

ELCAD/AUCOPLAN 7

News In 7.5.0

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1 New Features of ELCAD/AUCOPLAN 7.5.0

With ELCAD / AUCOPLAN 7.5.0 you get a version that contains many innovations and improvements. For this purpose AUCOTEC has analyzed your requests and has put together the most important points in version 7.5.0. As always, the most prominent extensions are the compatibility of your data and easier handling.

With ELCAD/AUCOPLAN 7.5.0 we have succeeded in rendering many editing steps even more efficient and to further facilitate the operation.

Moreover you will find a detailed documentation of the errors eliminated in version 7.5.0 in the readme files of the installation CD.

1.1 General Innovations

1.1.1 Release for Windows Server 2008

With ELCAD / AUCOPLAN 7.5.0 the operating system Windows Server 2008 ® is now supported and enabled for this product family. Please refer to the information on the product CD for peculiarities of the installation and operation under Windows Vista ® and Server 2008.

In return the support of the Windows 2000 operating system is discontinued with version 7.5.0.

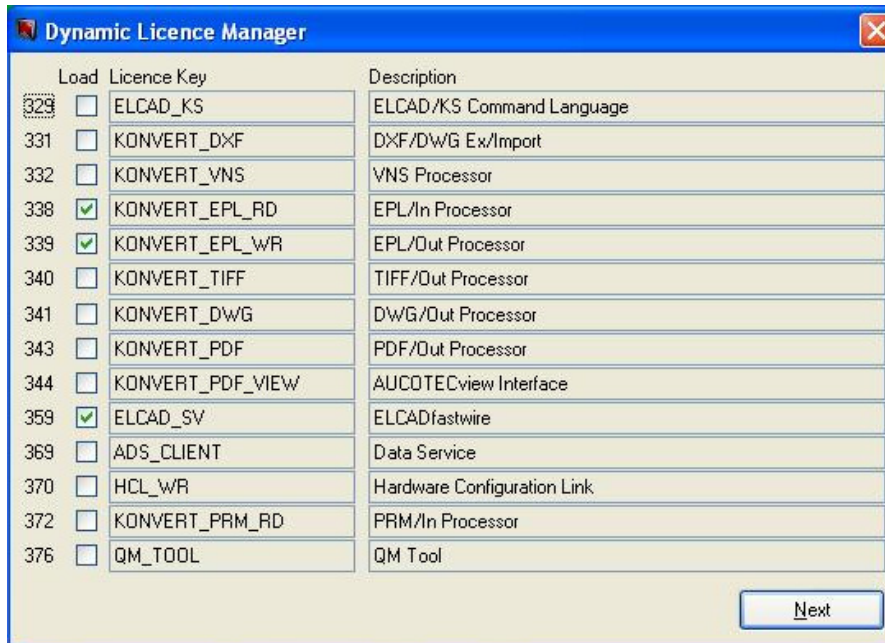
1.1.2 MSI Setup for ELCAD/AUCOPLAN

To further technologically update ELCAD/AUCOPLAN, in addition to the familiar installation there will be an MSI setup that enables users with many licenses to optimally adjust the installation to their requirements.

Should you be interested in this solution, please contact AUCOTEC.

1.1.3 Dynamic License Manager for Flying Licenses

For users of flying licenses, with version 7.5 a new dynamic license manager is available. The dynamic license manager can be optionally used and permits you to choose at the start of ELCAD/AUCOPLAN which license modules you want to request and skip respectively.



Likewise you can individually specify the scope of the selection list. The program automatically stores your last selection and offers it anew with the next start.

1.1.4 Optional Long-Term Archiving with PDF/A or Intelligent PDF

With version 7.5.0, the PDF output of ELCAD/AUCOPLAN has been adapted to the internationally standardized long-term archiving format PDF/A (ISO 19005-1:2005). This enables safe archiving of the design documentation. With PDF/A, all drawing elements and fonts are included in the PDF document.

If you select the option "Enable Navigation and Search" when creating compact PDF files, then "intelligent PDF" and thus **no PDF/A is generated**. The same holds for the file output to AUCOTECview. As soon as you output navigation information, this does no more meet the requirements of the ISO standard.

1.2 New Features in Drawing Editing

1.2.1 Zooming and Panning of Drawings

With version 7.5.0, the editing of zoomed drawings is further facilitated. Just move the drawing section with the pressed middle mouse button.

Alternatively you can move the drawing section also with the scroll bars arranged below and to the right of the drawing. If you do not need the new functionality, you can of course also just deactivate it.

1.2.2 Extension of the Text Status to about 1 Million Texts per Sheet

To enable the creation of drawings with a large number of complex logical symbols, the number of maximally possible symbol texts per sheet has been increased to one million.

1.2.3 Data Transmission via Connections

You can now exchange information between single I/O symbols and connected end devices via connections.

The transfer function is activated by closing a drawing where single I/O symbols are displayed. When opening a sheet where I/O symbols or their end devices are displayed, the I/O symbols or end devices are updated. The transfer function can also be started manually.

The I/O symbols must have the symbol type 6. You can specify individually which contents are to be transferred.

1.2.4 Snap Function in the Layout

With ELCAD/AUCOPLAN 7.5 you can specify capture ranges that force symbols and macros to be placed on defined lines as soon as the symbols approach the capture range.

Within the capture range catch lines automatically have priority over the specified grid. This makes e.g. sense when creating layout drawings that require a placement different from the specified drawing grid.

1.2.5 Integrating Command Line Commands into the Toolbar

With ELCAD/AUCOPLAN 7.5 you can now create arbitrary commands and command chains of the command line as menu items and integrate these menu items into your toolbar. You can create a maximum of 99 menu items for the command line commands. You can assign an individual icon to each menu item.

1.2.6 Optionally Copying I/O Information Together with Drawings or Clearing It

With ELCAD/AUCOPLAN 7.5 you can specify before copying drawings whether or not you want to simultaneously copy the I/O components contained in the drawings.

For this purpose click with the right mouse button on the project in the Drawings tree, then use the menu item "Keep I/O Information on Copying" in the context menu to specify your intended method of operation.

In the copying process the absolute and symbolic operands, the operand comments as well as the operand identifiers and start addresses are then not accepted. This prevents e.g. operands to be assigned in duplicate when copying parts of the same project.

1.2.7 Simplified Material Selection

To simplify the material selection you can now combine filters and S keys for material selection. Thus the material selection is considerably accelerated if the amount of master data is large.

For this purpose actuate the button [...] behind the part numbers when editing symbols.

1.2.8 Direct Editing of the Master Data

When editing symbols in the circuit diagram it is now possible to edit the master data parts from the symbols of the circuit diagram.

For this purpose actuate the button [#] behind the part numbers when editing symbols.

1.2.9 Creating Windows via Rectangles

Windows that up to now could only be defined via a polyline can now also be generated via a rectangle.

1.3 New Features in Project Editing

1.3.1 Comfortable Copying from Templates

With version 7.5.0, copying single or several drawings from template projects becomes considerably more comfortable.

For this purpose you find a new tab "Templates" in the object tree. The "Original Project" and the "External Project" from the settings are already specified here. You can add up to 20 additional template projects.

Use the tab "Templates" to select drawings or a group of drawings that you wish to copy, and reinsert them into the working project.

If it occurs frequently that you want to insert the same drawings repeatedly one after another, you can activate this function. The drawings then remain in the ELCAD clipboard after each insertion. Normally they are deleted after each insertion step.

It is not possible to simultaneously copy from several different projects.

1.3.2 Extended Archiving

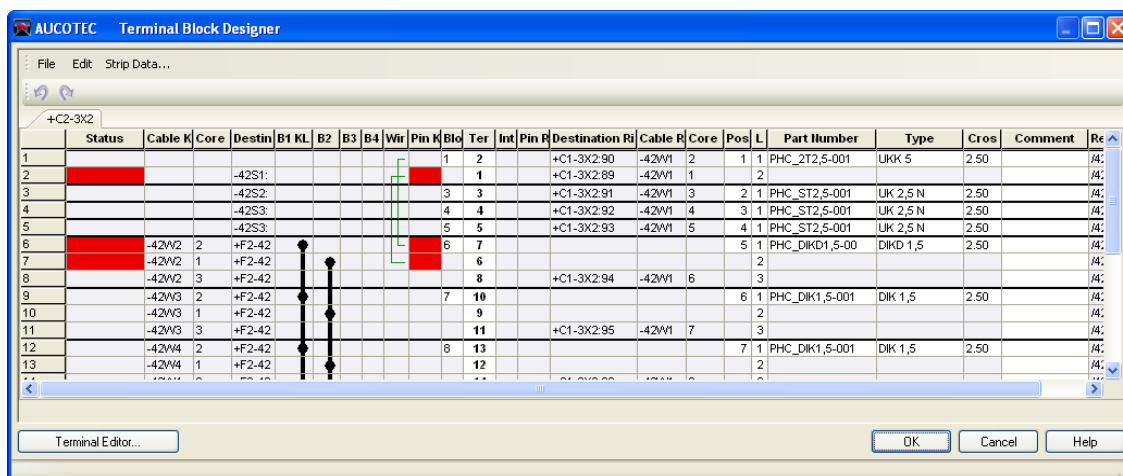
At the request of many, the project archiving routine has been extended by the adoption of formats and standard texts. Moreover symbol names that were e.g. stored for specification symbols, symbols from master data as well as translate texts from revisions and macros are now also archived if required.

The checking routines for the project check and for archiving have been standardized to ensure equivalent results.

1.4 New Features in Terminal Editing

1.4.1 Terminal Block Designer

With ELCAD/AUCOPLAN 7.5, apart from the familiar terminal editor an up-to-date method for terminal editing is available – the Terminal Block Designer. Thus you are able to supplement the terminal data from the circuit diagram in an easy manner.



In the Terminal Block Designer, the terminals are displayed in a grid. The setup of the terminal block is carried out analogously to the terminal diagram. You can adjust individually which columns are displayed or hidden.

The Terminal Block Designer is started at the terminals of a drawing or the terminal diagram and the terminal blocks in the item tree.

You can reserve and delete, freeze and unfreeze terminals, exchange destinations and cut and paste terminals or blocks. You can assign part numbers to the terminals and can add and manage additional materials such as separation plates and closing mounts. Another novel feature is the possibility to undo changes with the Undo / Redo function.

The Designer represents the various kinds of bridges. If problems are recognized for certain terminals, then these terminals are marked.

1.4.2 Multi-Column Terminal Diagram

With version 7.5 it is now possible to design compact, multi-column terminal diagrams. The code numbers and extensions required for this purpose are already integrated and documented. However, since this complex subject is suitable only for professionals in advanced symbol design, we recommend that in case of need you graphically design a sample diagram and then realize the job with the support of the AUCOTEC Service Center.

1.5 New in Symbol Design

1.5.1 Exchange Texts with Code 1002

For the automation of multilingual translations, the code number 1002 was extended by the function "Exchange Texts".

Using the code 1002, you can now copy texts into a target dialog and simultaneously exchange them during copying. Several exchange functions are possible at the same time. The maximum length of the code is still 58 characters, however.

The above-mentioned functional extensions are also valid for the code numbers 1005, 1007 and 1013.

1.6 New Features in Translate Editing

1.6.1 Translate Editing of ODBC Translate Files

In the Translate working area ODBC data sources are now also displayed and can be directly edited from this point if the required application (e.g. Excel) is installed on the computer.

1.7 New in ELCADmaintenance

1.7.1 Inserting an Empty Page

With version 7.5, you can now create an empty redlining page when using ELCADmaintenance for editing. The drawing created in this way is marked in the tree, and the sheet designation follows a specified syntax. These drawings cannot be re-named in ELCADmaintenance but they can be deleted.

When you re-edit these drawings with ELCAD/AUCOPLAN, then you can no longer subsequently delete them in ELCADmaintenance.

1.8 New Interface Features

1.8.1 Configurable Margins for PDF Output

At the request of many you can now also specify printing margins for the PDF output.