

# Premium HMI Changelog

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## Introduction

This document contains the detailed Release Notes for Premium HMI, all versions. The document is only available in English language.

Version	Description	Date
1	First emission, aligned to PHMI 3.0.1102	04/02/2013
2	Aligned to PHMI 3.0.1103	27/03/2013
3	Aligned to PHMI 4.0.1105 and 3.0.1105	11/12/2013
4	Aligned to PHMI 4.0.1150	12/09/2014
5	Aligned to PHMI 4.0.1152	30/04/2015
6	Aligned to PHMI 4.0.1152.5	25/05/2015
7	Aligned to PHMI 4.0.1152.15	02/10/2015

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## 1 Premium HMI v4.0.1152.16

The following table contains a list of the most important changes introduced in version 4.0.1152.16.

**Note:** Starting from version 4.0.1150 the change-log of the communication drivers is available in the “\_PHMI\_Communication\_drivers\_distribution\_list” only. The document can be found in the “Support” area of the web site from the “Drivers” folder.



Premium 4.0.1152.16 is a service release containing mainly bug fix.

The first column is the Item ID, the second refers to the related area, then follows a simple description of the fixed issue.

871A	Runtime	Added new System Variables to handle SMS passthrough for Ubiquity Router RM models
848A	ODBC	New default settings for WinCE 7 based devices: the standard archiving mode is now set to SQL CE
759A	Runtime	Added new System Variables for Ubiquity Runtime Status
893A	Runtime	Fixed “AlwaysInUse” flag behavior; even if disabled the variables were still “in use”
892A	Design	Fixed dynamic images preview at design time when having margins
891A	IL Logic	Fixed Boolean variables handling by IL Logic
884A	Design	Fixed dynamic color animation preview at design time
882A	Design	Fixed “SaveImageToFile” command: when working with bmp formats, the saved image was black.
808A	Runtime	Fixed continuous hourglass visualization over the trend object
716A	Runtime	Fixed “Load screen at startup” when working with screens containing huge images
698A	Screen Objects	Print did not work with XAML Objects
909A	Basic Scripts	Change of gauge warning zone via VBA didn’t work on WinCE OS
905A	Screen Objects	Fixed XY trend behavior: the curve was always painted starting from (0,0)
904A	Design	Studio crashed when using “Visual Studio .NET” application look
877A	Alarm Management	Fixed “Impossible to launch Alarm dispatcher ...” on Win32 OS.

## 2 Premium HMI v4.0.1152.5

The following table contains a list of the most important changes introduced in version 4.0.1152.

**Note:** Starting from version 4.0.1150 the change-log of the communication drivers will be available in the “\_PHMI\_Communication\_drivers\_distribution\_list” only. The document can be found in the “Support” area of the web site from the “Drivers” folder.



Premium 4.0.1152 has been initially released as build 4 (4.0.1152.4). The build 5 (4.0.1152.5)

only differs in the setup which includes the distribution of the new certificate used to sign the executables. The setup can run hence even without a working Internet connection.

The first column is the Item ID, the second refers to the related area, then follows a simple description of the fixed issue.

Newly added features are marked in blu.

Item ID	Area	Description
14524	Design	The Premium HMI error messages have been optimized.
14554	Design	The "String Table" resource has been added to the resources in the "Project Explorer" window.
13958	DOM	The new SetTimeStampFromDate() function as been added for the DBVarObjCmdTarget interface which permits the variable TimeStamp to be set with custom Dates and Times.
14225	VBA	The new "EnableDispatchingVariableName" property has been added for the "AlarmCmdTarget" interface which allows the Enable Message Dispatching via Alarm Dispatcher variable to be set with VB Script.
13155	Data Loggers Management	Added new string value in the registry key ADOCEExtendedOptions into the "General" registry key. The new key specifies advanced options.
10648	Design	The Normalizers resource supports now two separated values for the dead band, one inferior and one superior. It is now possible to know if the normalized tag goes out of the dead band from the inferior or superior limit.
9087	DOM (Document Object Model)	The GetPasswordFromUser method of the UIInterface is able to show the password request dialog with optional not changeable user name.
13634	User Interface	Dynamic image configuration editor improvements. The windows are now freely resizable. Default sizes can be restored by holding down the Ctrl key when opening the windows. Added Copy/Paste/Cut commands to the thresholds. Multiple selection of more images when adding them to a threshold. The images order can be modified with drag&drop operations. The threshold animation time can now be dynamically changed by linking it to a tag.
13681	Screen Objects	New styles added for the push buttons and selectors.
835A	Screen Objects	New XAML objects aligned to classic ones and conversion process updated according.
13704	User Interface	Revised screen style for the template projects screens
791A	Real time DB	Added support for single array element and single word bit write operation; this support is required by the communication protocols to implement the single array element and single word bit write operation
764A	Tool	Transfer tool improvements to better handle not responding target cases
763A	Screen Objects	Added "extract all" embedded images from symbols
743A	Library	The complete library storage path can now be changed
692A	Tool	New all-in-one Runtime installer for HMI30/25 systems

691A	Screen Objects	When configuring Dynamic Images for a rectangle, the first one in the list is now displayed as default image in the screen editor.
690A	User Interface	Palette colors available for graphic objects are now filtered according to the selected platform.
633A 811A	Screen Objects	Several improvements to the Recipe Management Window <ul style="list-style-type: none"> <li>- By default the window shows now the selected recipe instead of the first one in the list; new control tag has been also added</li> <li>- New control tags have been added to support the execution of the recipe management actions from variables</li> <li>- The recipe manager windows supports now the possibility to manage more recipes tables</li> <li>- The combo box with recipe name can be removed from the object</li> </ul>
109A ??	Web Server	The HMI30/25 web server is now automatically configured based on the last downloaded project
469A	Tool	Alarm generator has been improved to properly support the alarms generation from tag's bits. The tool opens now directly in the project folder. The window is now resizable.
742A	User management	Initial passwords assigned to users are now in clear
828A	Screen Objects	Fixed "clickable" property of Recipe Manager Window
694A	Screen Objects	Fixed general properties for XAML displays, fixed MIN/MAX behavior
730A	Tools	Fixed alarm import/export operation; simple export/change/import was not working due to wrong column layout in the exported file
732A	Runtime	Fixed bitmap cache management when original images are imported with very big size
818A	Screen Objects	Fixed animation for background property on XAML numeric objects
799A	Screen Objects	Fixed support with BMP including alpha channel
797A	Screen Objects	Fixed embedded screen refresh issue visible with missing contents after a screen change.
13815	Basic Scripts	The application would compromise its status during startup raising this error type [file=.\PmeDoc.cpp, line=27664, expression=""] [Could not find any description for the error]
14268	Data Logger Management	The RestoreFlushedData would not restore data correctly in certain cases. <b>Note:</b> The tool used the "ODBCTokenForSpaces" registry key to identify the beginning and end chars for the column name or the table name used by the specific Gesture Data Base when the names contained spaces.
13820	Design	The TimeStamp value would round off to the next value if the milliseconds exceeded the value of 499: this problem only occurred when managing timestamps arriving from the driver.
13845	Design	A Data Analysis pen curve would not draw in accordance with the TimeStamp value if more than one pen had been enabled at the same time in the legend.

2689	Design	A project resource's "Paste" command would not always add a valid progressive number. For instance, when copying an 'Alarm', 'DataLogger', 'Event', 'Normalizer' or 'Scheduler' object, the object would then be created with a name without a progressive number when using the 'paste' command. Only when adding new objects afterwards would the 'paste' command create them with a progressive number.
14306	Design	Premium HMI would raise an error when inserting OLE 'Excel worksheet' object type.
14497	Design	When copying a Variable Group the new name would be set with a wrong progressive number.
14496	Design	'RAS Stations' resource names would not get copied automatically in accordance with the progressive number.
13810	Design	The Premium HMI Grid would not refresh graphically when setting the column sizes to '1' in the "Widths of Columns" style property. To work-around this problem, a value greater than '1' had to be used.
14325	OPC Communication	In case the properties of a member of a structure variable specifies the OPC group, Premium would create an OPC group for each member.
14199	OPC Communication	OPC Server byte array TAGs would reproduce as single byte types when synchronized. Now they are synchronized with the right sizes.
8344	Real Time DB	When changing the value of one of two array type variables sharing the same internal memory address, the other one would not update with the changed value.
13808	Screen Management	A screen opened with its "Run in separate thread" option enable would create problems when retrieving the user name using the "GetActiveUserObject" function.
13794	Screen Object	A screen alias used in a display as a name index of a variable would not result correctly in the variable's name.
14482	Screen Object	The Trend printing would produce printouts with a Black Background both using Print command or VBA functions.
13859	Screen Object	When using the IMDB, WORD type variables with sign were mishandled in the DataAnalysis when obtaining negative values.
13805	Screen Object	When changing the cycle time in the "Image Animation" at runtime using the continuous cycle variable, the animation would always start with the first image instead with the one displayed at that moment.
13824	Screen Object	Fixed problem when refreshing the datalogger window at the configuration file loading, in case the configuration file specifies column configuration different that currently displayed.
14099	Screen Object	While inserting a Template Symbol on Screen, the variable would not get created with the same name in the RealtimeDB when renamed using the underscore character. Instead it would be created without being renamed.
14005	User management	In order to close the Password entry window, the Cancel button had to be clicked twice.
13791	WebClient	The Trend object displayed in the Web Client would not completely update graphically if the quality of the screen's WebClient was lower than 100%.

14287	WinCE OS	The 'CEUploadServer' server consumed memory in WinCE panels.
13984	Data Logger Management	The SDF files would not get generated in WinCE when using ADOCE.
772A	Screen Management	Fixed bug with bitmap cache handling causing writing operation to the cache even if no page is changed.
756A	Screen Objects	Fixed comma visualization for XAML Numeric fields
751A	Runtime	The export/import all recipes command did not properly import a modified file after the export operation
750A	Runtime	Fixed WinCE Runtime crash when executing a specific project containing images of not reasonable extremely big size.
739A	Design	Fixed handling of embedded images in symbols; to properly handle existing symbols created with older versions of Premium HMI Studio an additional command to extract all embedded images has been implemented. Check the Premium HMI Studio user manual for further information.
742A	Design	Passwords for users are now in clear
745A	Design	The dynamic image configuration window remembers now the last opened path
689A	Screen Objects	The zero position inversion property did not work for the XAML 3-state switches
687A	Screen Objects	The "preserve" option for the XAML text object included in a symbol did not work
664A	Tool	When the "Start device project" command was executed on a running project, the application was closed, but not restarted
663A	Alarm Management	The SMS group notifications are not sent in alphabetical order
662A	Screen Objects	The Radio button was missing the possibility to specify the size when the "Custom size" option was selected
661A	Design	When replacing an image with another one having the same file name, the image was not changed
9312	Screen Objects	Premium HMI would raise an exception when loading a Trend Object or enabling the Trend object's pens when the option used for loading data in background was active.
12658	Tools	While using the MySQL ODBC PlugIn the "RestoreFlushData" tool would not retrieve data saved when any ODBC errors were resolved.
12991	Web Client	The Applet Java would freeze upon page change when page was displayed in an "Embedded Screen" object containing a Chart object.
12700	Alarm Management	The TimeStamp relating to the Alarm for a threshold set to True with the "AlarmThresholdCmdTarget" VBA interface's "DateTimeFromTimeStamp" property would continuously report data incorrectly ('29/12/1899 23.00.00')
13070	Alarm Management	The Variables set in the Commands on Event properties of Alarm Thresholds would not go into use when connected to the field in Output the commands would have no effect.
12573	Alarm Management	The Alarm Dispatcher would not send Child project alarm notifications correctly in Parent-Child project situations if the Child was 'Executable' and in 'Auto Run' (module).

13462	Basic Scripts	The GetSynopticInterface() function from the "PmeDocCmdTarget" interface would fail and issue the "Interface not registered"(0x80040155) error in Windows Vista operating system with "UAC ON". To Work-Around this problem, Premium HMI had to be started up at least once with the "Run as Administrator" open even though with UAC ON.
12767	Basic Scripts	The "SaveImageToFile()" function from the "SynopticCmdTarget" would ignore the parameter relating to the saved image's Quality therefore all the files that were generated had the same size and depth in Bit.
13451	Data Loggers Management	In some cases the Data Logger would drop tables when not necessary to do so.
12488	Design	Applying the Zoom Off by dragging the Mouse on the Trend would raise an exception in Premium HMI. This problem was worked around by disabling the option for loading data in background with a separate thread.
12417	Design	"Activation context generation failed" errors would appear in the Windows Application event log relating to the localization dll (eg. *LOC.DLL) for both Premium HMI 11.3 and 11.4.
10396	Design	When using the MySQL ODBC the variable 'ODBC Link' functionality would not insert or update records in the RTVar table and it would not alert errors in the DBMS Log.
13574	Design	Changing screens using the 'Commands on Pressed Button' option would not work. This problem began happening when modification for the Multitouch in build 1150 were implemented.
12769	Design	The project's Tool Upload reported an incorrect alert in the log when logging in to the TCP upload remote Server failed.
12979	Design	In cases when zooming in on a symbol, ungrouping it and then zooming out the management responsible for the properties used for positioning symbol components would not return them back their previous positions.
12983	Design	When a symbol's 'Back Color' Animation was activated with the "Tag is an Alarm Area" property and its list of colors were changed, Premium HMI would raise an exception when inserted in the Symbol Library.
13251	Design	A Trend object animated with visibility would not update the chart's curves when the visibility switched from Off to On. This problem was worked around by inserting a Refresh instruction in the Trend's "OnTimer" VB timer.
12483	Design	When starting up Premium HMI with a synoptic adapted to full screen size without status bar, the window frame would appear limiting the screen borders to show at full size.
13129	Design	When the "Sound Duration Button (ms)" property was set to '0', the sound would not stop when clicking on a button in a Pop Up opened in Modal mode that executed the 'Screen' command set with the 'Close and Return Back' action.
12795	Historical Log Management	The UNICODE characters would not get saved correctly in the logs because the conversion function has not been included in the Insert query.



12569	Networking	The "Nr. Attempts to Connect" and "Attempts Interval" setting would not get set in the transports created for Client communication with Server.
12670	Networking	Using a Client Premium HMIRuntime in a Parent/Child application towards a redundant Server Premium HMI would raise an exception during the application shut down phase after a certain time in runtime.
12386	ODBC	Premium HMI would go into 'Out of Memory' and then raise an exception when the amount of data to be recorded became excessive. This problem would manifest when the variables of various data logger tables changed very quickly. This problem has been fixed so that data in the ODBC Cache is flushed when exceeding the cache's size multiplied by 10. When this limit is exceeded Premium HMI flushes data onto a support file and issues an error message in the log.
13658	OPC Communication	Instead of creating OPC groups for structure variable members linked to OPC Items, just one unique group is created for all members for the time being due to difficulty in optimizing the activation management of various groups.
13160	OPC Communication	In cases where the data type or value passed from the Premium HMI OPC server to the OPC client might have been incompatible with the Premium HMI variable it would not be reported in the log even when enabling the OPC Client trace.
12797	OPC Communication	The 'Synch OPC Server..' command would no work correctly in certain situations.
13138	Screen Management	The Screen contained in an 'Embedded Screen' object in which a dynamic variable was used for changing the displayed screen would stop updating or the application would freeze upon displayed screen change.
13282	Screen Management	When using the "Zoom To" command in a screen already activated with a zoom factor, the zoom would reset to 100% before using the command. This problem manifested when the zoom factor in either case resulted inferior or superior to 100%.
13271	Screen Management	Opening the same screen with the same coordinates set in the command but with two different Modal and Frame modes the screen would open in a different INCOMPATIBILITY position: the screen would open in a slightly different position in projects that had been already created.
13697	Screen Objects	Combo boxes would not display properly in the 'Alarm Window' object from the Web Viewer Library used by Web Clients when other Text objects were present.
12955	Screen Objects	When the 'Enable Button Sound' was enabled and when clicking on a Display with an active "Show Pad" property, the sound would repeat continuously until the Numeric or Alphanumeric Pad was closed.
12650	Screen Objects	It was not possible to use variables that had been created in runtime in Color Threshold Animation expression control.
12746	Screen Objects	The Zoom would not reset when Trend returned to Run mode after a zoom-in operation.

7127	Screen Objects	Due to a Windows CE platform problem the Trend object would send MovCE into exception for consuming memory when the set font was used to determine the height of pen check boxes in a legend containing 6 pens: this problem has been fixed by drawing push buttons when the check box in the legend is too small.
13695	Screen Objects	The cursor in Slider Objects did not have the right styles, for instance the vertical cursor was used in horizontal sliders while the horizontal cursor was used in vertical sliders.
13208	Screen Objects	The "SetSamplesValue()" function from the "TrendCmdTarget" would not function if the Trend was loaded as "Always in Stop" and therefore without recording samples in its buffer.
12609	Screen Objects	When a Parent project screen contained an Embedded Screen object which displayed a Child project with a Data Analysis or Trend object, the child project's datalogger or trend object would not show the pen historicals.
10342	Setup	The .movprj file would not get associated with 'Premium HMIRuntime.exe' when installing the Premium HMI Runtime component only.
12694	Tools	The TCP Client Service Upload vulnerability has been fixed concerning the missing authentication towards the TCP Server Upload during a version request for that server.
13698	User Interface	The meters in the toolbox window were indicated as "Gauges" instead of "Meters".
12989	WebClient	The Web Client Java Applet was not signed therefore a security error would occur and block the Applet from running when using the same Java Machine 7.0 or later versions.
12699	WinCE OS	The "_SysVar_:ActiveScreen" system variable reported the ID of the previous screen. This problem started occurring with the Premium HMI 1102 build.

### 3 Premium HMI v4.0.1150

The following table contains a list of the most important changes introduced in version 4.0.1150.

**Note:** Starting from version 4.0.1150 the change-log of the communication drivers will be available in the "\_PHMI\_Communication\_drivers\_distribution\_list" only. The document can be found in the "Support" area of the web site from the "Drivers" folder.

The first column is the Item ID, the second refers to the related area, then follows a simple description of the fixed issue.

Newly added features are marked in blu.

Item ID	Area	Description
471A	Alarm Management	Added command to delete the alarm history
466A	Recipe Management	Added command to export/import the complete set of records of a recipe.
465A	Real Time DB	Added support for dynamic scaling factors

11600	Design	<p>The "Don't ask me again" window has been optimized to present the following buttons:</p> <p>YES: performs one single operation          YES ALL: performs all the following operations          NO: does not perform the one single operation          CANCEL: aborts all procedures in progress</p>
11849	ODBC	<p>The new General\ODBCUseBooleanForBitTag registry key has been added. When setting this value to 1 for Bit type tags to be recorded on database, boolean type columns will be created and not string type.</p>
11729	ODBC	<p>The NaN value management has been added for Double variable types.</p>
11552	OPC Communication	<p>An option has been added to enable/disable the OPC groups independently from the in use variable management by means of using the 'EnableGroup' property from the 'OPCClientGroupObjCmdTarget' interface.</p>
8850	Schedulers Resource	<p>An option has been added to the Scheduler resource in order to choose whether to or not to execute the Off Command list when a scheduler is disabled.</p>
10991	Screen Objects	<p>A mechanism has been added to synchronize Expressions; pages will not be displayed until their expression contents have been calculated.</p>
11550	Screen Objects	<p>A new option has been added to the Trend object for choosing whether Trend should stop recording when all its pens have obtained "Bad" quality or to stop when only one of the pens obtains "Bad" quality.</p>
11551	Screen Objects	<p>Once a date and time filter has been set it is now possible to move the cursor backwards and forwards if the time range selection is different from 'All'.</p>
11325	Screen Objects	<p>A new General-&gt;UseAntialiasingDrawingMetafile registry key has been added through which it is possible to display vector images set in Buttons using the antialiasing (screen setting).</p>
519A	User Interface	<p>Added support for double click event detection for some objects: grid elements editing, trend viewers pen editing, alarm visualization.</p>
11682	Design	<p>The Resource and IL Logic events would get blocked by the Audit Trail.</p>
12413	ODBC	<p>Recording values with floating point through the ODBC would fail if the point had been set as a decimal separator.</p>
12412	Real Time DB	<p>The "No error message is available" message showed when launching the project into run mode from development mode the second time.</p>
9312	Screen Objects	<p>Premium HMI would raise an exception when loading a Trend object or enabling its pens if the option for loading data in background was active.</p>
11557	Screen Objects	<p>A memory leak would verify when using the screen navigation bar.</p>
11821	Alarm Management	<p>An alarm would remain ON when the variable would turn to OFF while the Alarm was still executing the threshold script.</p>
11882	Alarm Management	<p>The multilanguage text in the Alarm Window would not get handled correctly if it was in the variable's value place holder %(VariableName) description.</p>

11131	Data Loggers Management	The problem involving the Out of memory when using a great number of data loggers (around 300) which recorded according to set time intervals has been fixed.
11564	Design	Importing a database within the editor creator would not create the data logger, variable and columns correctly. In addition all the variables were created as string types if the database type was an SQL Server.
11776	Design	Premium HMI would freeze when importing a UDT which existed as a prototype in the RTDB.
11793	Design	The Enable and Disable methods or Dynamic OPC Groups would have not effect in the Implicit OPC Groups.
11456	Design	The Data Analysis would get printed with a black background.
11718	Design	The Edit Pen window would not show the "Data Logger Column" field when opened with the "Add" button.
11775	Design	Data Analysis - The First Point and Last Point buttons moved the cursor to the second and penultimate sample respectively.
7028	OPC Communication	When associating an OPC group to a variable in the log, the group's activation/deactivation message would not show.
10857	Real Time DB	Import Database: importing the structure of a DB as recipe type would create the variables incorrectly.
11023	Real Time DB	Trace - The AuditTrail comment would be requested even when variable had not been modified.
11702	Recipes Management	Recipe export would not work for columns that had Tags with integer structures.
11367	Report Management	Dword values would not get read correctly from the database in Embedded Reports.
11572	Report Management	The Memory Leak in the embedded reports management on the Windows CE platform has been fixed.
11255	Screen Management	The "ScreenToLoad" system variable would ignore values that were higher than the SHORT range.
12351	Screen Management	An object which set its visibility according to the zoom level would be visible when it shouldn't have been.
11392	Screen Objects	The Xpos function of an object invoked from script for the first time would not execute properly.
12209	Screen Objects	Premium HMI would freeze when the alarms or log messages were scrolled using the mouse wheel in the Alarm Window or Historical Log.
11505	Screen Objects	The combo box could not find the linked variable if loaded in an embedded screen which displayed child screen.
11399	Screen Objects	Updating public symbols failed to work correctly when contained in an embedded screen.
11130	Screen Objects	The "template project" wizard would set the font node in trends and the historical log by error.
11575	Screen Objects	Trend: When the first configured pen would always be considered as being selected even though not visible in the legend.
11307	Screen Objects	The alarm window would order alarms based on the second column and not according to time on.

10699	Screen Objects	Request for the option to disable the display of labels on points of the DataAnalysis curve.
12120	Screen Objects	Display problems would occur using the "Analysis" button in a Trend Template taken from Symbol library.
11056	Screen Objects	Using vectorial images in buttons would cause delay in displaying the page.
9480	Tools	The 'Invalid Argument' error during string importation has been fixed.
12452	User Interface	"BCGPOleAcc - Could not get the Class ID!" error has been fixed.
11201	WinCE OS	The Green and Red rectangular button management was incorrect in Windows CE.
596A	Screen Objects	Fixed problem with XAML gauge causing HMI30 to show a blank page when the property "Show scale" is disabled.
595A	Screen Objects	Numeric XAML objects were not properly refreshed when used in embedded screens.
588A	Design	Fixed minor branding issue
587A	User Interface	Premium HMI Runtime was launched in a second instance when using double click on the project name
580A	Screen Objects	The "Execute on click" command over XAML display objects did work only if the "Display pad" property was enabled. The command was executed but also the pad was displayed.
578A	User interface	Premium HMI Runtime on HMI30 did crash when changing page fast using a specific customer project
564A	Screen Objects	The "Dynamic text" property did not work for XAML text objects.
562A	Screen Objects	The orientation property did not work for XAML text objects.
557A	Screen Objects	When using customized data entry keypad it was not possible to type floating point values unless you insert a decimal number different from 0.
510A	Design	Fixed issue with XAML buttons and commands. When used in "Execute commands" mode, the commands were not properly added to the list.
507A	Design	The file "CustomStringID_Unicode.csv" was not installed by the Install Shield script
506A	Alarm Dispatcher	Fixed ".dispper" file writing error. Visible only for HMI30/25 systems where the dispatcher did try to write to the NAD flash which is normally in read-only mode.
493A	User Interface, Design	Fixed problem with object conversion to XAML; it would happen that some projects after conversion did not work properly at runtime displaying warning messages
488A	Web client	Fixed compatibility issue with Chrome and Firefox browsers
447A	Screen Objects, Design	The embedded screens were not properly refreshed in the projects pages when the contents did change at design time.
433A	Design	The generic driver help file were not installed when selecting Italian as installation language.
203A	Design	Fixed refresh issue when replacing a graphic file with another one which is different but still with the same name.

652A	Screen Objects	Fixed support for string formatting in “Text – Display value” dynamic property.
651A	Library	When using on WinCE library objects with embedded images, the images were not displayed. The image coding used was not supported by WinCE.
649A 765A 766A	Library	Fixed “add tag” mechanism when doing drag&drop into the screen of library object having dynamic properties attached to tags. The tags are now added to the Real Time DB only if not present
6221A	Alarm management	Changed to “1” the default threshold activation value for digital alarms.
558A	Screen objects	Fixed issue with separators in XAML display objects
547A	User Interface	The project on HMI30/25 did not start if the storage path contains spaces.
517A	User Interface	It is now possible to move the EditUser dialog from the dialog area; this makes possible to use it on small displays where it could not be completely visible (bigger than display area).
511A	Screen Objects	The “transparency” property was erroneously removed for XAML objects when selecting the WinCE 7.0 as platform.
688A	Design	The properties under the category “Project Paths” did not work when used on WinCE devices
669A	Screen Management	The gesture recognition on modal pop-up has been disabled as not supported.
660A	Screen Objects	Fixed “scale” for XAML slider
655A	Screen Objects	The default format for the “text” animation has been set to “x” to avoid specifying the format in case the variable to display is not a string.
695A	Runtime Design	When the destination path on WinCE target device was manually typed, the boot file was created in the wrong folder

## 4 Premium HMI v4.0.1105 and Premium HMI v3.0.1105

The following table contains a list of the most important changes introduced in version 4.0.1105 and 3.0.1105 of Premium HMI. For the release 3.x only the bug fix are valid, no new features are introduced.

The first column is the Item ID, the second refers to the related area, then follows a simple description of the fixed issue.

Item ID	Area	Description
367A	Screen Objects	Fixed color rendering for push buttons: the color status where erroneously inverted. The problem was only visible on ARM based devices.
354A	Screen Objects	Fixed handling of custom images in push buttons. Both images where erroneously displayed when pressing the button. The problem was only visible on ARM based devices.
349A	Screen Objects	Fixed Data Analysis object. The horizontal axis reported wrong time reference even if the data records timestamps were correct.
321A	Screen Objects	Fixed rendering of bitmap images used for pressed and released state of buttons when they are bigger than button area.

11023	Real Time DB	Trace - The AuditTrail comment would be requested even when variable has not been modified.
11682	Design	The Resource and IL Logic events would get blocked by the Audit Trail.
10553	Screen Objects	Executing ON/OFF of a Button would frequently generate a Memory Leak.
10218	Screen Objects	Populating a combo-box or list-box with a very high number of items (around 3000) would freeze the user interface for a few seconds.
10784	Screen Objects	Premium HMI would freeze when executing the "Capture & Save" command from a screen's command list if this screen contained a Historical Log window connected in net.
2303	Screen Objects	The curve in the Data Analysis object would not represent value qualities correctly in certain particular circumstances.
10483	Screen Objects	The image quality in the IP Camera object would diminish when Stretched to Fit the object.
10463	Screen Objects	The Recipe Manager window would act up while activating a recipe.
10617	Screen Objects	There was a blinker management error in the Alarm Banner object used in a Network Client project.
10570	Screen Objects	In certain cases the buttons used for moving a Data Analysis cursor would not move the cursor.
10179	Screen Objects	The "Digital Calendar Clock 7" object would not change the day when the date had been changed in Runtime.
319A 304A	Tool	Modified Premium transport service to achieve more reliability and performances.
351A	Tools	Fixed import/export tool for alarms: the thresholds were not created when importing back the file
330A	Design	Fixed color transparency handling for raster images. The transparent color was not properly recognized by Studio.
341A	Design	Fixed handling of image resizing and centering: when changing the image position option from center to stretch and back again to center, the image was not correctly displayed in Studio but properly represented at Runtime.
320A	Design	Fixed support for image alignment in push buttons release and pressed states. Studio did not properly update the images after a change in the alignment.
10103	Design	A new window has been added for the Project IL Logic editor. Now when you double click on the project name a frame will open in the workspace to allow you to edit the project's IL Logic which will remain open independently from the fact that another object or resource is selected afterwards.
10066	Design	A command has been added to the "OPC Client DA" resource for synchronizing OPC Server Items with Premium project OPC Client items. This commaRuntimend consents all the synchronization of all Server Items with all those belonging to the Premium Client.
8985	Design	The "Full Screen at Startup" option in Window 7 would not always work correctly.

10193	Design	When selected from the Watch window, the "Tag Explorer" window would not select Arrays containing more than 255 elements correctly.
10041	Design	When copying and pasting objects into different screens, copied objects would not get copied on screen in the same place according to their originals.
10550	Design	A locked project would not permit the Drag&Drop of a multiple selection of variables associated to an object.
10654	Design	Resources could still be copied and pasted from and to a locked project and a unlocked project.
10806	Design	In certain cases Premium HMI would freeze while saving project that have been created with an obsolete Premium HMI version.
10932	Design	Premium HMI would go into error when modifying a Tag that requested the Audit Trail Comment from the Watch window.
10484	Design	A Project set to block mode would still permit the copying and pasting of resources within the IDE to and from diverse projects.
338A	Runtime	When executing the command "Start project on Device" from the "upload" tool of Studio and there is already an instance of the Runtime running on the HMI, a second instance was erroneously launched. The problem was visible only on x86 platforms with Windows CE
313A	Documentation	On-line Help for drivers has updated description for newly added communication parameters (block transfer)
336A	Comm. Drivers	Driver "CoDeSys" v11.0.1.5 - Fixed Runtime crash when activating data record over a data logger configured with string type tags
356A	Comm. Drivers	Driver "CoDeSys v11.0.1.5" - Fixed tag importer for CoDeSys driver: when importing array of data, at the end of the name it was erroneously added and underscore.
355A	Comm. Drivers	Driver "CoDeSys" v11.0.1.5 - Fixed Premium HMI crash when importing tag from file
343A	Comm. Drivers	Driver "CoDeSys" v11.0.1.5 - Fixed issue visible with CoDeSys driver in combination with the use of buttons programmed with "set" commands. Under certain circumstances the button stayed in the pressed state even if the tag was reset. The problem did occur only when the value of the variable was changed by the controller program before Premium was able to read back the new value missing by the way the value change of the tag.
401A	Comm Drivers	Driver "CoDeSys" v11.0.1.13 – fixed tag importer when using the file as input method: the task type was erroneously set to 0 (read only)
456A	Comm Drivers	Driver "CoDeSys" v11.0.1.13 – fixed not deterministic behavior of buttons programmed to toggle a bit; sometimes the bit was not properly reset after releasing the button
339A	Comm. Drivers	Driver "S7 TCP" - Fixed issue visible with S7 TCP driver in combination with the use of buttons programmed with "set" commands. Under certain circumstances the button stayed in the pressed state even if the tag was reset. The problem did occur only when the value of the variable was changed by the controller program before Premium was able to read back the new value missing, by the way, the value change of the tag.



296A	Comm Drivers	Driver "S7 MPI COMx" v12.1.0.19 – fixed tag importer from Step 7 program; an underscore was erroneously added as prefix to the name.
397A	Comm Drivers	Driver "Omron FINS Serial" v11.2.0.11 – default value for property "Enable log to file" changed to "false"; Logs files are now saved in the "LOGS" folder of the project directory.
346A	Comm Drivers	Driver "Omron FINS Serial" v11.2.0.11 – fixed problem visible when using the system variables "Screen to load" and "Strobe load screen" directly linked to a PLC memory address.
288A	Comm Drivers	Driver "Omron FINS Serial" v10.1.0.10 – fixed support for CP1L and CP1H CPU models when used in combination with 2 or more HMI connected to the same PLC at the same time.
377A	Comm Drivers	Driver "KEB DIN66109II" v11.1.0.4 – Added support for using UDP Ethernet protocol.
10556	OPC Communication	When connecting a OPC Client variable to a writable only OPC Server item, this time could not be written by the Client.
10126	DOM (Document Object Model)	The IOPortSerial interface could not be used with "Basic" licenses. This interface has now been made accessible directly and therefore now supported with the "Basic" license as well.
8114	OPC Communication	A variable would not go into use properly when having been connected with a dynamic OPC link and then associated to a deactivated "OPC Client DA Group".
10035	Real Time DB	The in use byte counter for Array variable types would not get managed correctly.
10105	Real Time DB	Disabling a project's "InUse Variable Manager" would block the Normalizer objects during Runtime and the "Normalizer variables" would no longer function.
10348	Real Time DB	An Array with dynamic index could on read the value and not write it towards the field.
10264	Real Time DB	Setting an "String ID" from the string table in a variable's "description" property, the TraceDB function would not resolve the String ID set with the text in the current language. Therefore the String ID and not the corresponding text would get recorded in the variable's Trace.
10359	Real Time DB	The EnableInUseVarMng function, when modified in Runtime, would also get saved and kept in permanent mode.
10926	IMDB (In Memory DB)	Using the IMDB manager the DWORD variables without sign would get created in the database in the wrong format.
10876	Screen Management	Enabling the Gestuality function, the screen's "pan" would go into conflict with the object sizing or movement functions.

## 5 Premium HMI v3.0.1103

The following table contains a list of the most important changes introduced in version 3.0.1103 of Premium HMI.

Please note that this version has an internal ID which has been recorded as 3.0.1103.23.SP1.

The first column is the Item ID, the second refers to the related area, then follows a simple description of the fixed issue.

Item ID	Area	Description
311A	Screen Objects	Fixed support for symbols' embedded images. The support is now available also for Windows CE platforms (not supported before).
303A	Command actions	Some of the Reports and Recipes actions were not configurable in the list of commands associated to a command button.
299A	Design	Fixed support in Studio for double click commands. The double click event detection was erroneously disabled and few controls were not working as expected.
321A	Screen objects	Fixed rendering of bitmap images used for pressed and released state of buttons when they are bigger than button area.
320A	Screen objects	Fixed support for image alignment in push buttons release and pressed states. Studio did not properly update the images after a change in the alignment.
313A	Documentation	On-line Help: updated description for newly added communication parameters (block transfer)
289A	Screen objects	Fixed Runtime crash visible when following an unspecified sequence running a particular project. The problem was visible with a Runtime crash after an unspecified number of screen change actions. Sometimes the problem was anticipated by graphical rendering issues with object screens.
287A	Design	Fixed Premium HMI Studio crash visible when renaming a group of two or more objects.
282A	Design	Reports objects were not shown in the list of available reports when configuring commands for a button.
276A	Documentation	Some of the on-line help files required by the help engine to properly work were not distributed for the English language

## 6 Premium HMI v3.0.1102

The following table contains a list of the most important changes introduced in the actual version of Premium HMI.

The first column is the Item ID, the second refers to the related area, then follows a simple description of the fixed issue.

Item ID	Area	Description
248A	Documentation	Minor corrections to the on-line help documentation.
232A	Screen Objects	Added support for enhanced graphic engine resizing and raster graphic cache handling.
192A	Setup	Minor changes to adapt screens and dialogs to the new HMI25 4.3" display size.
166A	Comm. Drivers	Driver "Ethernet S7-300/400 TCP" v10.1.0.16 - The Ethernet S7-300/400 TCP communication protocol has been modified to properly handle the "impulsive" command ensuring that all the click/press events are correctly processed.

165A	Comm. Drivers	Driver "S7-MPI COMx" v11.0.0.6 - The MPI communication protocol used by on board serial ports of HMI30, HMI600, OT600 and Smartbox systems did change its name; it is called now "S7-MPI COMx" and it is available in the "Siemens" folder under the list of available driver in Premium HMI Studio.
158A	Setup	Fixed minor aesthetic issues in setup screens.
150A	Screen Objects	Fixed support on Windows CE platforms for Polyline touch areas. The active touch area is now restricted to the polyline area and not any more to the rectangle area that contains the polyline.
69A	Screen Objects	Added support for removing screen border option. A new property has been added to the "Style" category of the Screen properties; when un-marking "Show screen border" all the physical display area becomes available. The option is by default activated to keep backward compatibility with existing projects.
174A	Comm. Drivers	Communication protocol descriptions do not mention any more the "License"; assuming the hardware compatibility all drivers distributed in PHMI are available for any license type and any platform.
170A	Screen Objects	Fixed screens pre-loading mechanism at startup; the screens marked for pre-loading were loaded a second time at their first opening introducing visible delay in screen change on the target device.
145A	Screen Objects	Double click event is not supported by Premium; any double click event is now handled as a sequence o two clicks.
137A	Web Server	Fixed handling of dropped connections at web server side; interrupted connections were not released and the system did return a warning message preventing any new connection.
130A	Screen Objects	Downscaling quality for raster images have been significantly improved on Win32/64 and Windows CE platforms. New algorithms have been now introduced to ensure high quality image reduction processes directly executed at runtime. This new intervention permits full re-use of projects designed for big screens even on very small displays.
91A	License	Trend support was erroneously disabled for the BASIC version of the Win32 license.
79A	Screen Objects	Fixed refresh screen slow down when using trend widget with legend enabled.
9245	Alarm Management	In certain cases problems would occur recording the TimeStamp of an alarm.
9226	Alarm Management	In certain cases Premium HMI would remain pending in the Alarm Manager arrest phase when stopping a project. This would happen when a large number of defined variables connected to an OPC that were also connected to project alarms changed value quickly.
9276	Basic Scripts	The "KeyDown" and "KeyPress" Script events used in a screen and in an objected would not always be notified correctly.
9064	Comm.Drivers	The DataLogger, in certain situations when linked to the Communication Driver, would record the same record twice at project startup.
9033	Data Loggers Management	On several occasions a DataLogger's status variable would remain at the value "1" instead of returning to the value "0" while restoring the ODBC connection after an error had occurred.

9000	Data Loggers Management	A DataLogger's status variable would not get saved in the DataLoggers file and therefore would not result when the project was reloaded afterwards. In addition it became impossible to set status variables for Recipe resources when project had been set with a Basic License.
8919	Data Loggers Management	When an array variable was used in a DataLogger as a record variable, two identical records would get inserted in the database.
8987	Design	When activating the command to create a variable group after having selected a member from a structure prototype, Premium HMI would raise an error.
9188	Design	Selecting an object within a screen would not always populate the Property Window which remained blank. This problem would verify in concurrence of the following conditions: <ul style="list-style-type: none"> <li>• Object used a structure variable in a basic expression enclosed between rounded brackets (i.e. "(MyStruct.VAR00001)")</li> <li>• The structure variable member was referenced within the expression using a full stop</li> <li>• The structure variable had its "intellisense" active</li> </ul>
8961	Design	In certain conditions saving a project would result with an empty ".hmirealimedb" file with project remaining in the 'Unsaved' status.
9214	IMDB (In Memory DB)	A recipe memorized on IMDB database was presumed deleted when going into runtime with the project, but apparently the file did not get deleted but renamed from ".dat" to ".datbackup".
8947	License	When using a "Basic" License, the Trend object would not get managed correctly and would not show data in runtime.
9347	Networking	The filter applied to alarm priorities in a Network Client Alarm Window would not work correctly.
8966	OPC Communication	A project set for connecting to one or more OPC Servers would generate a rather misleading error message in the log when one or more OPC Servers were unavailable at project startup. This message has now been changed whereby setting the "Reconnection Time" to the '0' value no attempt will be made to reconnect to the Server by Premium HMI after a first connection error occurrence.
8897	OPC Communication	The quality of an OPC item would not get managed correctly if the item in question was nonexistent.
9230	OPC Communication	Problems with updating variable qualities connected with the OPC Server Factory Talk (Rockwell).
8944	Real Time DB	When using a array variable connected to a Communication Driver and one or more of its elements went into use for the first time, the Driver would execute a array variable write even though the variable's value had not changed.
8635	Real Time DB	Values with floating points saved in a database had a limited 6 figure precision after the point. This precision is now managed according to the "FloatingPointPrecision" registry key.
9009	Real Time DB	When a structure variable was expanded within the Watch window to see the values of each individual member, these values would show set to 'unknown' when changing tab and then returning back again.
9035	Recipes Management	Some recipe status variable bits would not work properly.

9078	Recipes Management	Setting the Premium HMI language to German and then creating a new Recipe resource, the name of the "Recipe Index" column would insert as "Rezept-Index". This would then create a problem due to the fact that not all databases support the "-" character. This character is now no longer inserted.
8955	Recipes Management	When a Float Array variable was used in a Recipe object, the values loaded from the database would lose their decimal part.
9115	Report Management	The Pen Points of a Premium HMI Embedded Report's Chart/Trend in WinCE would show enlarged.
9100	Report Management	Generating a Premium HMI Embedded Report would take up a lot of time when containing more than few pages. Now in Win32/64 bit performances have been very much improved, but only if transparency or visibility animations are not used in the report.
9031	Screen Management	The use of Aliases in object "Default Structure" fields would not function.
9077	Screen Objects	When a Trend object was stopped from a Network Client or Web Client, the time reported in the "Break Values Area" was incorrect.
1061	Screen Objects	The OnColumnClick event would not function and if there was associated script code it was not performed.
8893	Screen Objects	When changing pages among screens containing Embedded Screens, the events of the Embedded Screen objects would not be notified. As a consequence these objects would not respond to any click operations. This condition would come into being if the Screens had been enabled with the "Keep in Memory" option.
8889	Screen Objects	Moving an object with animated movement in progress within a screen inserted as an Embedded Screen had negative results if the "Keep in Memory" option had been enabled in the main screen.
8973	Screen Objects	When an Embedded Screen or TAB Group was used in a Parent project for displaying a Child screen, the command of these screen would execute within the context of the Parent project and therefore would not function correctly above all if Parent project had several Child projects using resources with the same name (i.e. screen names). These commands are now executed by searching the resources first in the Child project. Incompatibility: This fix may cause problems in projects from previous versions in cases where, for example, commands executed from Child projects have been "adapted" to work around the original problem of this case.
9388	Screen Objects	A Trend in pause mode would move to the initial page each time a pen was selected within the legend.
9446	Screen Objects	The Trend's recording functionality, by means of using the "Add Values" variable, would not work correctly and the variable would not reset after having been set to the '1' value.
9007	Tools	The CSVTagIE.exe tool would take too long to import a ".csv" file containing a large number of variables. This procedure has now been speeded up.
9218	Tools	In certain particular cases the RestoreFlushedData.exe tool would raise an error when starting up a project.

9048	Users Management	If the "Run Command after Login" option had been enabled in the Users management, the command would be executed even when the "Access Level" of the user who just logged on did not match the object's "Write Access Level".
9340	WebClient	Loading Grid data from Web Client was rather slow going. The new "WebServiceClientBlockUIOnLoading" registry key can now be set to speed up this procedure. However the user interface will result unusable until the data loading procedure has terminated.
9331	WebClient	User Autologoff could no longer be managed from WebClient.
5384	WebClient	Scroll bar management from Web Client has been improved in all those objects provided with one.
66	WebClient	Scroll bars in special objects such as the Grid and display windows (DataLogger window, Historical Log window etc.) would not show in WebClient. This would happen if the Windows XP theme has not been enabled. If the Windows theme is now disabled, or if the Premium HMI Server project is run as service (therefore not using the Windows theme), the scroll bars are drawn directly by Premium HMI (and those from the Windows theme will not be used).
		NOTE: however, if a different theme is activated that is not that of "Windows XP", the scroll bars from WebClient may not be as good.
8983	WinCE OS	The "ActiveScreen" system variable would not update correctly in Windows CE if screen had been opened as a PopUp.