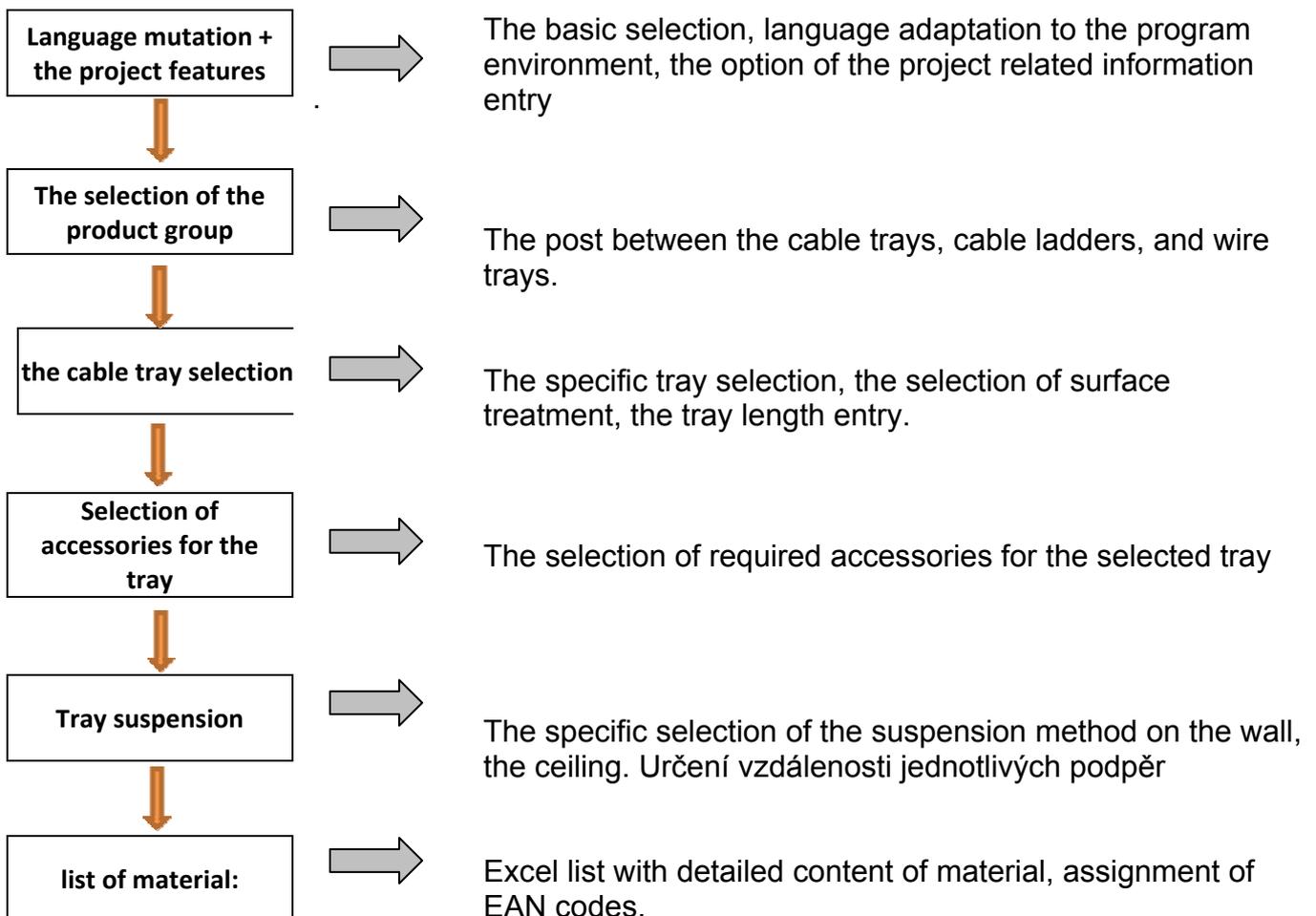**Written by: Jiří Němeček, Product Manager**
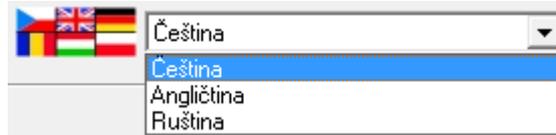
Configurator KNS

The program goal is to provide the customer with greater comfort during work with products from KOPOS. The program operates with the product portfolio of cable carrying systems. It is very intuitive, clear, and user friendly. The basic idea of the program is to create simple lists of materials, lead the user in simple steps to select cable trays as per the customer requirements, and at the same time preventing the overloading with detailed information on individual products such as the mat, etc.

The configuration KNS suitably calculates all individual items, such as the lids, hinges, connecting material, all within the required tray length specified by the customer. The basic output of the program should be a complete list of material to be used as the material for order.

The program scheme :

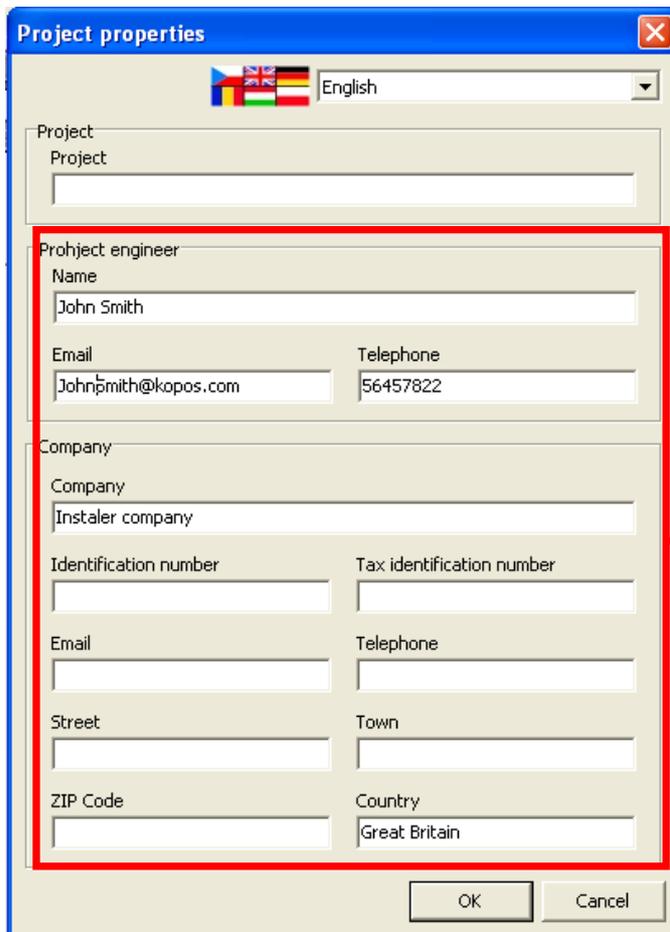|	
Language mutation + the project features	The basic selection, language adaptation to the program environment, the option of the project related information entry
The selection of the product group	The post between the cable trays, cable ladders, and wire trays.
the cable tray selection	The specific tray selection, the selection of surface treatment, the tray length entry.
Selection of accessories for the tray	The selection of required accessories for the selected tray
Tray suspension	The specific selection of the suspension method on the wall, the ceiling. Určení vzdálenosti jednotlivých podpěr
list of material:	Excel list with detailed content of material, assignment of EAN codes.

Language selection – the basic filter which specifies the language of further displayed item titles, individual possible solutions, and the product names.

The selection should contain the options below: Czech, English, Russian, German, Polish, Hungarian, and Romanian. The language options will be gradually added.

Entering the project features, information on the designer – it includes the option when the customer can name the project in dependence on his/her requirements.

Once the information is entered the specific computer will include the display even with repeated program start.
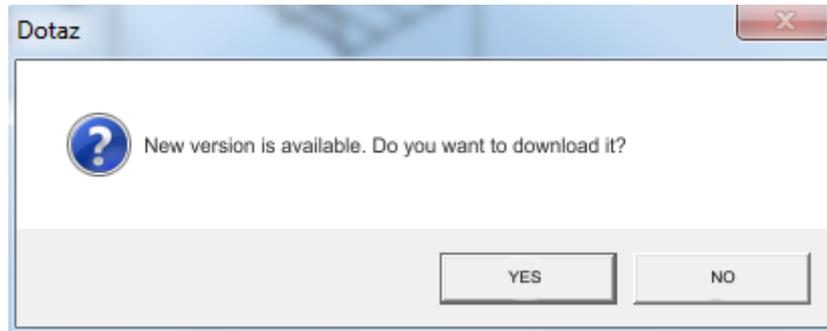
The customer will simply create the information header to be reflected into all lists created in this program.

The only thing to be changed by the customer, if required, this the project name to be transferred after the repeated program start.

Written by: Jiří Němeček, Product Manager

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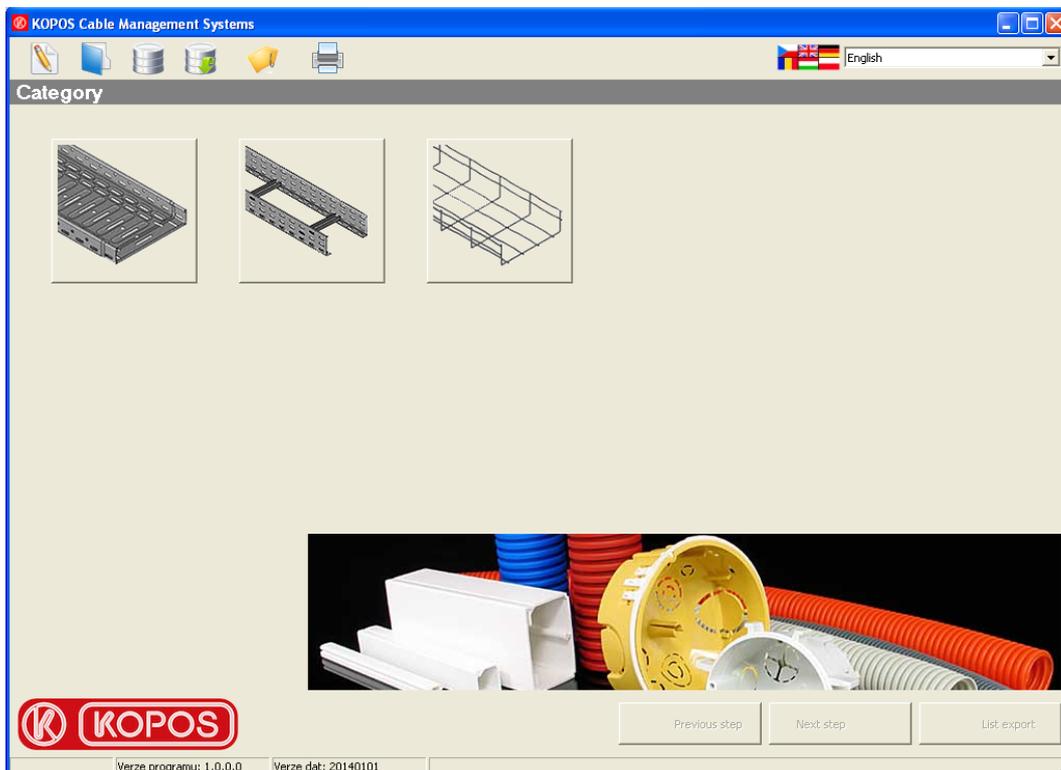**Havlíčkova 432**
CZ – 280 94 Kolín a IV

Question as regards possible program update.

After entering the project features, the customer sees the initial window where he/she can select the category to work with – see „Category Selection"

However, if your server includes updated version of the program data, the customer will be automatically offer the option to download the actual version prior to the category selection.
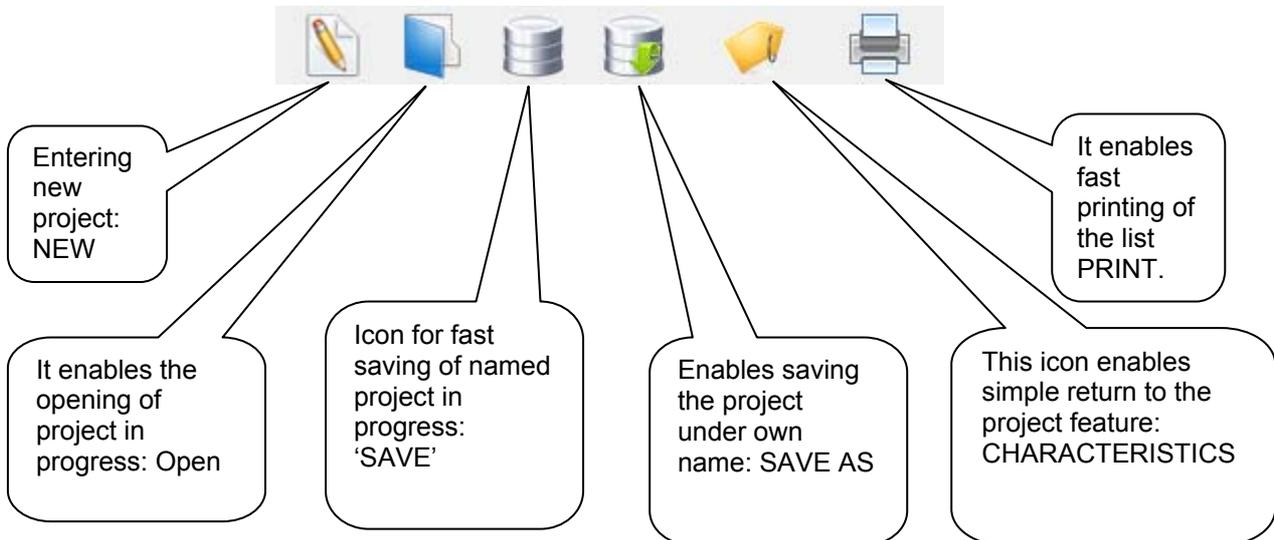

Category selection – the selection contains three options, i.e.: The cable trays, cable ladders, and wire cables.

Written by: Jiří Němeček, Product Manager

NOTE: The selection of one of three product groups specifies further steps of the program. In the cable trays the offer will differ to the cable ladders and wire trays. If the customer decides to select a different category during the next steps, and change the actual displayed offer, it is necessary to return to the page by means of buttons 'Previous year'

The initial page displays the advertising banner (the photographs are in the lower right corner), used for the promotion of our products, and at the same time for interactive link which can be used by the client to simply switch to internet pages www.kopos.cz

From this page, the left upper corner on the bar will display the below pictograms. The meanings are as follows:

Entering new project: NEW

It enables the opening of project in progress: Open

Icon for fast saving of named project in progress: 'SAVE'

Enables saving the project under own name: SAVE AS

This icon enables simple return to the project feature: CHARACTERISTICS

It enables fast printing of the list PRINT.

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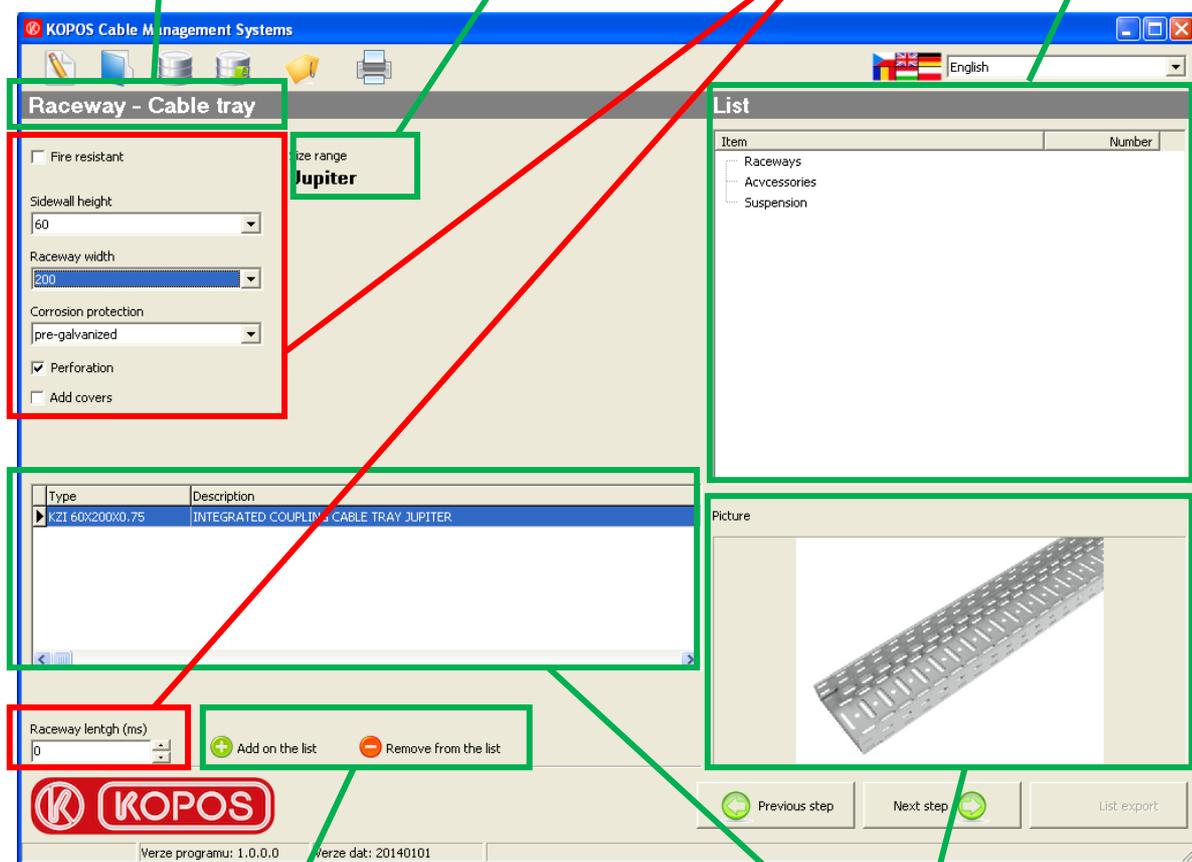
CATEGORY - The selection of the product line

After the category selection „**Cable trays**" the page below will display for the customer. The customer can enter only the red indicated parameters.

The basic orientation in the program (tray, accessories, **suspension**) and information on selected category (**KZ**, KL, DZ).

Information on the dimensional line. It switches automatically based on selected sidewall.

Parameters of the tray entered by the customer in preset options.

Continual information list.

Use the buttons to add and remove from the list but only if the tray length is entered. If we add 10m tray to the list – correct amount of connecting material and lids is automatically added if it includes the closed tray with the lids (check „add lid"). When the customer decides to remove 3m from the tray and keep only 7m tray, the length is set to 3m and the he/she presses the button for removal from the list.

Based on the above parameters, the offer is displayed to the customer compliant with the parameters including the display of the product.

Written by: Jiří Němeček, Product Manager

NOTE to the pervious page: The window where the filtered type and product name display for the customer, displays in most cases of the tray selection only one type of tray, ladder or a single wire tray. The reason is that usually only one solution complies with the entered filter. If this parts displays more options, for example two trays with the same parameters only with a different sheet metal thickness, then it is necessary to move the mouse to the tray required by the customer, and after entering the tray length and clicking on the button 'add in the list' the tray is entered including the connecting material and potential lids.

The figure can be enlarged by clicking on it. It then opens in a new window, and after clicking on the open window it closes.

The basic movement in the program is provided by buttons 'previous step' and 'next step'.

This part includes the buttons "Export of the list". The button is active after adding any product in the list. If the list is empty, it is not active. The printing of the list works identically; it can be activated by a button on the upper bar, see the notes to individual pictograms on page 4 of this document.
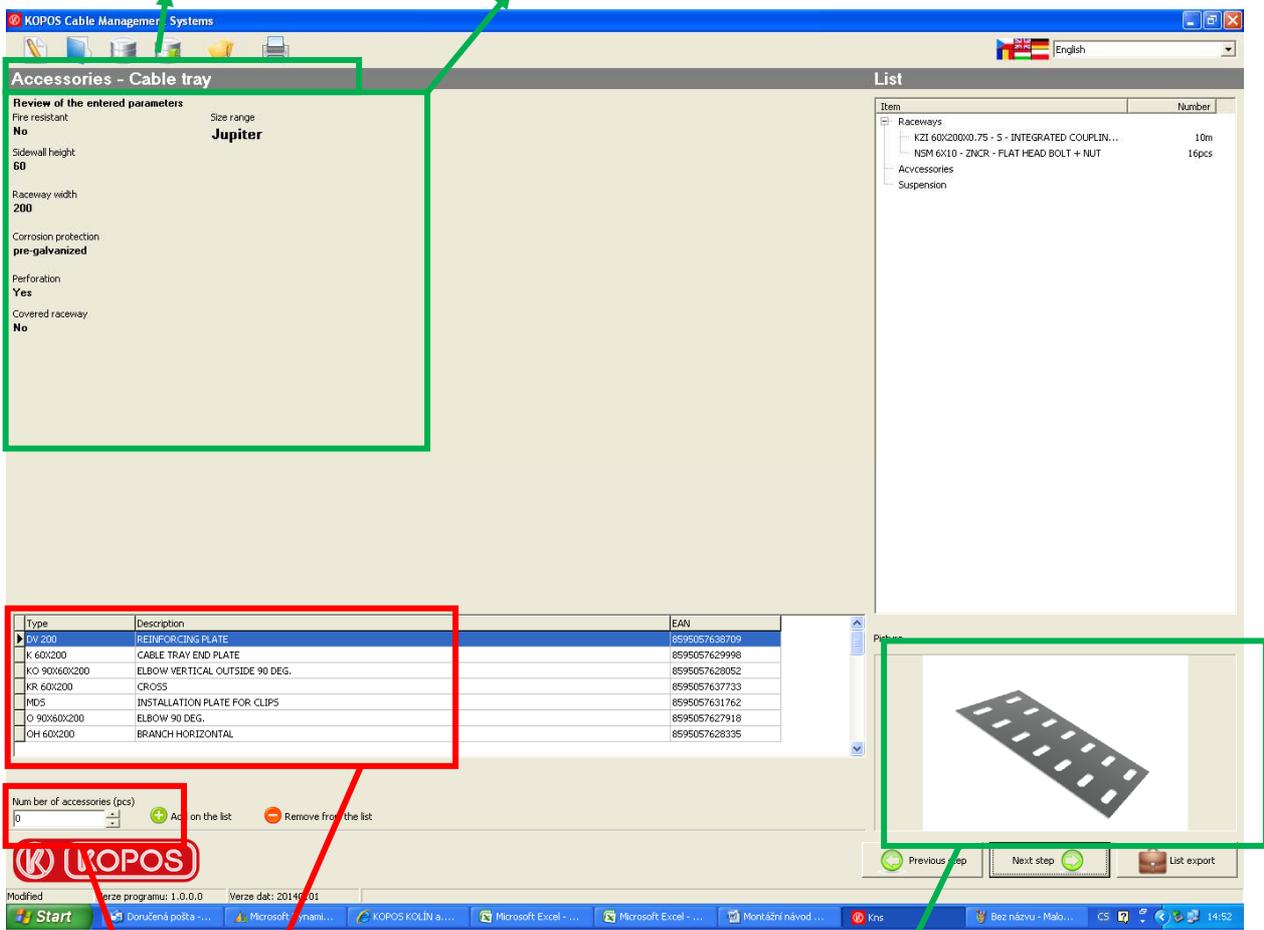
Since the data of the program will be gradually updated with new products, and some products will be eliminated, the program will display to the user the data version and program related information on the lower bar:

tel.: +420 321 730 111   e-mail: prodej@kopos.cz   Bank details: Account No.: 4102 – 151/0100   VAT No.: CZ61672971
fax: +420 321 730 890   www.kopos.cz   Komerční banka, a. s.   IBAN: CZ1901000000000004102151   ID No.: 61672971

The company registered in the Commercial Register administered at the Municipal Court in Prague, Section B, Insert 3689

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Selection of accessories – the selection of required tray components

The basic orientation in the program (tray, accessories, **suspension**) and information on selected category (**KZ**, KL, DZ).

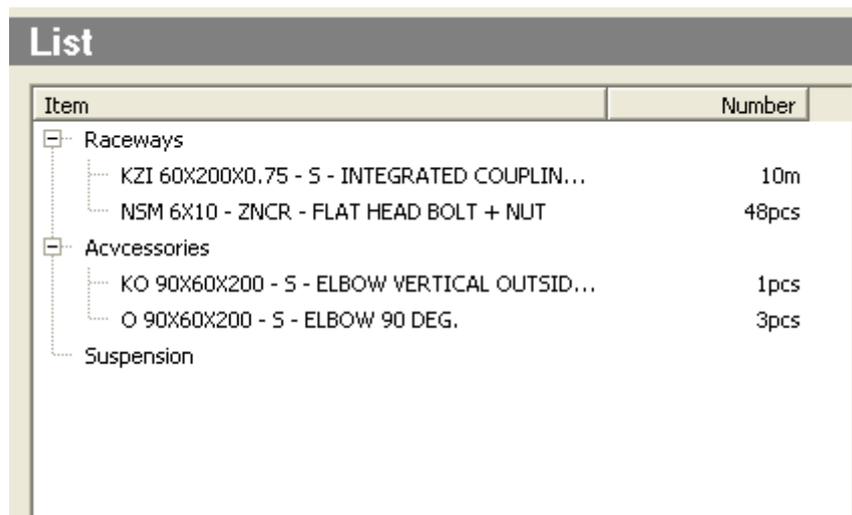Review of the parameters entered by the user in former step (page). Including information on the dimensional line.

Move the mouse to the required accessories and enter the number of pieces or meters required by the user. Then press button 'Add to the list', and material will be displayed in the list.
The accessories always comply with the tray dimension selected by the customer in previous step.

The figure changes based on the selected accessories. If you move the mouse e.g. on REINFORCEMENT PLATE, then the displayed figure will comply with the plate.

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Note: The list – continual list displayed in the program contains three chapters: **cable trays**, **accessories** and **suspension**. The list automatically includes the items which belong to the user selected system, such as the lids, connecting material, etc. In each further program step, the list is completed with the customer selected items so the assigned data complied with the tray length.

The continually displayed lists cannot be deleted and no items can be assigned or rewritten.   These functions are enabled by the final list exported by the program to Excel.
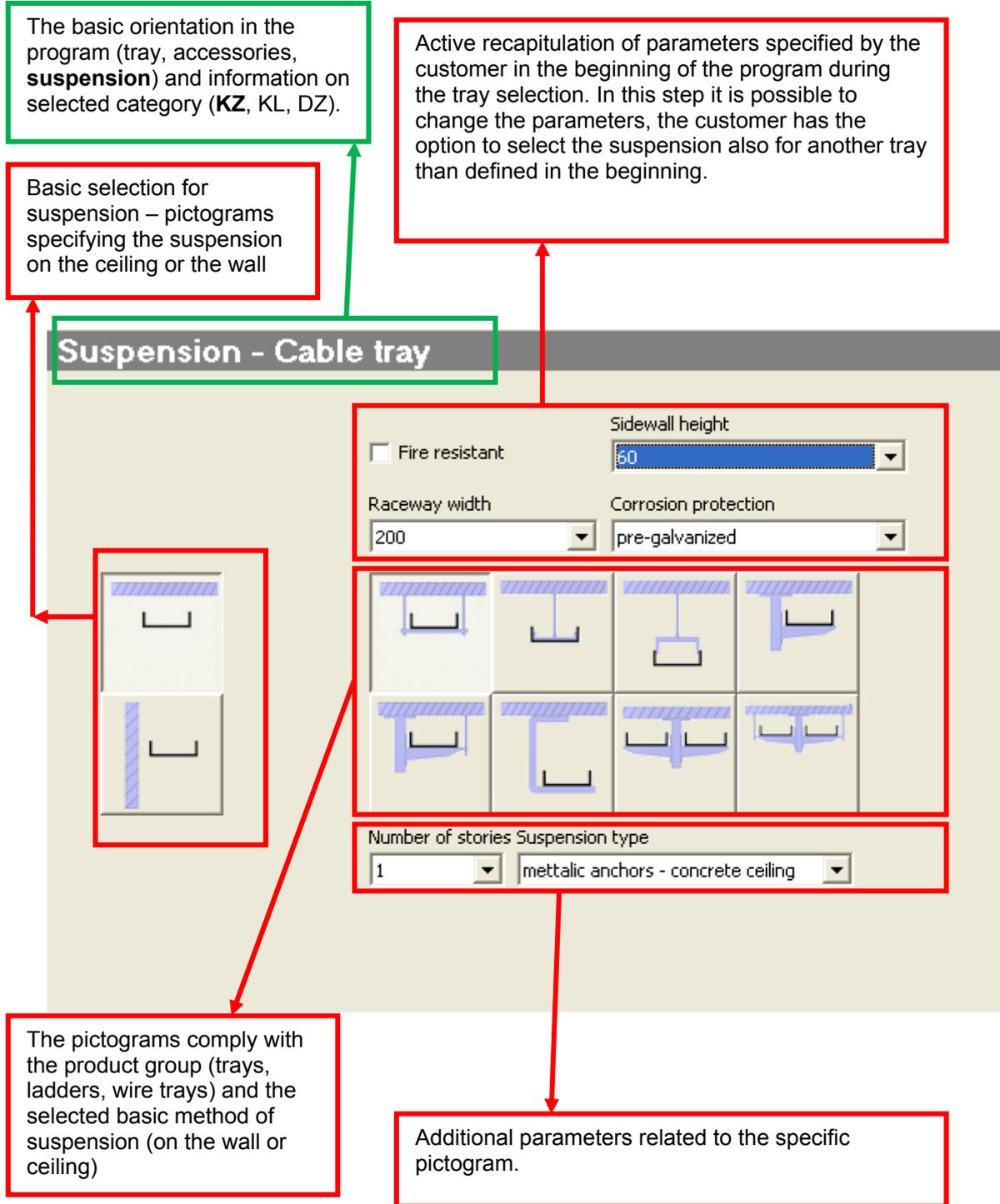

Selection of the suspension – it includes the last step during the tray planning.

In this step, the Configurator KNS offers all suspension options compatible with pre-selected tray.

The parameter recapitulation from the basic assignment at the route is reflected in this step. Unlike the selection of accessories, it is possible to change the setting. This option is suitable in case the customer skipped the previous years, and requires only the selection of the tray suspension.

Defining the suspension method is performed simply by means of pictograms.
The basic two pictograms in the left part specify if the tray is to be suspended on the ceiling or the wall. After clicking on one of the pictograms, a group of pictograms is displayed compliant with all methods which are applicable for the tray assigned in the parameters. It may happen that the no suspension is defined for the specified tray. The program indicates the pictogram without defined suspension by not displaying the options for the parameter details for the specific suspension after clicking.

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fax: +420 321 730 890   www.kopos.cz   Komerční banka, a. s.   IBAN: CZ1901000000000004102151   ID No.: 61672971

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The basic orientation in the program (tray, accessories, **suspension**) and information on selected category (**KZ**, KL, DZ).

Active recapitulation of parameters specified by the customer in the beginning of the program during the tray selection. In this step it is possible to change the parameters, the customer has the option to select the suspension also for another tray than defined in the beginning.

Basic selection for suspension – pictograms specifying the suspension on the ceiling or the wall

Suspension – Cable tray

Fire resistant

Sidewall height
60

Raceway width
200

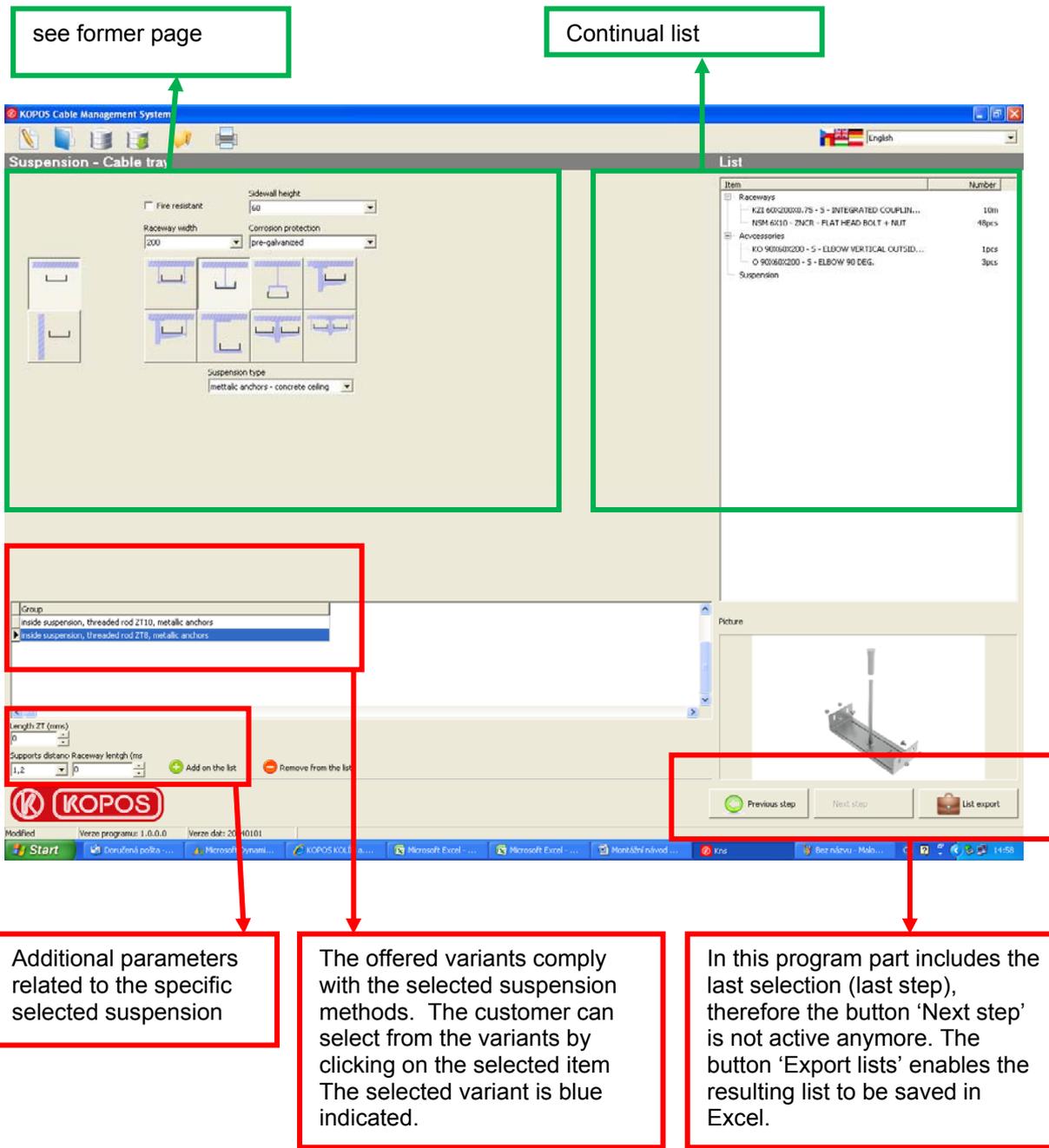Corrosion protection
pre-galvanized

Number of stories   Suspension type
1   mettalic anchors - concrete ceiling

The pictograms comply with the product group (trays, ladders, wire trays) and the selected basic method of suspension (on the wall or ceiling)

Additional parameters related to the specific pictogram.

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When the customer selects the suspension method by means of pictograms, it is necessary to select one of the offered variants and set additional information related to the specific suspension.

The tray is complete including the suspension. Now the customer can save the project, print or export to Excel.

see former page

Continual list

Additional parameters related to the specific selected suspension

The offered variants comply with the selected suspension methods. The customer can select from the variants by clicking on the selected item The selected variant is blue indicated.

In this program part includes the last selection (last step), therefore the button 'Next step' is not active anymore. The button 'Export lists' enables the resulting list to be saved in Excel.

Written by: Jiří Němeček, Product Manager

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PROGRAM DISTRIBUTION

The program is used for the support for the sale of cable carrying systems. It is available on internet pages www.kopos.com in section „technical support", or directly on link KNSsetup (knskonfig.kopos.cz/KNSsetup.exe). During the program installation, no registration is required.

If the program was started on computer connected to internet, it will find out if our pages include the updated program version or updated data version, and offer to the user new program version for downloading. The program update is completed by re-installing the full program.

The basic location of the program in computers with WinXP is „Program Files\Kopos\KNS", in case Win7(32bit, 64bit) it is „Program Files(x86)\Kopos\KNS. The user can select the location during installation. The program is tuned for the operating system Windows XP , Windows 7 (32bit, 64bit) and Windows 8.