Visual Project Configuration

- **User Manual -**

Contents

Introduction

Visual Project Configuration is a configuration tool which is integrated in Visual *Project* ®. By means of this tool, single components of telecommunication and information technology systems can be compiled into an optimum solution.

Its user-friendly, graphical interface enables the user to project different systems with low effort. Via „drag and drop", the single components of the system can be selected and connected. Out of that configuration *Visual Project Configuration* determines all components which are necessary for the system.

The configuration results can be taken over into an offer of *Visual Project* ® via pressing one button.

Start Visual Project Configuration
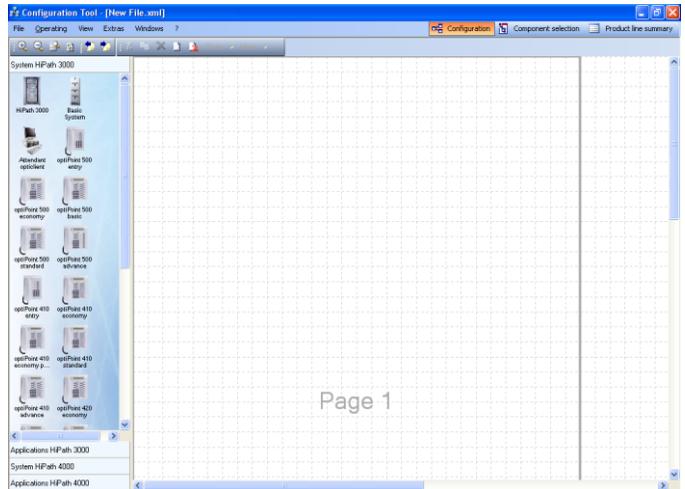
You can call *Visual Project Configuration* in the project editing of *Visual Project* ® via the menu *<Config.-assistant>* or by clicking onto the corresponding symbol.

Further information concerning the project editing of *Visual Project* ® can be found in our *Visual Project* ® Manual.

Design of Visual Project Configuration

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The start template	If you start *Visual Project Configuration* you get into the start template (see picture above). The start template is divided into several areas:

Selection bar for the editing mode	*Visual Project Configuration* offers three different editing modes:

- **Configuration**, graphical interface for designing a configuration. Here the actual configuration is happening.

- **Component selection**, overview of all available system components arranged in categories.

- **Product line summary**, contains a list of all products determined during the configuration as well as all products added manually.

With the start of *Visual Project Configuration* you get into the editing mode **Configuration** automatically.
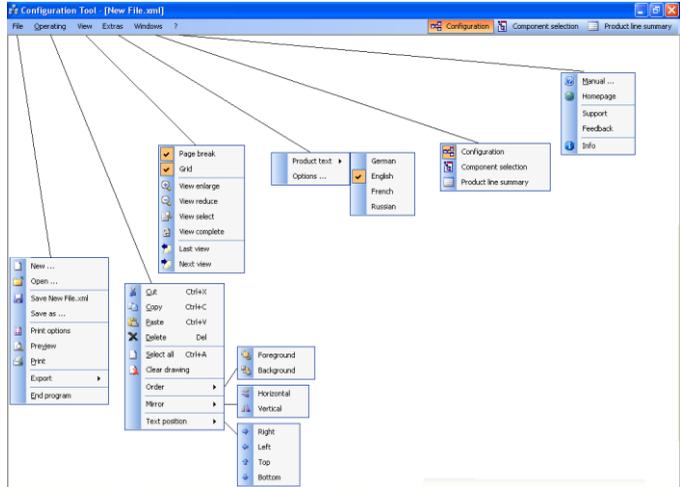
The menu bar   Via the menu bar you get to the single menus of *Visual Project Configuration*. Depending on the editing mode, the menu options can differ.

Toolbar   The toolbar enables a fast access to the most important functions for editing your configuration. It is only visible in the mode *Configuration*. All symbols of the toolbar are provided with so-called pop-up help texts. This means that a small text appears beneath the buttons if you remain with the mouse pointer on a symbol for a certain period of time.

Component bar   On the component bar you can find the symbols of all components which can be used for a configuration. All symbols can be dragged onto the drawing space in the middle of the window by drag and drop. The component bar is divided into categories.

Drawing space   In the middle of the window you find the drawing space on which you design your configuration. With the first start of *Visual Project Configuration* the drawing space is empty.

Outline of the Functions of Visual Project Configuration

Functions in the File Menu

The file menu offers different functions for saving, printing and exporting.

 New

Opens a new, empty configuration file. Before that the currently opened configuration should be saved if necessary, otherwise changes which were carried out before will be lost.

 Open

You can read in a configuration saved as xml file via the menu option *<File/Open>*. Since changes which were carried out previously will be lost, you should save your configuration if necessary.

If you want to use your configuration for further projects, you can save it via the menu option *<File/Save>* or *<File/Save as>* in xml-format.

 Save

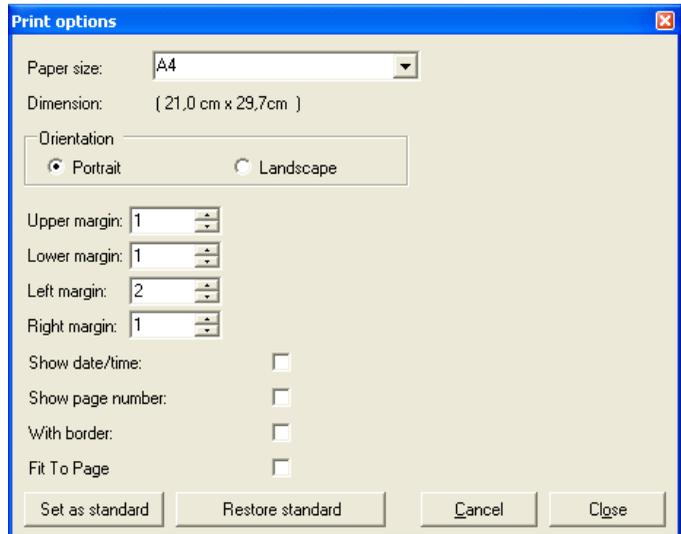Saves the currently opened configuration.

Save as

Saves the currently opened configuration under a different name.

 Print options

For individual settings of the page layout you find the following options in the menu *<File/Print options>*:

Paper size   Choose the size of the document to be printed.

Orientation   Here you can determine the orientation of the page.

Upper margin   Shows the distance of the printable area from

		the upper margin.
	Lower margin	Shows the distance of the printable area from the lower margin.
	Left margin	Shows the distance of the printable area from the left margin.
	Right margin	Shows the distance of the printable area from the right margin.
	Show date/time	Determines whether date and time should be printed on the scheme.
	Show page number	Determines whether the page number should be printed on the scheme.
	With border	Determines whether the border should be printed on the scheme.
	Fit to Page	Fits the whole drawing into one page.
	Set as standard	Sets the determined settings as standard.
	Restore standard	Restores the settings which were saved as standard.
Preview		Shows the graphical scheme in the page preview. The page preview can be reached via the menu option *Preview* and, if necessary, settings for printing can be changed.
Print		Via the menu option *<File/Print>* you can print the graphic scheme. An upstream menu offers the possibility to choose a printer.
Export		Via the menu button *<File/Export>* you find several export possibilities:
	Product list	This menu option offers the possibility to export a scheme of all products which were determined during the configuration into a file with the format *.xls, *.txt, *.csv or *..dat.
	Graphic to file	Via this menu option *<Export/Graphic to file>* you have the possibility to export your scheme into a graphic file with the format, *.emf. Then you can insert this graphic into another document, e.g. a word-file.
	Overview to clipboard	You can also insert the graphic scheme directly out of the clipboard into another document. To do this, use the menu option *<Export/Overview to clipboard>*. Afterwards change to the application into which you want to insert your scheme and press the button **Strg** + **V** inside the text space.

Functions for Adapting the Graphic Display

For adapting the graphic design of your configuration the menu *Operating* offers a variety of options:

Cut

Cuts out elements selected on the drawing area.

Copy

Copies elements selected on the drawing area.

Paste

Inserts elements which were previously copied or cut out on the drawing area into the drawing area.

Delete

Deletes elements selected on the drawing area.

Select all

Selects all existing elements on the drawing area.

Clear drawing

Delets the current drawing page.

Order

Foreground

Shifts selected elements on the drawing area into the foreground.

Background

Shifts selected elements on the drawing area into the background.

Mirror

Horizontal

Mirrors selected elements on the drawing area horizontally.

Vertical

Mirrors selected elements on the drawing area vertically.

Text position

Right

Displays the text for all selected elements of the drawing area on the right side.

Left

Displays the text for all selected elements of the drawing area on the left side.

Top

Displays the text for all selected elements of the drawing area above the symbol.

Bottom

Displays the text for all selected elements of the drawing area below the symbol.

All functions of the Operating menu can also be reached via the toolbar. For selected elements, these functions can be called additionally by pressing the right mouse button.

The View Menu

Via the View menu the display in the **Editing mode Configuration** can be influenced. The following options are possible:

Page break	Fades the page break preview on the drawing space in or out.
Grid	Fades the grids on the drawing space in or out.
View enlarge	Enlarges the view step by step.
View reduce	Reduces the view step by step.
View select	Enlarges selected elements. To do this, draw with the left mouse button pressed a marking around the elements which are to be enlarged.
View complete	Displays all elements which were inserted in the drawing space on the screen.
Last view	Restores the previous view.
Next view	Restores the next view.

Functions in the Extra Menu

Product text

Under **Product text** you can select the language in which the product texts in *Visual Project Configuration* should be displayed. Not only the texts in the graphic display of the configuration but also all product texts in the component selection and in the product line summary will be displayed in the selected language.

Options
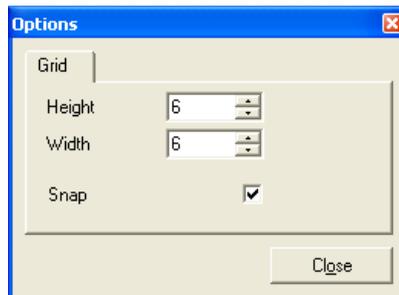
Under options you can change the settings for the grids on the drawing space:

Height	Changes the vertical distance between the grids.
Width	Changes the horizontal distance between the grids.
Snap	Activates and deactivates the function for aligning elements with the next grid lines.

The Window Menu

Via the Window menu you reach the three different editing modes of *Visual Project Configuration*: **Configuration**, **Component Selection** and **Product Line Summary**.

The Help Menu

By clicking on the question mark symbol on the menu bar, you get into the Help menu of *Visual Project Configuration*. Here you find the following functions:

Manual
: Via the menu option Help you can open this manual as an online-documentation on your screen. Prerequisite for this funciton is an installed version of the Acrobat Reader on your PC.

Homepage
: Via the menu option Homepage you get to the Visual *Project*® - homepage. Here you find the latest information concerning our products. Furthermore, customers with a maintenance contract have the possibility to download the latest program changes and updates.

Support
: If you click on this menu option, a window will open in which you find our complete address, telephone and fax number, our internet address as well as the e-mail address of our support.

Feedback
: Via the menu option Feedback you have the possibility to send an e-mail to our support. Hereby, you can directly ask questions, make proposals and criticise.

Info
: If you select the menu option Info, a window will be opened in which the **name of the program**, the **version number** and the **revision number** as well as the **date of the last program update** will be displayed.

Furthermore, you can read in this window your **licence number** and your **licence entry**. Keep those information always at hand if you contact our support.

Designing a Configuration in the Graphical User Interface of Visual Project Configuration

Insert and Edit Elements in the Drawing Window

Visual Project Configuration is opened in the editing mode configuration after the start. Here you can create your configuration on the drawing space.

Insert elements
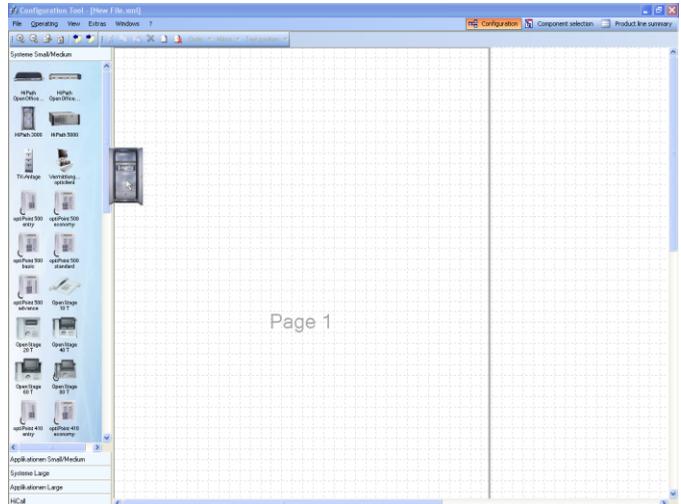
For inserting elements select a symbol on the components bar (left side) and drag it with the left mouse button pressed onto the drawing space in the middle of the window.

Change properties   In order to change the properties of the element, click either:

☑   twice with the left mouse button on the inserted document

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No backup operation

☑ or with the right mouse button on the inserted element and afterwards on **Properties** within the displayed menu.
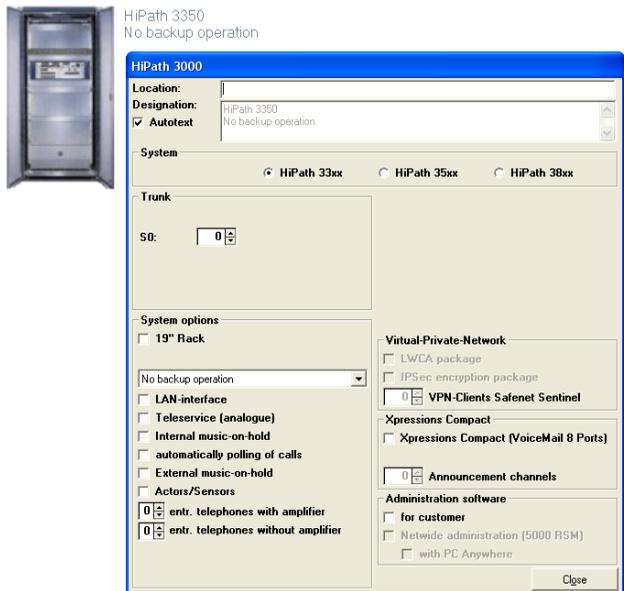
In the Properties menu you can define or change several properties of the element. Depending on the selected symbol, the properties form can contain different options.

Connecting elements

If you want to connect these elements with each other, first select one of the two elements by clicking at it. Afterwards click with the left mouse button on the guy anchor in the middle of the element and drag the shown line to the element that should be connected.

The corresponding connection will be created and type and number of the interfaces needed will be shown.

In order to change the course of the connection line, select the connection line by clicking at it. Drag the line with the left mouse button pressed at one of the markers into the desired direction.
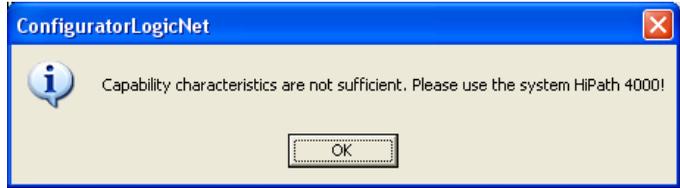
While connecting the elements, a technical-logical check concerning the availability of the selected interfaces is done in the background automatically. In case the configuration is technically impossible, a message is displayed.

Display interface status
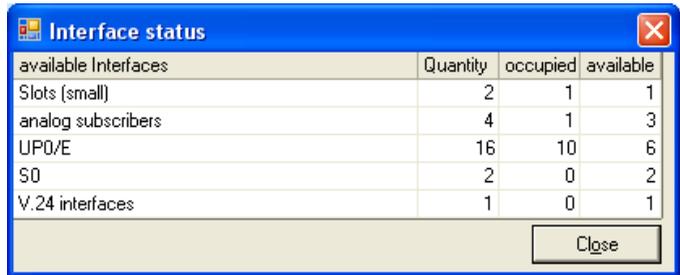
The interface status provides a detailled outline about the availability of all interfaces existing in the selected element. In order to display the interface status for a selected element, click with the right mouse button on the inserted element and afterwards on **Interface status** within the displayed menu.

View and Edit Configuration Results in the Component Selection

Via the button **Component Selection** you get into the component selection of *Visual Project Configuration*.
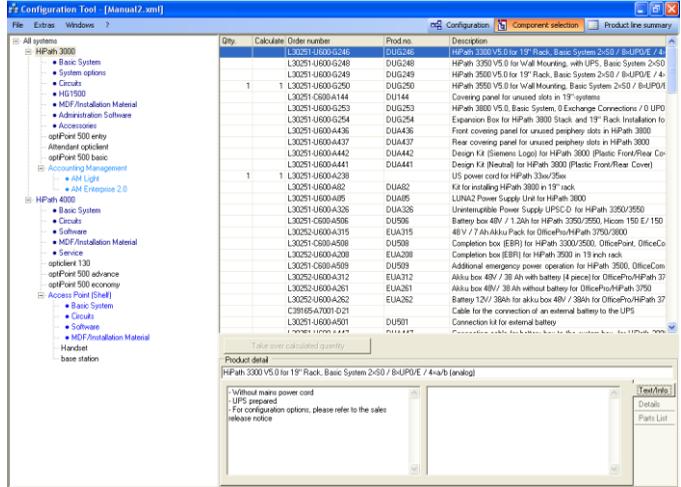
The component selection contains a list of all elements and products which are available in the configured system.

The component selection is divided into three areas:

Component-Explorer

In the component explorer on the left side you find a hierarchical order of all components determined during the configuration.

Product list

In the product list which is on the right side of the component explorer, you see all products which belong to the selected component in the component explorer and to the sub-components underneath. For all products which were determined during the configuration the quantity and the quantities calculated during the configuration are displayed.

Changing the quantity

If you double-click on the corresponding field in the column **Quantity**, you can enter a quantity which is different to the calculated quantity. A technical-logical check is not carried out in this case. The manually changed values are highlighted in red.

In order to undo a manual change of the quantity, click on the button **Take over calculated quantity**. The quantities which were determined during the configuration will be taken over.

Product details

Under product details all details concerning a selected product in the product list will be displayed.

This area contains fields for the designation, the description and technical information concerning the product selected in the product list.
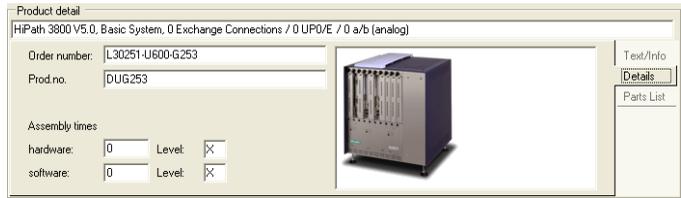
Under *Details* you find several details concerning the selected product.

Order number: Order number of the manufacturer/supplier.

Prod.no. Product number

Assembly times Assembly time for hardware or installation time for software in hours as well as degree of difficulty for the assembly or installation.

Picture Picture concerning the product.
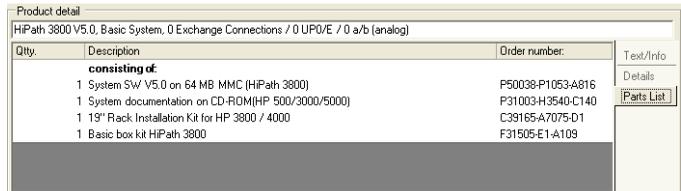
The area *Parts list* contains the parts list display of the selected product.

Take Over Configuration Results into a *Visual Project ®* Offer

Via the button ***Product line summary*** you get into the product line summary of *Visual Project Configuration*. From here, the configuration results can be taken over into an offer of Visual *Project ®*.

In the product line summary you find a summary of all products which were determined during the configuration. Concerning every product the **Quantity**, the **Calculated quantity determined during the configuration**, the **Product number** and the **Designation** are displayed.

In the column *Quantity* the **Quantity** for the single products is displayed. It is the same as the calculated quantity if no differing quantity was inserted in the Component Selection.

Changing the quantity

In the Product line summary it is also possible to change the quantity. To do this, double-click on the button of the corresponding line in the column *Quantity*.

If the quantities which were determined during the configuration are to taken over into your offer, you can undo the manual change by clicking on the button ***Take over calculated quantity***.

Taking over products into an offer

In the product line summary you have the possibility to take over all displayed products with the quantities belonging to them into a Visual *Project* ® offer.

☑ Take over captions to offer

By ticking or deleting the option **Take over captions to offer** you can determine whether the headlines of the outline should be taken over into the offer, too.

For taking over the products into an offer, click on Take over. Visual Project Configuration will be closed and products will be read into your Visual Project ® offer.

If you want to close *Visual Project Configuration* without taking over the configuration results, then click on **Close**.