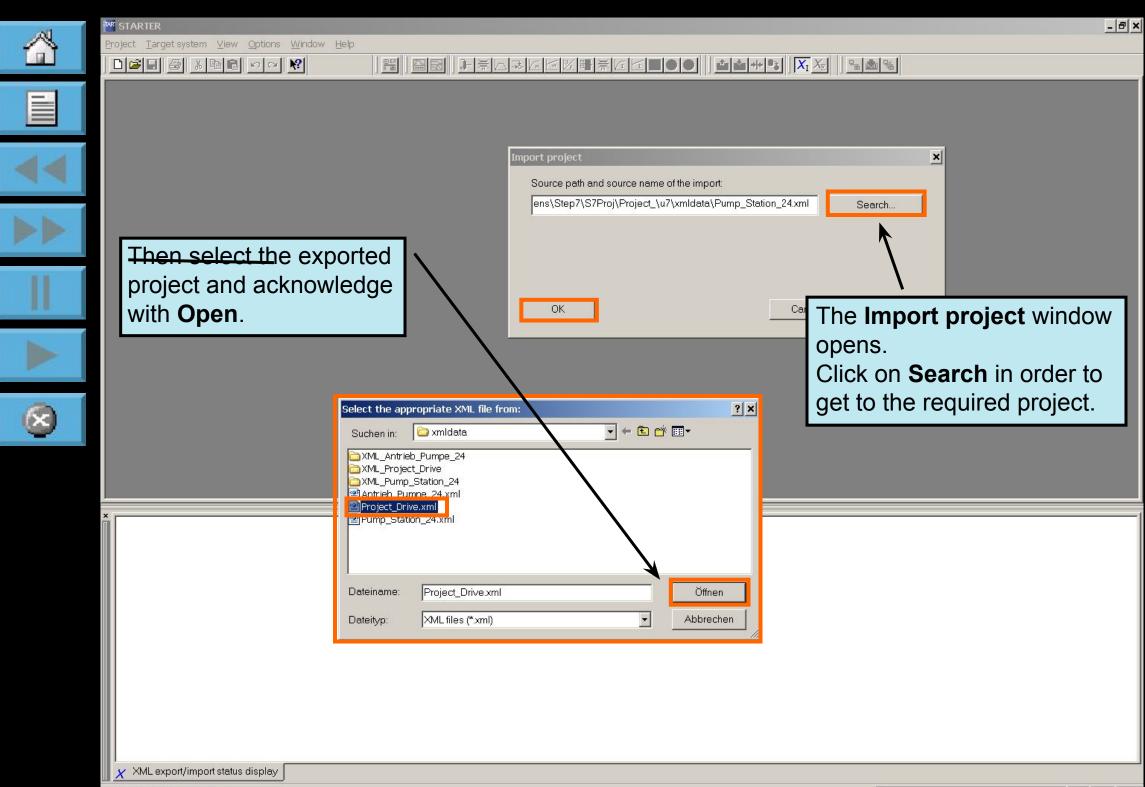


M STARTER

If a project is not opened then you can **import** the saved project using this button or the Menu **Project > Import**.







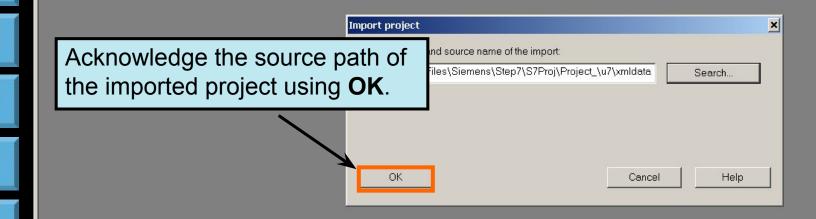
Project Target system View Options Window Help

TAR STARTER

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Now define the **new name** and **where** the project **is to be saved**.

mport project		×
Projektname:		
Projektverzeichnis:		
C:\Program Files\Siemens\Step7\s7p	proj\	Search
ОК	Cancel	Help

🗶 XML export/import status display

Press F1 to open Help display.

01	Mill STARTER - Project_Drive_Two			
	Project Target system View Options Window Help			
			<mark>*a</mark> ∭ %	
	Project_Drive_Two Insert single drive Agregat_B22 Pump_Station_24			
	B D Pump_Station_24 B D Pump_Station_30 B D Pump_Station_35			
		The <b>new project with the drive</b> <b>units</b> was saved under a <b>new</b>		
$\otimes$		name.		
	Project			
	Information: Import of the project data has been Information: Please wait Information: "Agregat_B22" Information: "Agregat_B22" "Drive_1" Information: "Agregat_B22" "Drive_1" Information: "Agregat_B22" "Drive_2" Information: "Agregat_B22" "Drive_2" Information: "Agregat_B22" "Control_Unit" Information: "Pump_Station_24" Information: "Pump_Station_24" Information: "Pump_Station_30" Information: "Pump_Station_30" Information: "Pump_Station_35" Information: "Pump_Station_35" Information: "Pump_Station_35" Information: The import has been successfully	iponent_1" FER_420" FER_430" FER_420"		
	XML export/import status display			
	Press F1 to open Help display.		Offline mode	