



TRITEC

energy for a better world

**USER MANUAL
TRI-DESIGN**

Version 2.0 | March 2012

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OVERVIEW

Software

The TRI-DESIGN software is a software developed by TRITEC for the dimensioning and calculation of photovoltaic systems. The program and its integrated calculation and design information provide support for project engineering and the preparation of offers. The TRI-DESIGN software allows any photovoltaic systems to be planned easily, quickly and efficiently, in terms of module selection, mounting systems and inverter.

Functions

The TRI-DESIGN software has the following functions:

- Simple project management
- European-wide location determination with deposited irradiation values
- Available language versions: German, English, French, Italian, Spanish, Slovene and Croatian
- Planning and calculation of TRITEC photovoltaic mounting systems TRI-STAND, TRI-STAND Aero, TRI-ROOF and TRI-VENT. They comprise solutions for pitched and flat roofs with different installation types, for roof integrated PV systems and building exteriors.
- Automatic calculation of mounting proposals for the designed roof surface
- Preparation of a BOM (Bill of Materials) of all modules and installation components including inverters for a PV system
- Clearly arranged display and export of all results

Special Feature

The TRI-DESIGN software presents an integrated solution which enables the complete handling and processing of a design according to standards. Another special feature is its export functionality. It enables the user to edit, export and directly send the BOM for all necessary components to TRITEC. This functionality simplifies the design of solar systems and thus allows even more efficient work.

INSTALLATION

System Requirements

In order for the software to run optimally, the following system requirements must be met:

- Min. 800 MHz PC
- Min. 512 MB RAM
- Min. 100 MB free hard disc space
- 1024 x 768 monitor resolution
- Microsoft® Windows XP/Vista/7
- Microsoft.NET Framework 4.0

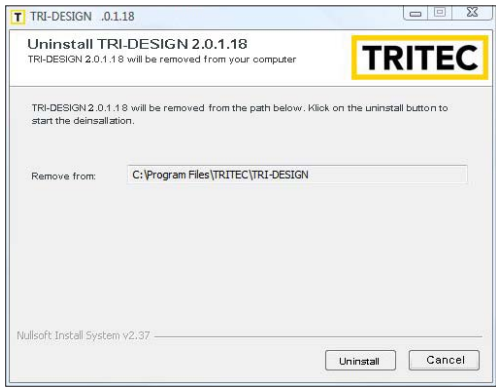
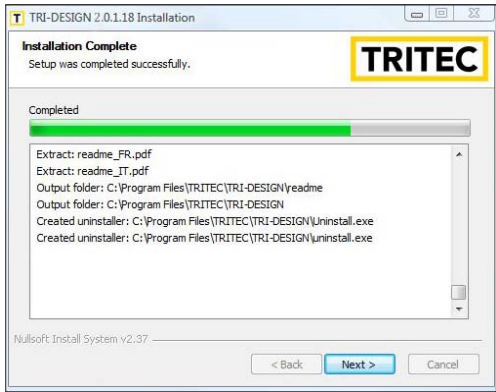
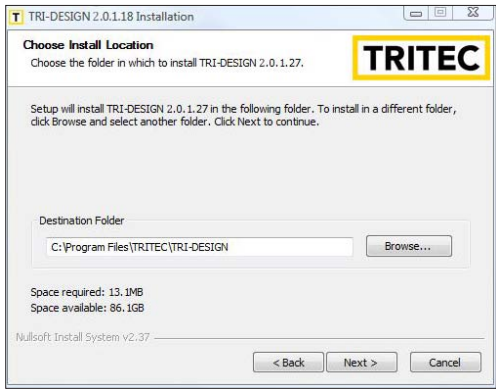
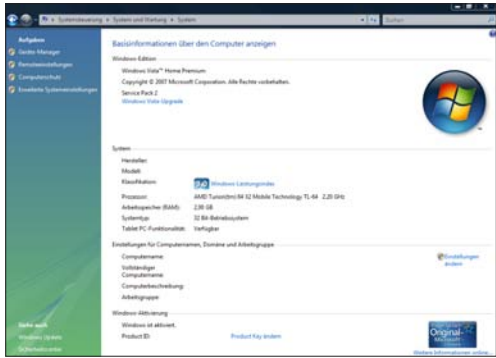
Setup

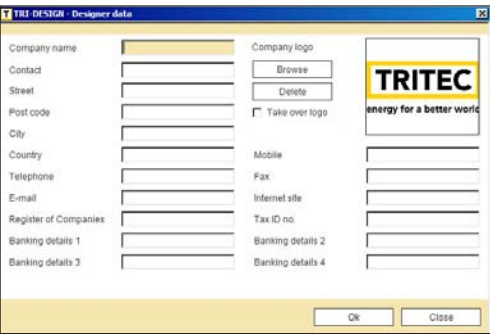
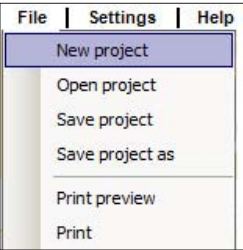
Start the installation by double clicking on the file *Setup.exe*. We recommend to close all other applications during the installation so that system files can be replaced without restart. After selecting the save location for the program and program files, a Start menu folder can be selected where the link to start the program is created.

Clicking on *Continue* starts the installation of the program on the computer. You can quit the software setup at any time by clicking on *Cancel*. Installation of the program and copying of the files may take some time. This step completes the installation of the TRI-DESIGN software. The last window allows you to choose whether the software should be started immediately or at a later time manually. Registration with the license number is required to be able to use all features of the software to the full extent. You can obtain this license number via www.tritec-energy.com. In this respect, you will obtain detailed instructions in the menu item *Help*.

Uninstalling

In order to remove the program completely from the computer, you will have to uninstall it in the control panel. Click on the Start button of the task bar, then the button *Software* (Windows XP) respectively *Programs and Functions* (Windows Vista). Clicking on the TRI-DESIGN program and then on *Uninstall* opens the wizard to remove the program. Finally, clicking on *Uninstall* in the appearing window removes the program and all related files from the computer.





FIRST STEPS

Language

The program can be used in German, English, Spanish, French, Italian, Croatian and Slovene. Click on the corresponding language abbreviation on the top right side of the display to select the desired language setting.

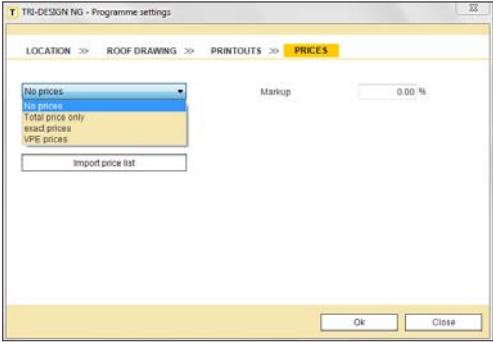
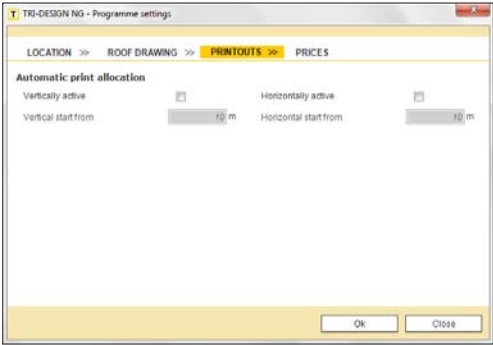
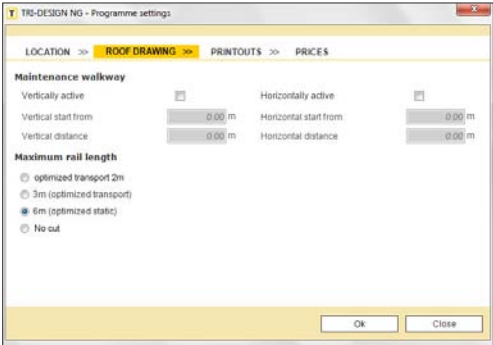
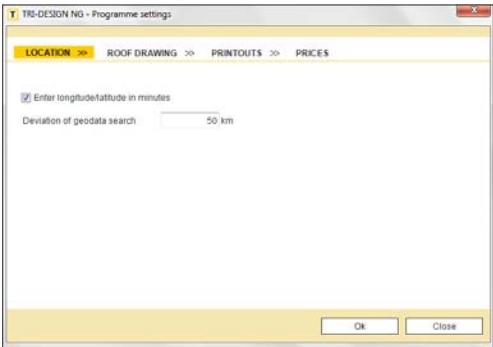
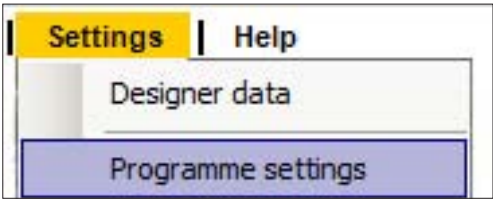
File

TRI-DESIGN enables you to simultaneously plan several PV systems. The data of each project can be stored and retrieved again at a later time. Click on *New project* to set up a new project; to open already existing projects, click on *Open project*. When saving a project for the first time, you must select a save location and file number under *Save project*. Clicking on *Save project* saves the project in its current condition and replaces the existing file. It is recommended to secure every newly set up project with *Save project* directly at the desired save location. While dimensioning, the file should generally be saved at regular intervals. Entire projects can also be printed out with design plan, company and customer data, prices as well as the bill of materials. Optimum subdivision of the printouts is explained in the menu item *Program Settings*.

Settings

Designer Data

Information may be entered under *Designer data* concerning the company which had been charged with the dimensioning as well as the contact partner. They are shown in the printout of the project. In the case of several designers in one company, entering the editor here can show which project was edited by whom. In addition to details of the company, you can also integrate a company logo. Clicking on *Browse* under the heading *Company logo*, you can select and add the corresponding image file. Upon activation of the window *Take over logo*, the corresponding image is shown in the printout.



Programme Settings

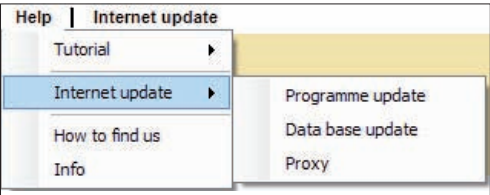
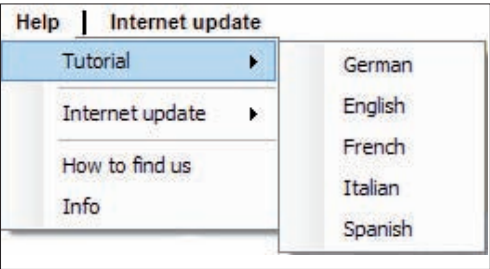
The menu item *Programme settings* allows the addition of further parameters for the dimensioning.

Location: Indication of latitude and longitude in minutes instead of decimals. Additionally, deviation of geodata search by means of which irradiation values are determined can be narrowed down.

Roof drawing: Depositing vertical or horizontal maintenance walkways to be taken into account in the design. Moreover, information can be made about the rail length of the stand to be selected. While a length of 3 m takes optimum transport conditions into account, 6 meter long rails provide better statics.

Printouts: For better and clearer handling of large design projects, the print-out may be distributed over several pages. It is additionally possible to enter a roof length and/or width as of which the design is to be subdivided and printed out.

Prices: Settings for price indications. The drop down menu offers the options *No prices*, *Total price only*, *Exact prices* or *VPE (packaging unit) prices*. The current price list is imported from a local data carrier via *Import price list*. Price lists are available via the usual distribution channels. The option also exists of manually entering a percentage mark-up of the prices.



Help

Manual

The current version of the manual is provided under *Help*. After the desired language version is selected, the corresponding document will be opened.

Internet Update

Regular updates are recommended so that the software will always be at the latest status. Click on *Internet Update* → *Programme Update* for the examination of whether a new software version is available, and also for the installation of updates. Additionally, the message *Internet Update* appears next to the *Help* menu when a new Update is available. The procedure for a software update is described in detail in the chapter *Data Bases & Update* in this Manual. By using a proxy server, click on *Proxy*. You can make all proxy settings in the opening window.

Registration

To be able to use all software functions to the full extent, it must be activated. This is done by clicking on the button *Full version* on the top right-hand side of the display. If there is no Internet connection you can also register under *Help* in the sub-item *Registration*. In the window *License administration* then opening up, the right-hand side selection for activation can be clicked on. It is also possible to postpone registration to a later point in time by selecting *Continue testing*.

Contact

To contact TRITEC directly, click on *How to find us* to obtain a PDF file with contact partners.

Info

Select *Info* for a pop-up with the current version of TRI-DESIGN. Click on pop-up to close it again.

USER GUIDANCE AND DIMENSIONING

Overview

The program is subdivided into several main items. General data on location, projekt and roof characteristics are first recorded under *Project*. Subsequent steps follow with the selection of modules, the mounting system as well as inverters. *Shopping cart* displays the bill of materials of all components which can be subsequently printed out and exported. General settings and functions, such as *Language*, *Save*, *Print* and *Help* are explained in the section *Programme Settings* of this manual. After the basic settings of the program, the main items must be passed through in sequence. It is not possible to skip individual steps, with the exception of the subitems *Project data* and *Inverters* if only stands are to be taken into account in the dimensioning.

Projekt

Location

In *Location*, site data of the place are indicated where the project is to be implemented. With the exception of the field *Region*, all fields are mandatory fields and if they are not completed, the software cannot plan the PV system. When moving to the next item without filling in any information, these fields are highlighted in red. Instead of individually completing the fields explained below, it is possible to determine the location by means of a photo with integrated GPS data. For uploading, click on the camera symbol.

Place of irradiation/Irradiation

This function is only active if the full TRI-DESIGN version with inverter design has been installed. Due to the indication of latitudes and longitudes, it is possible to request European-wide climate data. Clicking on the button *Search location* will show the closest climatic data point. The data are 10-year means.

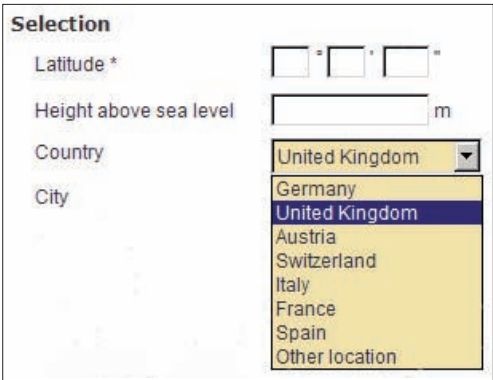
Country: The selection includes the countries of Germany, Austria, Switzerland, Italy, France and Spain. If a design is desired in another country, use the selection *Other location*. In that case, snow and wind load data must be manually entered.

Region: This field provides the opportunity of entering the region in which the system is to be built. However, this information is not obligatory.

City: Enter the place where the system is to be realized.

Latitude/Longitude: In order to define the optimum distance to avoid shadowing between the module areas, latitude and longitude must be entered. Enter the data in decimals. It is also possible to provide the data in minutes (see section *Programme Settings/Location*).

Height above sea level: Enter the height in meters above sea level where the system is planned.



Parameters

Snow load zone

Selected unknown

Wind load zone

Selected unknown

Snow load value

kN/m²

☐ North German Plain

Terrain category

0

1

2

3

4

Selected 2

Wind load value

kN/m²

Information on project

Project name

Address

Name

Street

Post code

Country

Telephone

Fax

Site designation

Company

Title

First name

City

Mobile

E-mail

Parcel number

Generator surface selection

Pitched roof

Flat roof

Building exterior

Orientation 180° Roof height 500 cm Roof slope 35°

Ridged roof

Mono-pitch roof

Hipped roof

Half-hipped roof

Pavilion roof

a 1500 cm b 1000 cm

Snow load zone/ Wind load zone: The zone can be determined using the map data stored in the software. By clicking on the respective map, it can be zoomed and thus allows easy reading of the values. They can be automatically taken over by another click to the respective place in the map. If the location of the system is between two wind and/or snow load zones, the higher load, thus the higher classified zone is to be applied.

Snow load value/Wind load value: If the values are known or if the location is outside the countries offered, they can also be alternatively entered directly via the corresponding fields *Snow load value* and *Wind load value*. This replaces selecting the wind and snow load zone and the terrain category. These values can only be entered if *Unknown* was selected in the drop-down menu of the snow or wind load zone, respectively.

Terrain category: The terrain category can be set by either selecting one of the icons or entering it manually. To obtain an explanation of the respective category, the mouse can be moved over the respective icon. Without clicking on the icon, the explanation appears in a separate field.

North German Plain:
If the project is located in the North German Plain, tick this box due to special static calculations.

Project Data

The data of the respective project can here be entered. A name can be allocated to every project in the field *Project name*, while the other fields are provided with the customer's contact data.

Roof Type

Under *Roof Type*, data of the characteristics of the roof are entered on which the system will be mounted.

In a first step, the *Generator surface* is determined, i.e. whether the dimensioning is made on a pitched roof, flat roof or a building exterior. In this respect, the selection *Flat roof* applies for all systems implemented on a horizontal foundation with a maximum slope of 5°.

With regard to the request of orientation, 0° is North, 90° East, 180° South and 270° West. In case of a true orientation of the roof of N-5°, a value of 355 is to be entered; for an orientation of precisely South-West, the value of 225, etc. The field *Roof height* requires the entry of the height from the gable to the ground of the property while the roof slope designates the angle between the horizontal and the roof surface. By clicking on the ?-icons next to the entries, you can view a more detailed illustration of which data will be required. To see the graphic presentation of the individual data, it is sufficient to move the mouse over the respective icons.

Generator surface selection

Pitched roof

Flat roof

Building exterior

Orientation 180° Roof height 500 cm Roof slope 0°

a 1500 cm b 1500 cm

Flat roof data

Eaves area with parapet Parallel to eaves

Roof parapet height 1.00 m

If pitched roof as the generator surface, another menu item selection *Roof Type* appears on the bottom. A mouse click is used to select between *Ridged roof*, *Mono-pitch roof*, *Hipped roof*, *Half-hipped roof* and *pavilion roof*. The completed selection must then be provided with dimensions. In fields *a* and *b* (depending on roof type also *c* and *d*), the corresponding dimensions are to be entered in centimetres. An exact presentation of the dimensions to be indicated appears when the mouse is moved over the ?-icons indicated next to the fields.

When dimensioning a flat roof project, additional data are required in addition to the roof dimensions, the roof height, orientation and slope. If *chamfered* is selected in the field Eaves area, another field pops up requiring the entry of the degree of slope. If the selection is *With parapet*, its parapet height must be entered.

Roof Parameters

Depending on the selection of the type of roof in the preceding menu item, additional information is now requested with regard to the roof construction.

Upon selection of the type of roof *Pitched roof*, the roof construction is selected from among *rafters*, *beams* and *steel beams*. After selection of the roof construction by mouse click, four fields must be completed with details on the distances between the first and last rafter or, respectively, beam to the roof edge, the greatest rafter/beam distance, and the number of rafters/beams. If rafters are selected as the roof construction, the option *Wooden lathwork* additionally appears under which the first and last lath are entered, as well as distance and quantity.

Analogously, when applying a trapezoidal sheet project, information is required regarding the first and last trapezoid, as well as distance and number of trapezoids. Additionally, in the sub-item *Parameter trapezoid*, additional fields open up for sheet thickness and width of beads. If the project concerns a design on aluminium sheet, this can also be entered here.

In case of a flat roof, the options *Concrete*, *Rafters* and *Beams* open up. While no additional details are required for concrete, the procedure for rafters and beams will be analogously to that for the pitched roof.

If the project concerns a building exterior, information will be required regarding the distance which can be firmly defined. In the latter case, additional fields will open up regarding the first and last construction, as well as distance and quantity.

Roof construction selection

Rafters

Beams

Steel roof beams

Trapezoidal sheets

First rafter 30 cm Rafter distance * 70 cm

Number of rafters 21 Last rafter 1430 cm

☒ Wooden battens (*largest distance)

Distances of wooden battens

First batten 30 cm Batten distance* 33 cm

Number of battens 45 Last batten 1482 cm

Roof construction selection

Rafters

Beams

Steel roof beams

Trapezoidal sheets

First trapeze 30 cm Trapeze distance * 32 cm

Trapeze number 45 Last trapeze 1470 cm

(*largest distance)

Trapezoid parameters

Sheet thickness 1.00 mm Bead width 3.0 cm

☐ Aluminium sheet

Roof construction selection

Concrete

Rafters

Beams

Roof construction selection

Any distance

Defined distance

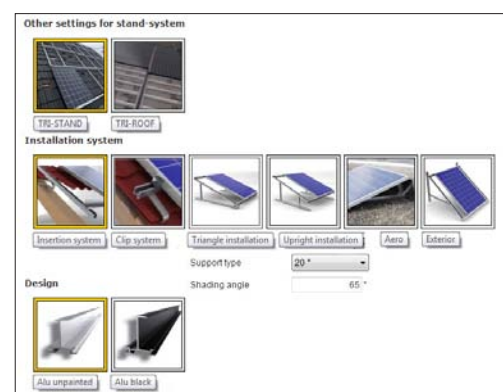
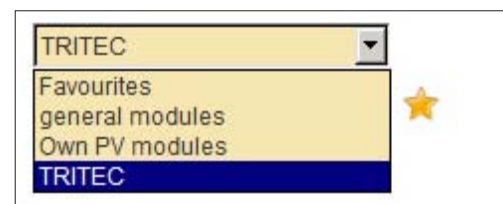
First construction 35 cm Distance 113 cm

Number of structures 8 Last construction 940 cm

(*largest distance)



	Nominal rating	190.0 Wp	Technology	Poly-crystalline
	Length	1343 mm	Width	999 mm
	Thickness	40 mm	Weight	16.00 kg
	Current at maximum power	0.00 A	Voltage at maximum power	0.00 V
	Short circuit current at STC	0.00 A	Open circuit voltage at STC	0.00 V



Module

Modules are selected by means of the 4 drop-down menus

- Apply Filter
- Manufacturer
- Data bases
- Type

and according to the criteria of Nominal rating & Technology, Dimensions, Current and Voltage.

Data Base

Various data bases can be used for the selection of modules. The *TRITEC* data base exclusively includes modules from the current TRITEC product range. The *General modules* data base includes nearly all modules available on the market. It cannot be guaranteed that the data base are complete.

Aside from that, the user is able to set up its own data base – with *User* – with specially selected modules. The corresponding modules must be manually entered for it. Alternatively, an individual list of modules already set up can be created and summarized in the *Favourites* data base. To add a module to the list of favourites, click on the star icon next to the drop-down menu *Type*.

Filter

A filter can be optionally activated for the specific search for modules. To this end, click first on the + symbol next to the *PV module filter*. An additional menu then opens in which the criteria *Dimension*, *Nominal rating*, *Technology* are specified according to which the selection of modules is to be narrowed down.

To set up several filters, a name must be selected for each one. Subsequently, the individual criteria are specified. By clicking on the *Add* icon, the filter is set up and thus automatically integrated into the drop-down menu *Apply Filter*. To remove a filter, click on the *Delete* icon. Please note that the filter will thus be deleted not only from the drop-down menu but completely.

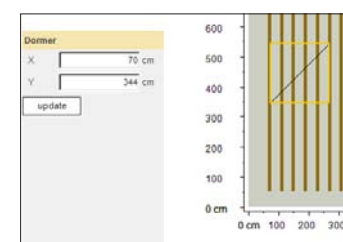
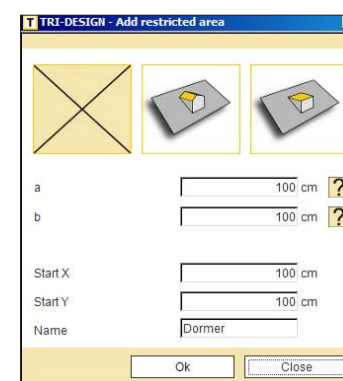
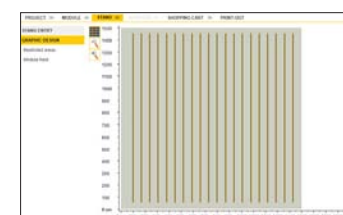
Stand

Stand Entry

For selecting the stand, the user has the following TRITEC mounting systems available:

- TRI-STAND for flat roofs and pitched roofs, as well as building exteriors
- TRI-STAND Aero for flat roofs
- TRI-VENT for trapezoidal sheet roofs
- TRI-ROOF for roof-integrated solutions

Detailed information regarding the respective mounting as well as information on technical properties are listed in the mounting instructions. Depending on the data entered in the preceding steps, the software automatically selects the suitable stand. The menu item *Stand Entry* presents all options which result within a system and accordingly are not equally active with all stands.



The following options are possible for the TRI-STAND mount:

- Pitched roof: Insertion or clip system
- Flat roof: Type of support and shadowing angle
- Building exterior: Connection or no connection, respectively

TRI-STAND and TRI-ROOF can be selected in the design *Aluminium bright* or *Aluminium black*.

Fastening

In the section *Fastening*, the components of the mounting system are specified as far as the mounting system TRI-STAND was selected for the dimensioning.

Optionally, roof hooks from a customized product range can be used. Click on the roof hook symbol with the question mark and enter the maximum admissible load for the fastening. For the selection of this item and the use of third-party fastening means, it is absolutely necessary to take into account the TRI-STAND warranty conditions and to consult the internal sales service! If *Roof hooks* were selected as fastenings, the connection of hooks and rails is selected in a last step.

Graphic Dimensioning

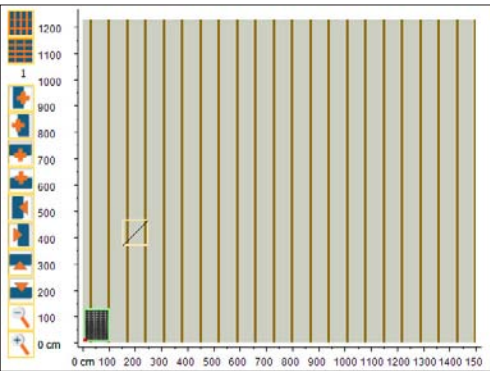
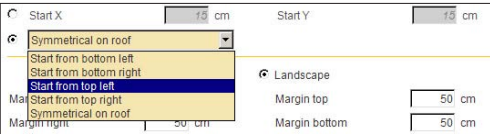
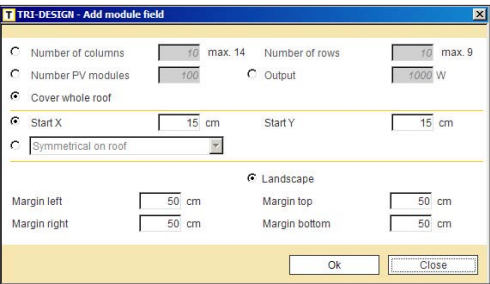
Adding Restricted Areas

You can create any number of restricted areas on the roof. They can be either real obstacles, such as chimneys, dormers or aerials, or areas where no module should be installed, for example, in order to keep maintenance walkways clear.

The creation of a restricted area always begins with clicking on *Restricted area*. In the now appearing window, enter the dimensions. Detailed information on the individual data can be displayed by clicking on the adjacent ?-icon. You place the restricted area by either using the entry of options *Start X* and *Start Y* or later via the drag and drop feature. If you enter, for example, for *Start X* the value 150 cm and for *Start Y* the value 370 cm, the software will create a restricted area beginning 1.5 m from the left and 3.7 m from the lower edge of the roof. This is the point of the lower left corner of the restricted area which continues with the stated dimensions.

To keep track of things with several restricted areas of a roof, we recommend entering a name for each restricted area in the field *Name*. With the same process, any number of restricted areas can be added.

To subsequently edit or delete a restricted area, select it by double clicking on it. Now you can move it across the roof by simple drag and drop or edit it by a right click on it. Since several objects can be selected at the same time, the option to edit always applies to all selected restricted areas.



Module field

Clicking on *Module fields* opens a window with all parameters required to cover the roof with solar modules. For covering a prior defined field, it is entered with the selection of the first check boxes *Number of columns* and *Number of rows*. Alternatively, a *Number of PV modules* or the desired *Output* may be entered.

The next section determines how the modules are to be placed on the roof. To do this, enter *Start X* and *Start Y* where the edge of the module field is entered in X and Y direction, or select a corner of the roof to which the modules are aligned. The option of a symmetrical covering of the roof is also possible.

In the bottom section of the window, the modules are positioned in *Portrait* or *Landscape* format. In addition, a minimum distance of the module field to the roof edges can be entered. Depending on the module use, various applications may be impossible and their corresponding fields inactive. This way, you can create as many individual module fields until the roof is covered completely.

Buttons for editing the module area

Depending on the selected module and entered project data, buttons can be used on the left edge of the screen to edit the module area. Buttons comprising options that are not available can only be seen in outlines. All buttons have mouseovers describing their respective function. Inactive buttons are shaded grey. The buttons are faded in after selecting a module by double-clicking it.

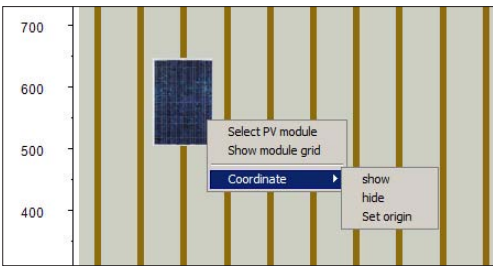
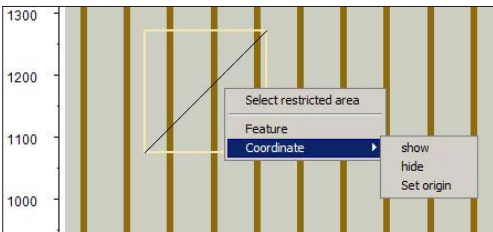
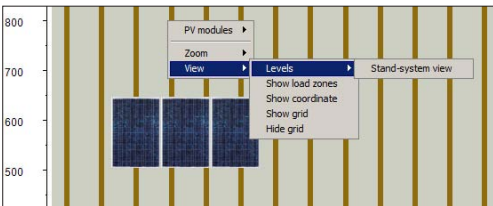
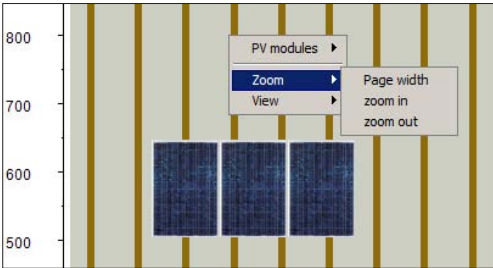
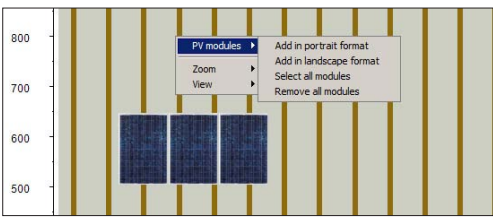
Adding a new module above or below the selected module.

Shifting modules to the left, respectively right.

Shifting modules to the top and, respectively bottom. Select the desired modules by double-clicking on a single one or, in case of several modules, by drawing a frame around the modules. Now, they can be moved in the desired direction.

Cover still free roof area symmetrically with modules in portrait format. Cover still free roof area symmetrically with modules in landscape format.

Zoom in the picture of graphic design, respectively zoom out the picture detail. Zoom out the picture of graphic design, respectively zoom in the picture detail.



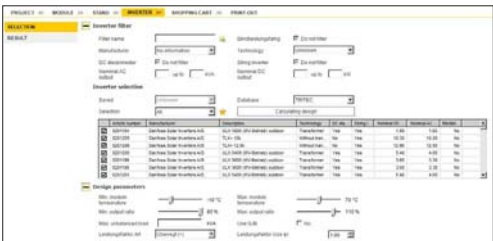
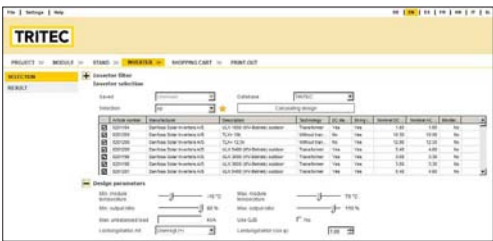
Other Options of Graphic Dimensioning

In addition to the above described basic features of the graphic design, additional options can be called up by right-clicking on the respective modules, restricted areas or roof areas.

- By right-clicking on the empty roof area, the following options appear:
- *PV modules*: Select or remove all modules or, respectively, add additional modules in portrait or landscape format.
 - *Zoom*: Picture detail is *enlarged*, *reduced* or automatically *properly* adjusted
 - *View*: Switch between *Levels*, between *Stand-system view* and *Module view*. Additionally, *Load zones*, *Coordinates* and *Grid* can be shown or hidden.

When right-clicking on a restricted area, the following functions appear: *Select restricted area*, *Features*, or *Show* or *Hide coordinates*. Furthermore, the origin of the graphic design can be set at a restricted area by clicking on *Coordinates* → *Set origin*.

Right clicking on one of the modules can *select* the module or show the *Module grid*. The module grid shows the complete design of the field with modules without restricted areas. Additionally, by right-clicking on a module – as with the restricted areas – it is possible to *Show coordinates* or *Hide coordinates* and set the *Origin* at the respective module.



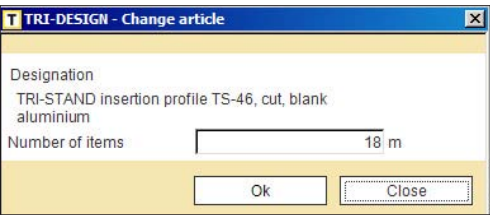
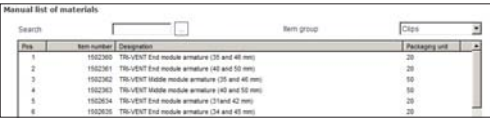
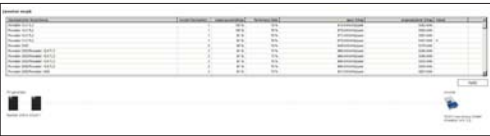
Inverters

Selection

Inverters for the system to be designed are selected according to a similar principle as the determination of the modules before.

Data Base

Various data bases are available for the selection of inverters. The *TRITEC* data base exclusively includes models from the current TRITEC product range. Aside from that, the user is able to set up its own data base – with *User* – with specially selected inverter models. The corresponding inverters must be manually entered for it. Alternatively, an individual list of inverters already set up can be created and summarized in the *Favourites* data base. To add a module to the list of favourites, click on the star icon next to the drop-down menu *Selection*.



Filter

A filter is optionally available for the specific search for inverters. To this end, click first on the + symbol next to the *Inverter filter*. An additional menu then opens in which the criteria are specified according to which the selection of inverters is to be narrowed down.

To set up several filters, a name must be selected for each one. Subsequently, the individual criteria are specified. By clicking on the *Add* icon, the filter is set up and thus automatically integrated into the drop-down menu *Stored filters for Inverter selection*. To remove a filter, click on the *Delete* icon. Please note that the filter will thus be deleted not only from the drop-down menu but completely.

After you have adjusted still further data in the sub-item *Design parameters*, click on *Calculate design*.

Result

The result of inverters is now displayed in a table. Values regarding performance ratio and yield can be gathered from it. Then click on *Apply* to conclude the dimensioning.

Shopping Cart

Current Bill of Materials

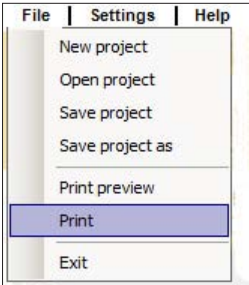
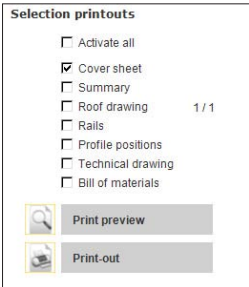
The shopping cart will first issue a bill of materials of all modules, inverters and mounting parts for the project. By clicking on the corresponding column designation, the enumeration of items can also be sorted according to article number, quantity, (packaging) unit and order quantity.

Manual Bill of Materials

The bill of materials can now be changed at random by adding components or deleting them from the list.

To expand the list, either use the search function or, for preselection, the adjacent drop-down menu *Group of articles*. Selection is made by clicking on the corresponding article so that it is highlighted in blue. After determination of the quantity, taking over into the existing bill of materials will follow by clicking on *Apply*.

It is also possible in the current bill of materials to change (*Edit*) or delete (*Remove*) the quantity of articles. Both entries can be cancelled again by clicking on *Resetting*.



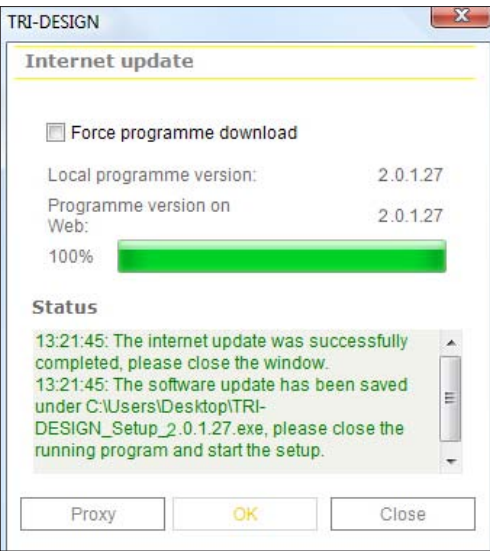
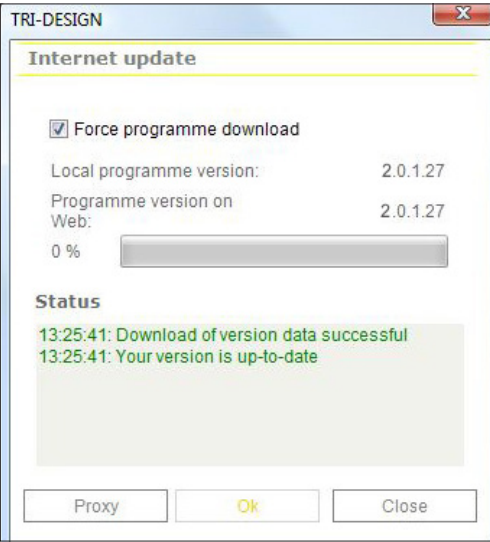
Printout

Selection printouts activates or, respectively, deactivates all desired printouts. The selection can now be printed by clicking on *Print*. By clicking on *Print preview*, a preview of the selected items can be displayed. These functions are also found in the menu *File*. For better clarity, a specific printing area of the design can be specified. This function is found in the menu *Programme settings* under *Printouts*.

Export

The completed bill of materials can be exported in CSV format. The lower half of the window includes the category *Export bill of materials*. By simply clicking on *Export*, the window opens to enter the location for the file to be saved to. Having selected the save location and naming the file, it can be exported and saved by clicking on *Save*.

DATA BASES & UPDATE



Software Update

Click on *Help* → *Internet Update* to check for new software versions and install updates. The now opening window shows the currently installed software version and the latest available update version. To check for available updates and install any available ones, the computer must be connected to the Internet. If the message “Your version is up to date” appears, no new versions of the software and thus no updates are available.

If the installed and the latest available version are not identical, you will see the message “Your version is obsolete”. In order to continue working comfortably with the TRI-DESIGN software, you should now update the software. To start this process click on *OK*. Depending on your Internet connection, downloading the required files may take some time. When the download of all data has been successfully completed, the installation of the update must be confirmed in the appearing window. The Installation Wizard will guide you through the update installation, which is identical to the first installation of the programme (see above).The programme section Software Update offers two additional options.

Clicking on *Force programme download* downloads the latest software version from the server, independent of the current version. This option may become necessary if an error occurred during the last download and the update could not be installed correctly.

When using a proxy server, click on *Proxy*. You can make all proxy settings in the opening window.

You can at any time cancel the update and return to the normal software screen by clicking on *Close*.

Updating the module and inverter data bases

The programme’s module and inverter data base are automatically updated each time the software is updated. By regularly updating the software therefore, not only the programme, but also the content of the data bases is kept up to date. This way new modules and inverters can be loaded and used in the TRI-DESIGN software quickly and easily. The process of updating the software is described in the previous chapter.

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TRITEC, March 2012
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