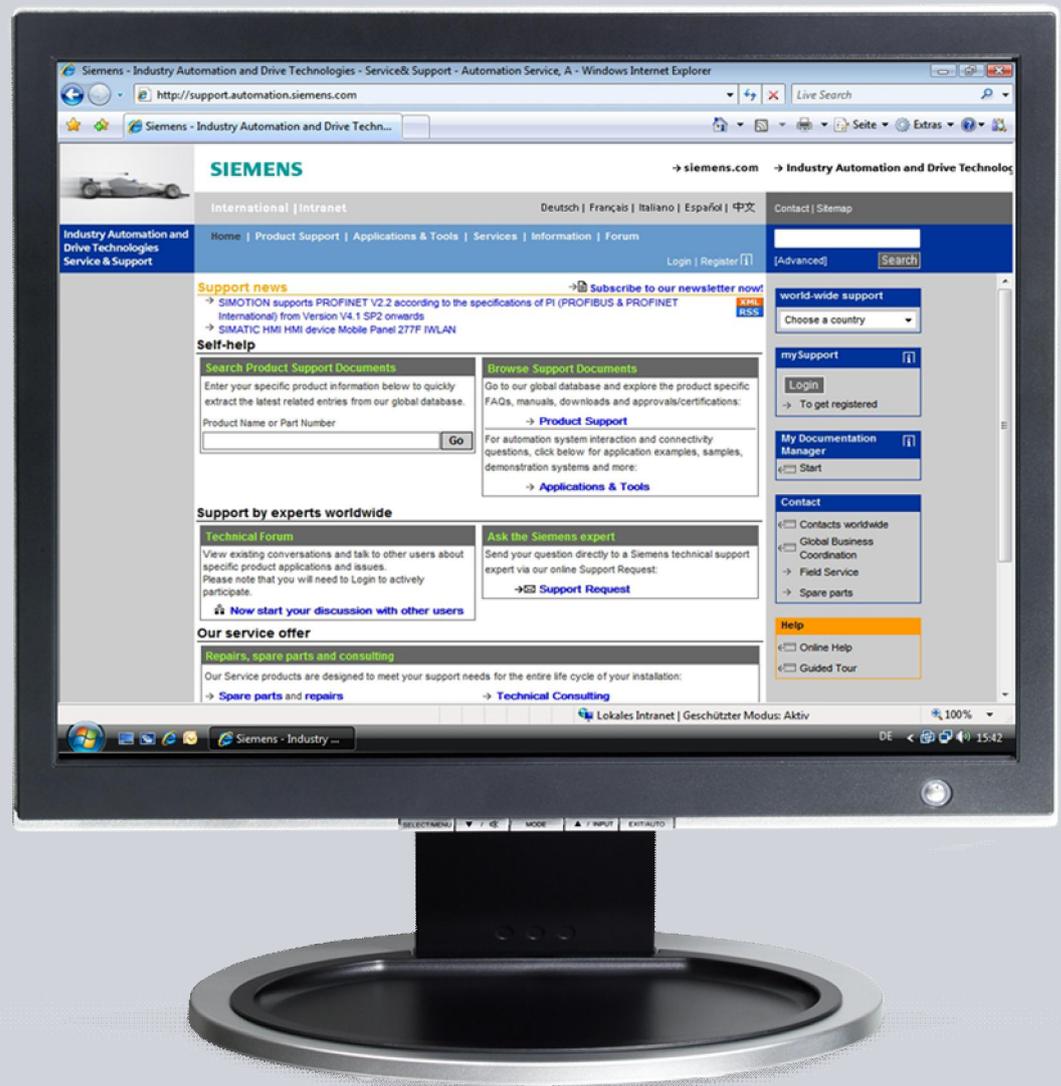


How do you migrate a project integrated in STEP 7 from WinCC flexible to WinCC (TIA Portal)?

WinCC (TIA Portal)

FAQ • August 2013



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Question

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Question

How do you migrate a project integrated in STEP 7 from WinCC flexible to WinCC (TIA Portal)?

Task

Your customer has an MP 277 Touch configuration integrated in STEP 7. For a subsequent plant/machine **only** the MP 277 Touch configuration described is to be migrated to WinCC (TIA Portal) and replaced by a Comfort Panel.

Description

A description is given in the example of the separate steps for migrating the multipanel to WinCC (TIA Portal). This is followed by a description of how to change the MP 277 Touch into a Comfort Panel.

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1 General Information

1.1 Migrating a WinCC flexible Project Integrated in STEP 7

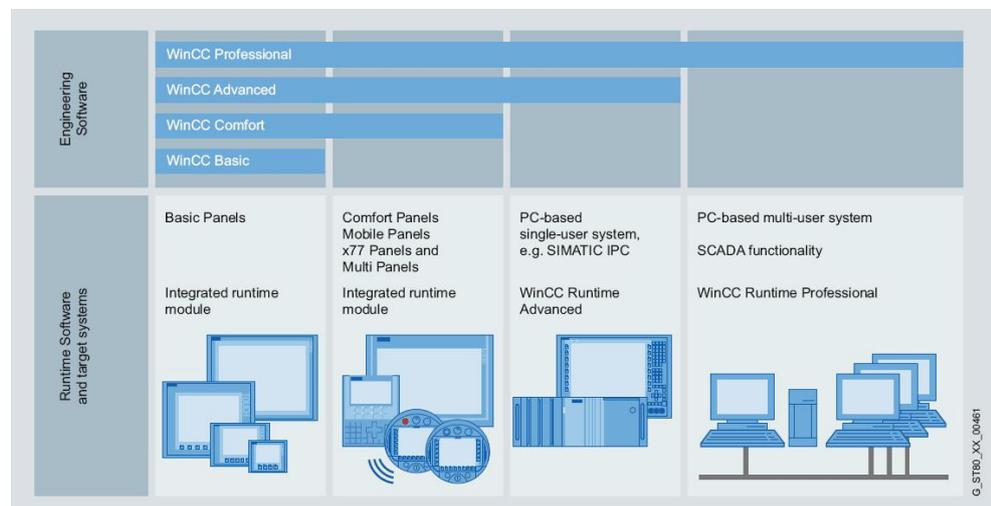
If you have a STEP 7 project in which a project created with WinCC flexible 2008 SP2 is integrated, then you can migrate this configuration directly to WinCC (TIA Portal).

This entry shows one option for migrating **only** the WinCC flexible project to WinCC (TIA Portal).

1.2 WinCC (TIA Portal) Versions

The version of WinCC (TIA Portal) you need depends on the operator panel used. The following table gives an overview.

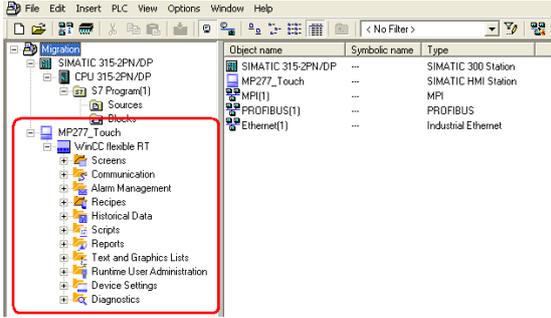
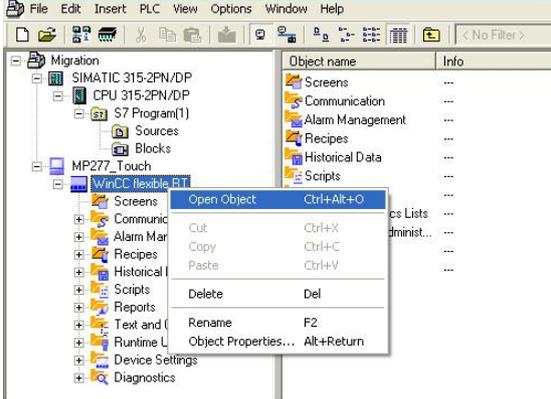
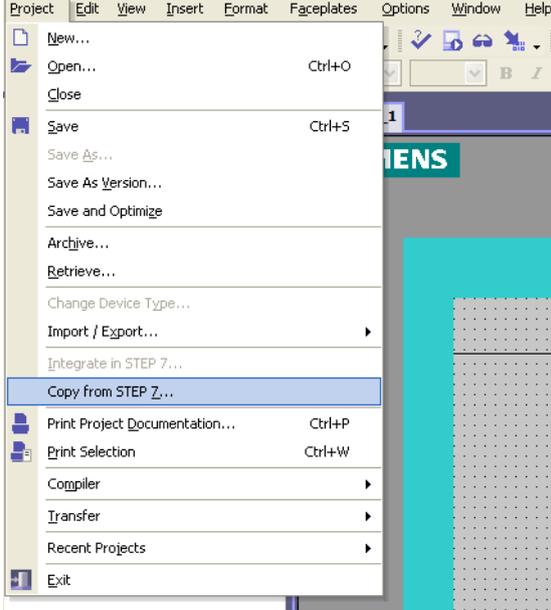
Figure 1-1

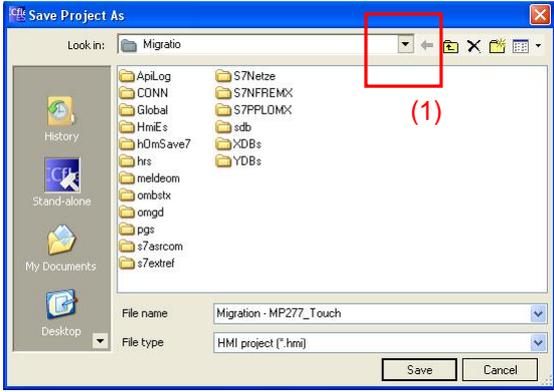


2 Copying an Integrated HMI Project from STEP 7

Instructions

Table 2-1

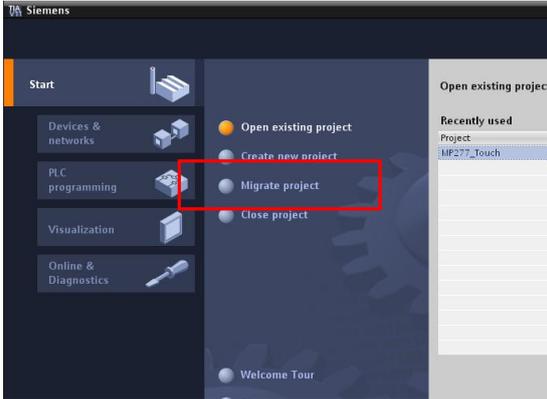
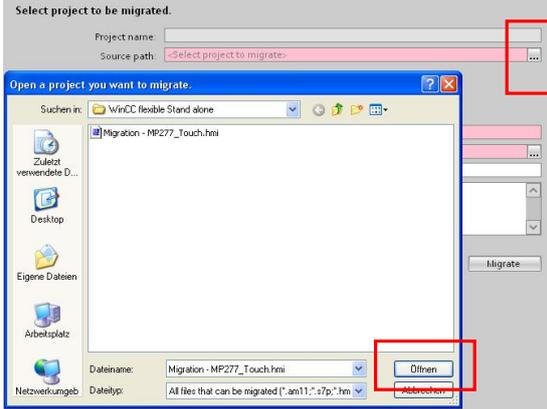
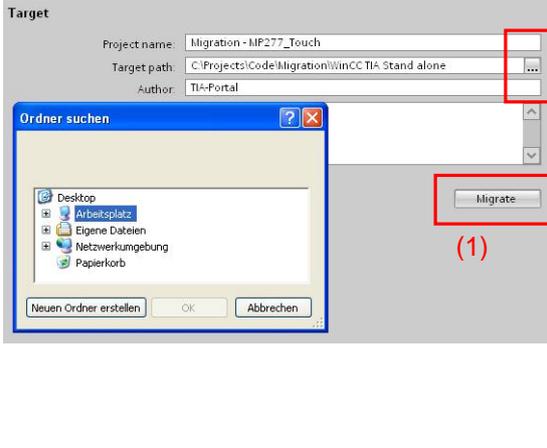
No.	Action	Screens
1.	<p>View of the integrated HMI project</p> <p>The adjacent screen shows the view of a STEP 7 project in which an MP277 Touch is integrated.</p>	
2.	<p>Open the WinCC flexible project</p> <p>Right-click the WinCC flexible station and select "Open Object" in the pop-up menu that opens.</p> <p>The WinCC flexible project opens.</p>	
3.	<p>Copy a project from STEP 7</p> <p>Select the menu command "Project > Copy from STEP 7...".</p> <p>The "Save Project As" dialog box opens.</p>	

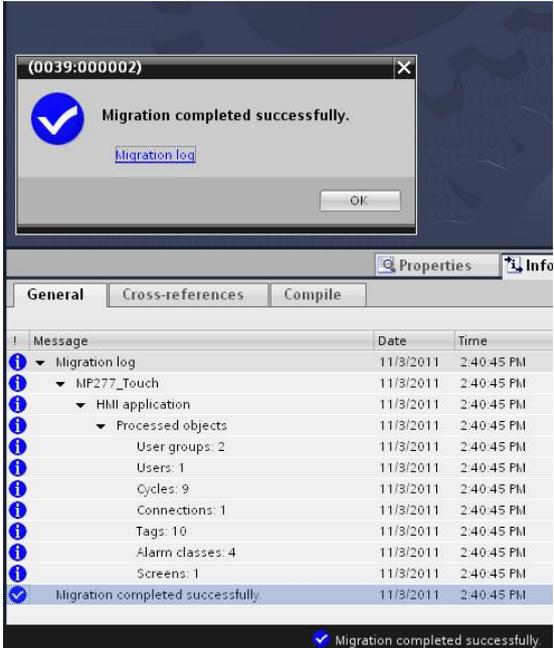
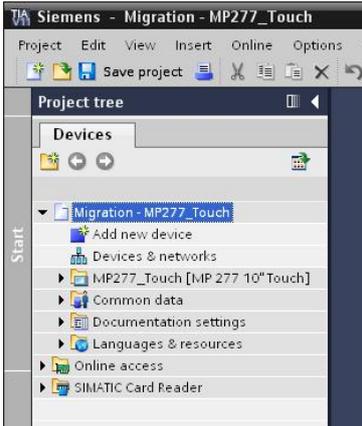
No.	Action	Screens
<p>4.</p> <p>"Save Project As" pop-up menu</p> <p>By default the "Save Project As" pop-up menu displays the folder view of the STEP 7 project from which you wish to copy the HMI project.</p> <p>Look in: You can save the HMI project directly in the folder structure of the current STEP 7 project. However, it is recommended to create a separate folder in which you store the HMI project. You can select a path and folder in the drop-down list box (1).</p> <p>File name You can either apply the preset file name or give the project a new name.</p> <p>After making the appropriate settings you save the configuration by clicking the "Save" button.</p> <p>The HMI project is saved and this completes the "Copy from STEP 7" procedure. You can close WinCC flexible and STEP 7 again.</p>		
<p>5.</p> <p>Additional information</p> <p>After you have executed the "Copy from STEP 7..." function, the HMI configuration is still in the STEP 7 project. Only a "copy" of the HMI configuration is made. For this reason it is better to save the copied HMI project in a separate folder. To remove it from the STEP 7 project you must delete the HMI project from the STEP 7 Manager.</p>		

3 Migrating an HMI Project to WinCC Comfort

Instructions

Table 3-1

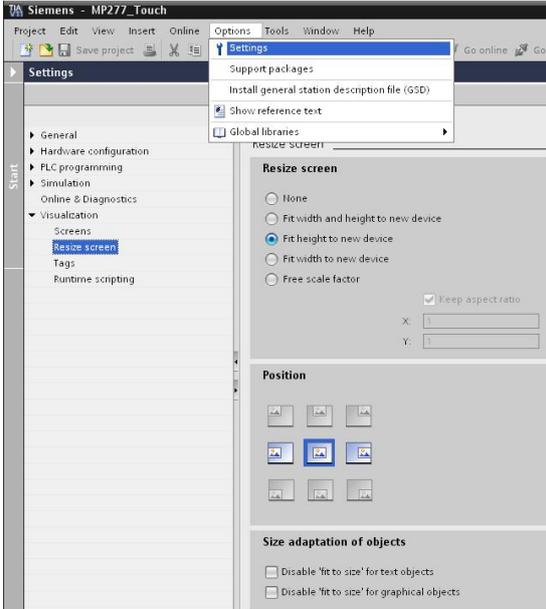
No.	Action	Screens
6.	<p>Portal view, migrate project</p> <p>When the "WinCC (TIA Portal)" is opened, the "Portal view" is displayed first of all.</p> <p>Here you choose the "Migrate project" item.</p>	
7.	<p>Migrate project, specify source path</p> <p>After selecting the "Migrate project" item you can specify the "Source path" in which the HMI project to be migrated is located.</p> <p>Mark the HMI project and click the "Open" button.</p>	
	<p>Migrate project, specify target</p> <p>After specifying the "Source path" you select the "Target path".</p> <p>You can accept or change the "Project name".</p> <p>Then click the "Migrate" button (1).</p> <p>Migration is started.</p> <p>Note You cannot migrate the HMI project directly into a WinCC (TIA Portal) project.</p>	

No.	Action	Screens																																							
8.	<p>Final message</p> <p>A message informs you when the migration has been completed. During the procedure, the progress of the migration is displayed accordingly.</p> <p>Click the "OK" button to acknowledge the message.</p>	 <p>The screenshot shows a dialog box titled '(0039:000002)' with a blue checkmark icon and the text 'Migration completed successfully.' Below the text is a link for 'Migration log' and an 'OK' button. Below the dialog box is a 'Properties' window with tabs for 'General', 'Cross-references', and 'Compile'. The 'General' tab is active, showing a table of migration logs.</p> <table border="1" data-bbox="815 629 1369 913"> <thead> <tr> <th>Message</th> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>Migration log</td> <td>11/3/2011</td> <td>2:40:45 PM</td> </tr> <tr> <td>MP277_Touch</td> <td>11/3/2011</td> <td>2:40:45 PM</td> </tr> <tr> <td>HMI application</td> <td>11/3/2011</td> <td>2:40:45 PM</td> </tr> <tr> <td>Processed objects</td> <td>11/3/2011</td> <td>2:40:45 PM</td> </tr> <tr> <td> User groups: 2</td> <td>11/3/2011</td> <td>2:40:45 PM</td> </tr> <tr> <td> Users: 1</td> <td>11/3/2011</td> <td>2:40:45 PM</td> </tr> <tr> <td> Cycles: 9</td> <td>11/3/2011</td> <td>2:40:45 PM</td> </tr> <tr> <td> Connections: 1</td> <td>11/3/2011</td> <td>2:40:45 PM</td> </tr> <tr> <td> Tags: 10</td> <td>11/3/2011</td> <td>2:40:45 PM</td> </tr> <tr> <td> Alarm classes: 4</td> <td>11/3/2011</td> <td>2:40:45 PM</td> </tr> <tr> <td> Screens: 1</td> <td>11/3/2011</td> <td>2:40:45 PM</td> </tr> <tr> <td>Migration completed successfully.</td> <td>11/3/2011</td> <td>2:40:45 PM</td> </tr> </tbody> </table>	Message	Date	Time	Migration log	11/3/2011	2:40:45 PM	MP277_Touch	11/3/2011	2:40:45 PM	HMI application	11/3/2011	2:40:45 PM	Processed objects	11/3/2011	2:40:45 PM	User groups: 2	11/3/2011	2:40:45 PM	Users: 1	11/3/2011	2:40:45 PM	Cycles: 9	11/3/2011	2:40:45 PM	Connections: 1	11/3/2011	2:40:45 PM	Tags: 10	11/3/2011	2:40:45 PM	Alarm classes: 4	11/3/2011	2:40:45 PM	Screens: 1	11/3/2011	2:40:45 PM	Migration completed successfully.	11/3/2011	2:40:45 PM
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9.	<p>View of the migrated HMI project</p> <p>The adjacent screen shows the migrated HMI project in the project navigation.</p>	 <p>The screenshot shows the Siemens project navigation window titled 'Siemens - Migration - MP277_Touch'. The 'Project tree' is expanded to show the 'Migration - MP277_Touch' folder, which contains sub-items: 'Add new device', 'Devices & networks', 'MP277_Touch [MP 277 10" Touch]', 'Common data', 'Documentation settings', 'Languages & resources', 'Online access', and 'SIMATIC Card Reader'.</p>																																							

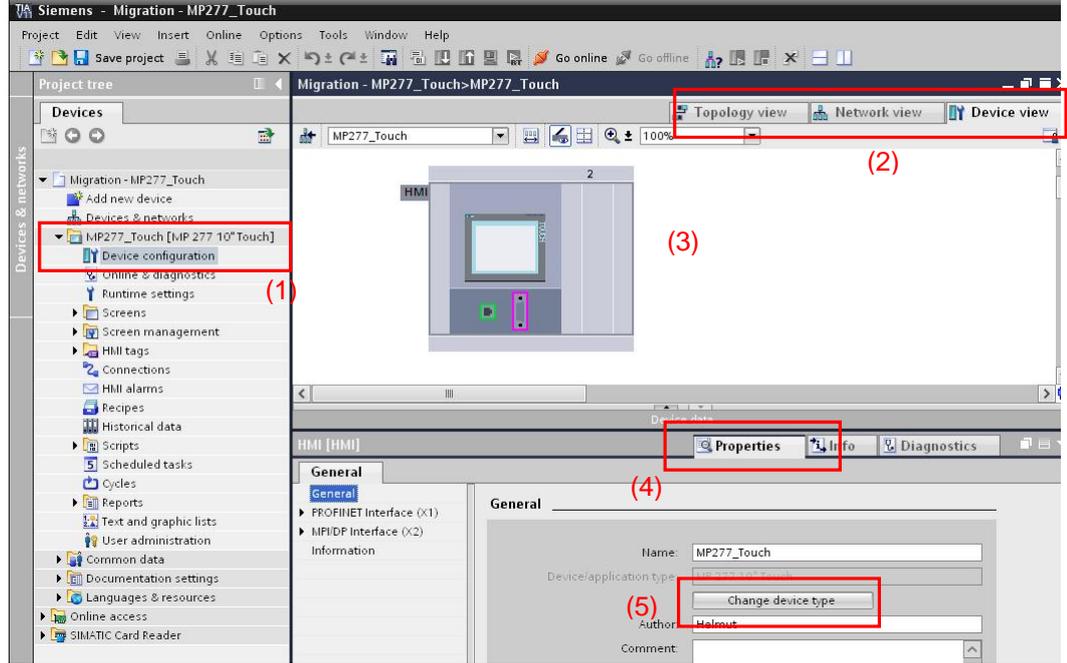
4 Changing the Operator Panel to a Comfort Panel

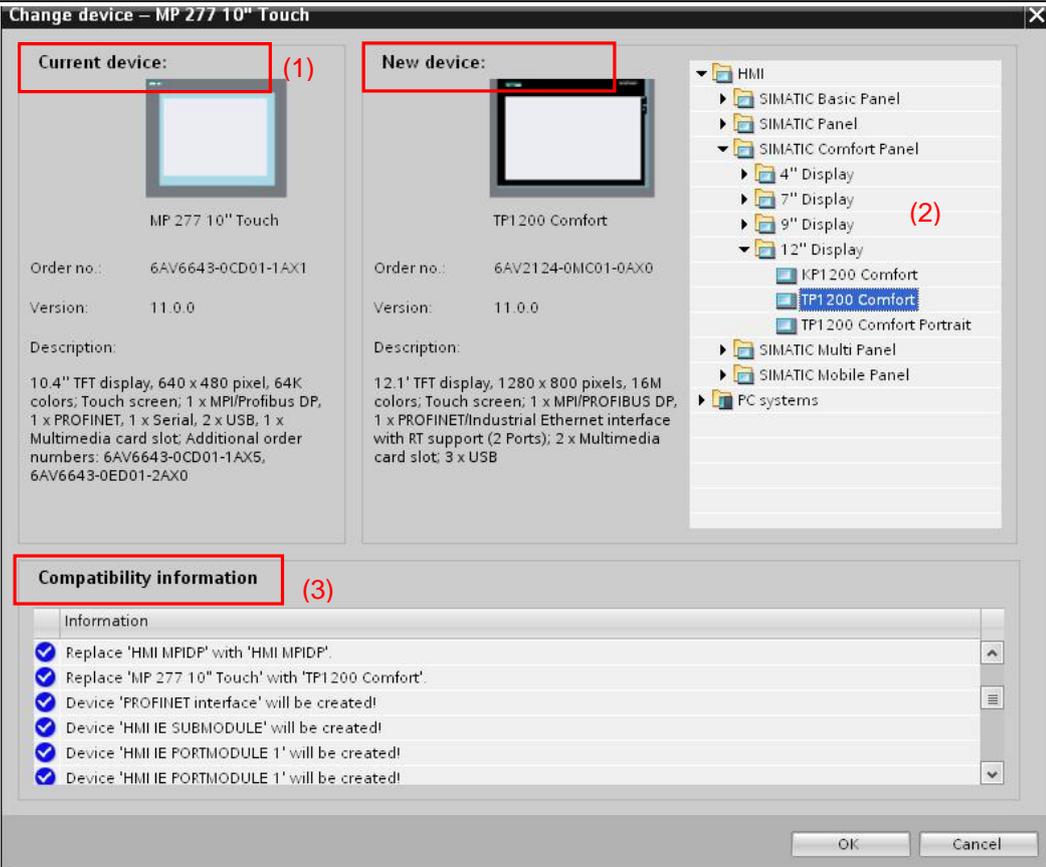
Instructions

Table 4-1

No.	Action	Screens
1.	<p>Preparatory measures, settings</p> <p>Go to "Options > Settings > Visualization > Resize screen" to specify the properties of the screens.</p> <p>In this example, because of the change to wide-screen format, we select the setting</p> <ul style="list-style-type: none"> • Fit height to new device • Centered position <p>Information on the separate items is available in the Online Help. Keyword: "Resize objects".</p> <p>Furthermore, examples of the effect of the settings are shown in the manual "Migration Guide for Comfort Panels", in the section entitled "Change Screen from 4:3 to Wide Screen". You can download the manual at this link: 49752044.</p>	 <p>The screenshot shows the Siemens TIA Portal interface. The 'Settings' menu is open, and the path 'Options > Settings > Visualization > Resize screen' is highlighted. The 'Resize screen' dialog box is displayed, showing the following options:</p> <ul style="list-style-type: none"> Resize screen: <ul style="list-style-type: none"> <input type="radio"/> None <input type="radio"/> Fit width and height to new device <input checked="" type="radio"/> Fit height to new device <input type="radio"/> Fit width to new device <input type="radio"/> Free scale factor <input checked="" type="checkbox"/> Keep aspect ratio Position: <ul style="list-style-type: none"> <input type="radio"/> Top-left <input type="radio"/> Top <input type="radio"/> Top-right <input checked="" type="radio"/> Centered <input type="radio"/> Bottom <input type="radio"/> Bottom-left <input type="radio"/> Bottom-right Size adaptation of objects: <ul style="list-style-type: none"> <input type="checkbox"/> Disable 'fit to size' for text objects <input type="checkbox"/> Disable 'fit to size' for graphical objects

4 Changing the Operator Panel to a Comfort Panel

No.	Action	Screens
2.	<p>Change device type</p> <ul style="list-style-type: none">• In the project navigation you double-click to open the device configuration of the HMI operator panel (1).• Click one of the three buttons (2).<ul style="list-style-type: none">- Topology view- Network view- Device view• Mark the HMI object (3).• Select the "Properties" tab (4).• Under "General" is the "Change device type" button (5). <p>Click the "Change device type" button. The "Change device" dialog opens.</p>	
		

No.	Action	Screens
3.	<p>Change device dialog</p> <ul style="list-style-type: none"> • Current device: (1) In this area you find a description of the current operator panel. • New device: (2) In the drop-down list box you select an HMI operator panel or PC system. • Compatibility information (3) This field displays the compatibility information about the newly selected operator panel. <p>Once you have selected the HMI operator panel, click the "OK" button to confirm your selection. The change procedure starts.</p> <p>In this example TP1200 Comfort has been selected.</p>	
		 <p>The screenshot shows the 'Change device' dialog box with the following details:</p> <ul style="list-style-type: none"> Current device (1): MP 277 10" Touch, Order no.: 6AV6643-0CD01-1AX1, Version: 11.0.0. Description: 10.4" TFT display, 640 x 480 pixel, 64K colors; Touch screen; 1 x MPI/Profibus DP, 1 x PROFINET, 1 x Serial, 2 x USB, 1 x Multimedia card slot; Additional order numbers: 6AV6643-0CD01-1AX5, 6AV6643-0ED01-2AX0. New device (2): TP1200 Comfort, Order no.: 6AV2124-0MC01-0AX0, Version: 11.0.0. Description: 12.1" TFT display, 1280 x 800 pixels, 16M colors; Touch screen; 1 x MPI/PROFIBUS DP, 1 x PROFINET/Industrial Ethernet interface with RT support (2 Ports); 2 x Multimedia card slot; 3 x USB. Compatibility information (3): <ul style="list-style-type: none"> Replace 'HMI MPIDP' with 'HMI MPIDP'. Replace 'MP 277 10" Touch' with 'TP1200 Comfort'. Device 'PROFINET interface' will be created! Device 'HMI IE SUBMODULE' will be created! Device 'HMI IE PORTMODULE 1' will be created! Device 'HMI IE PORTMODULE 1' will be created!

4 Changing the Operator Panel to a Comfort Panel

No.	Action	Screens
4.	<p>Change name</p> <p>Change the name of the HMI operator panel to avoid mix ups.</p> <p>For this, in the project navigation you right-click the name of the HMI operator panel.</p> <p>A pop-up menu opens. Here you choose the "Rename" item.</p> <p>This completes the device change procedure.</p>	