

NEWS 2021



VISCORT



EDITORIAL

Dear users,

after a very unusual year 2020, in which we even managed to offer 3 updates of ViSoft Premium, we are releasing ViSoft Premium 2021.

This new update introduces a highly improved Photo Tuning with a significantly faster performance and an optimised configuration. Due to a new rendering mode using a render cluster, it is now possible to complete rendering tasks in less time. In addition, Photo Tuning now offers GPU use with Nvidia GTX and RTX series graphics cards and various ways to generate previews.

Further improvements of ViSoft Premium were realised for the configuration of output plans and the page and sanitary browser. Thanks to our cooperation with Schlüter Systems, we were able to expand the profile browser to include Schlüter Liprotec LED profiles, thus fulfilling another customer request.

All these improvements and ideas we do owe your professional feedback in the first place.
The whole ViSoft team wishes you much success and pleasure while working with ViSoft Premium!



Michael Nissler, Rainer Nissler
CEOs of ViSoft GmbH

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PHOTO TUNING WITH V-RAY NEXT GENERATION



PHOTO TUNING FAST

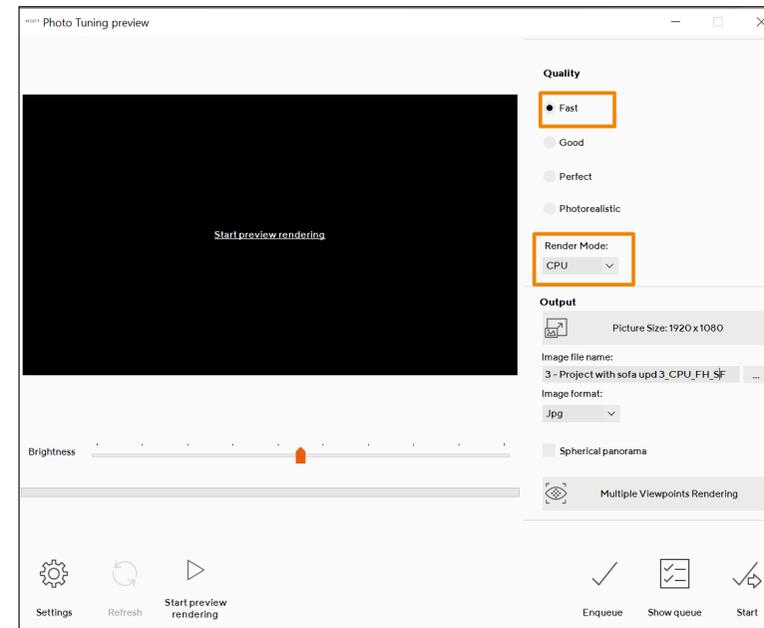
V-Ray by chaosgroup

Due to the integration of V-RAY next generation, there are new possibilities, such as faster rendering, GPU, Cuda and RTX usage, render cluster and a new type of towel and carpet calculation.

Fast rendering

The Photo Tuning fast mode accelerates the rendering and minimises rendering time. Rendering an image with Full-HD resolution 1920x1080 can be performed in about 1 minute, depending on the project.

At the end, the calculated image is displayed in the media browser.



Fast old | Time of rendering - 1min 15sec



Fast new | Time of rendering - 32sec



GPU USE

Render pictures with RTX

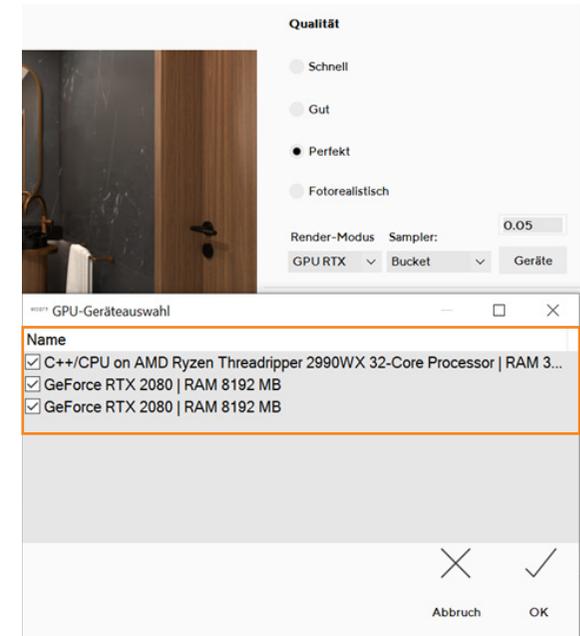
If RTX or Cuda are selected, the GPU (Graphical Processing Unit) is also used in addition to the CPU (Central Processing Unit). Pressing the button Devices activates the GPU device selection window. Here you select all available devices. With a current graphics card of the latest generation (RTX 3000) the rendering time is considerably faster than with older models (GTX).

If you have got an RTX graphics card, use RTX mode.

If you have got a GTX graphics card, select Cuda mode.

Note: If you have an RTX graphics card and select the Cuda mode your system will compute slower.

Explanation: Cuda was the first technology that allowed the GPU and the computer together. RTX is the second generation of this combination option.



Our tests have shown that buying an RTX graphics card reduces computing time much better than buying a new CPU or a new computer with the focus of the investment on the CPU.

For example, computing with an RTX 3090 for about 1,700 euros was four times faster than using a 32 core CPU for 1,700 euros. And a graphics card can be easily swapped.

CPU Perfect | Time of rendering - 1h 02min 44sec



RTX Perfect | Time of rendering - 11min 14sec

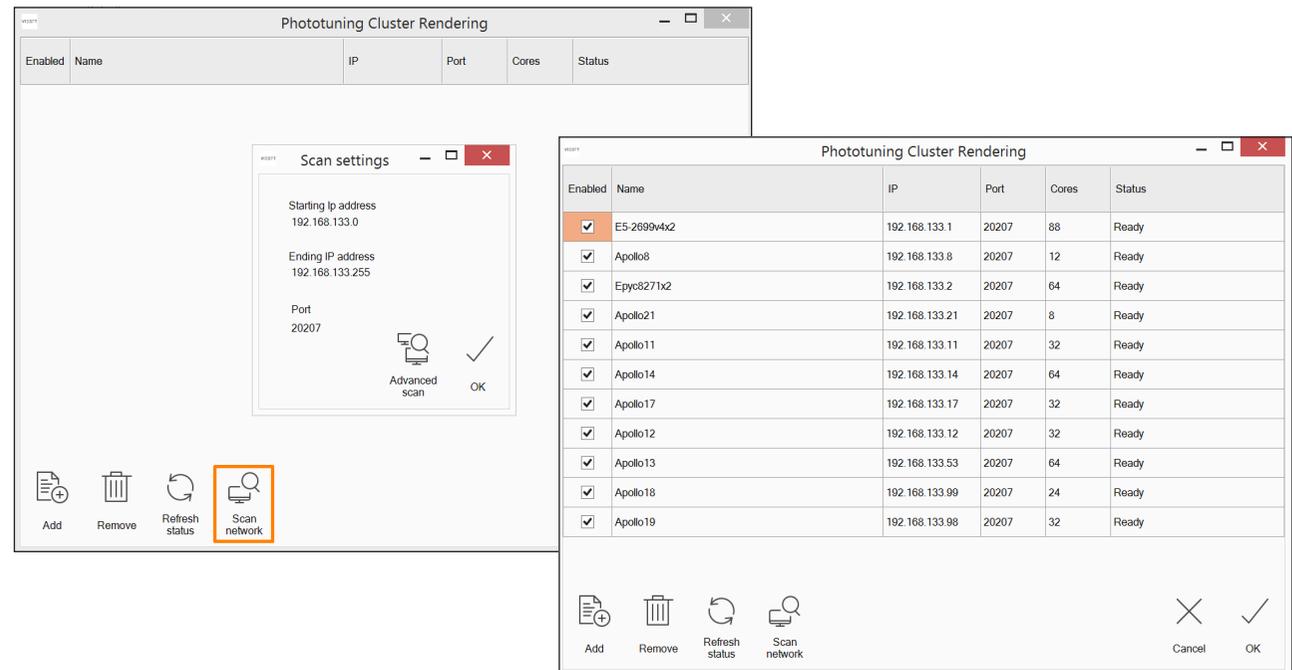
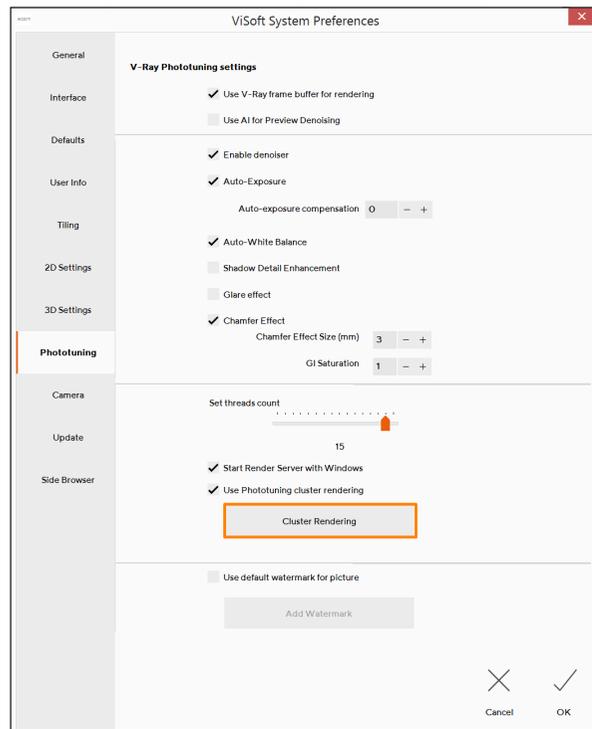


RENDER CLUSTER

New Render Mode for CPU

With a set up V-Ray render cluster you can use the capacities of several computers in your network to enable the rendering of large tasks in less time. A prerequisite for the interconnection of several computers is a licence ViSoft Premium with Photo Tuning. The light calculation is done on the local machine. The image is then divided into squares and distributed to the various computers for calculation and then reassembled locally. Distribution over the network is relatively fast, so that efficiency is very high. If 4 equally powerful computers are connected together, the computing time is reduced to almost a quarter.

- ✓ Select „Use Photo Tuning Cluster Rendering“ under File/Settings/Photo Tuning.
- ✓ Scanning (searching) the network will list all available machines.
- ✓ If Photo Tuning Cluster is activated in the ViSoft settings, from now on the performance of the available machines will be used for rendering in CPU mode.



GENERATING PREVIEW DIFFERENCES

Four different Photo Tuning previews

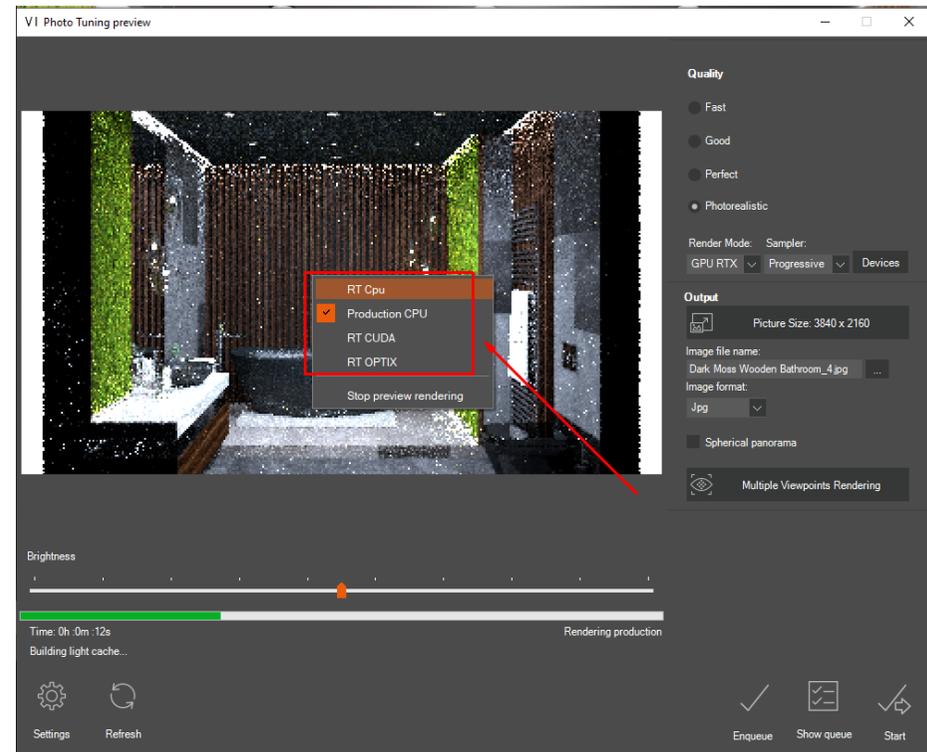
The „**RT-CPU**“ uses the machine’s CPU to generate an image faster. RT is short for Real Time. In this mode the image has an approximate resemblance to the final result.

The „**Production CPU**“ uses the Render Cluster, if available. Initialisation takes the longest here. The image quality is most similar to the final result after the rendering process. The preview time is the longest among the 4 options.

The modes „**RT Cuda**“ and „**RTX**“ use the graphics card to generate the image.

The „**RTX**“ mode is for use with RTX graphics cards with Ray tracing (NVidia 2000 series and later).

„**RT Cuda**“ uses „**Cuda**“ cores that are used in older graphics cards.



Save time with V-Ray Next Generation

It is also possible to stop the preview, which means less time to wait until the render process starts.

NEW MATERIALS

Towels and carpets

Towels and carpets now look more realistic and are calculated much faster. A new material template was created which improves the textures of carpets, towels and bathrobes. Objects with pile texture with different fiber lengths look more realistic.

These materials also include grasses.

To use these new templates simply update your ViSoft material databases.



SANITARY & MURALS



BUILT-IN OBJECTS

CUSTOMER
REQUEST

Place built-in objects with one click

Built-in objects are placed directly at the correct depth and the necessary cut-out is generated automatically. If you move these objects the cut-out is also moved. Or deleted when object is deleted. You can find such objects at ESS Easy Drain, Steinhaus, Badia, Sunshower and Weinmann + Schanz. They have the type designation wall niche.



NEW SANITARY OBJECTS

Extended ViSoft databases

Many new objects were added to the ViSoft databases Furniture, Bathroom, Bathroom Groups and Decoration.

Serie: Office Chairs



Serie: Garden furniture



DISTANCE OF SANITARY OBJECTS

CUSTOMER
REQUEST

Automatically correct distance to the wall if a tile is placed/deleted

The position of a sanitary object on a wall is automatically adjusted when laying tiles. It is shifted away from the wall by the value of the tile thickness. Also a sanitary object on a tiled wall is shifted closer to the wall, after deleting the tile.

Objects are connected to walls, so when walls are moved these objects are moved along with them.



FIT TO TILE GRID

Resize murals and niches

Murals:

„Fit to tile grid on the floor or wall“ adapts the size to the closest floor or wall tile grid.

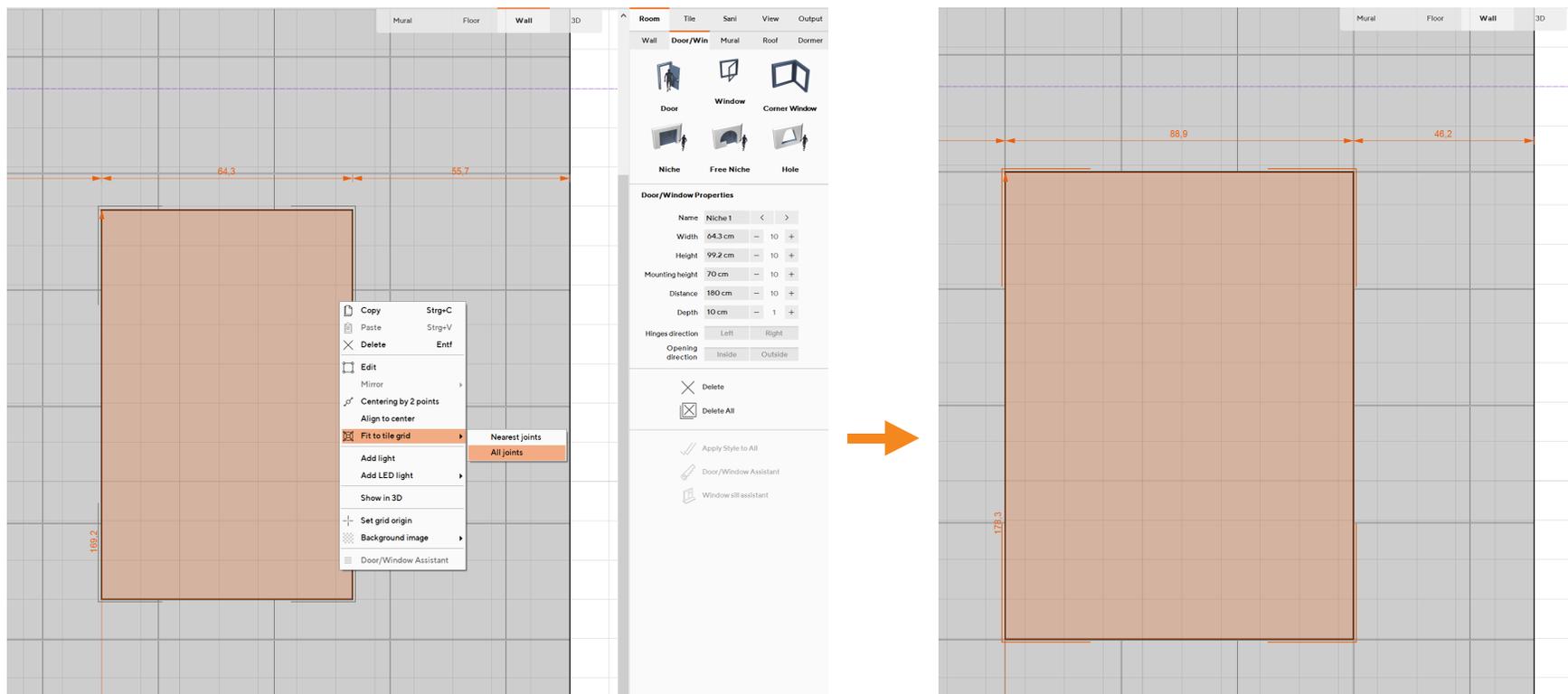
„Adapt to tile grid on mural“ adjusts the size of the mural to use as many uncut tiles as possible.

Niches:

“Adapt to the closest or all joints“ look for the largest whole tile that is near the niche’s side and adjusted the niche accordingly.

„Fit to tile grid of all faces“ changes the size of the niche so that all niche areas fit to the closest tile grid. The largest overall tile grid is sought so that the entire tile fits exactly into the niche.

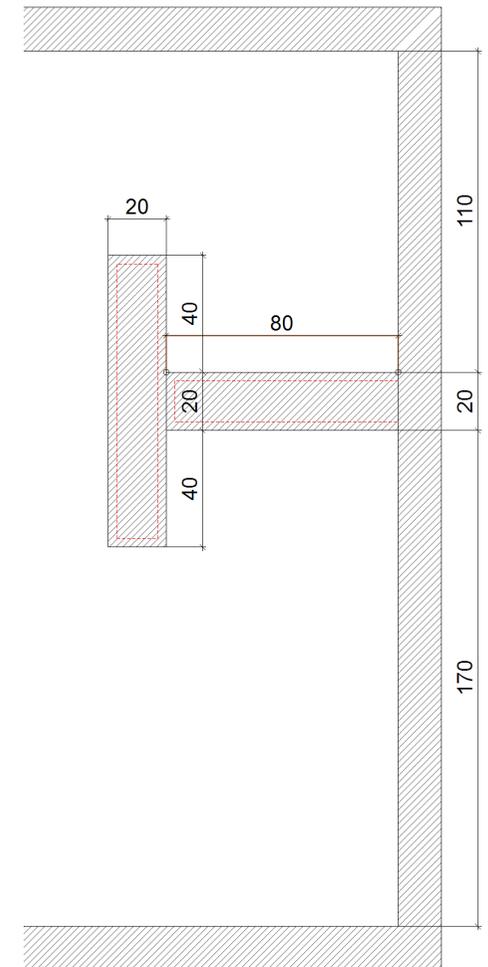
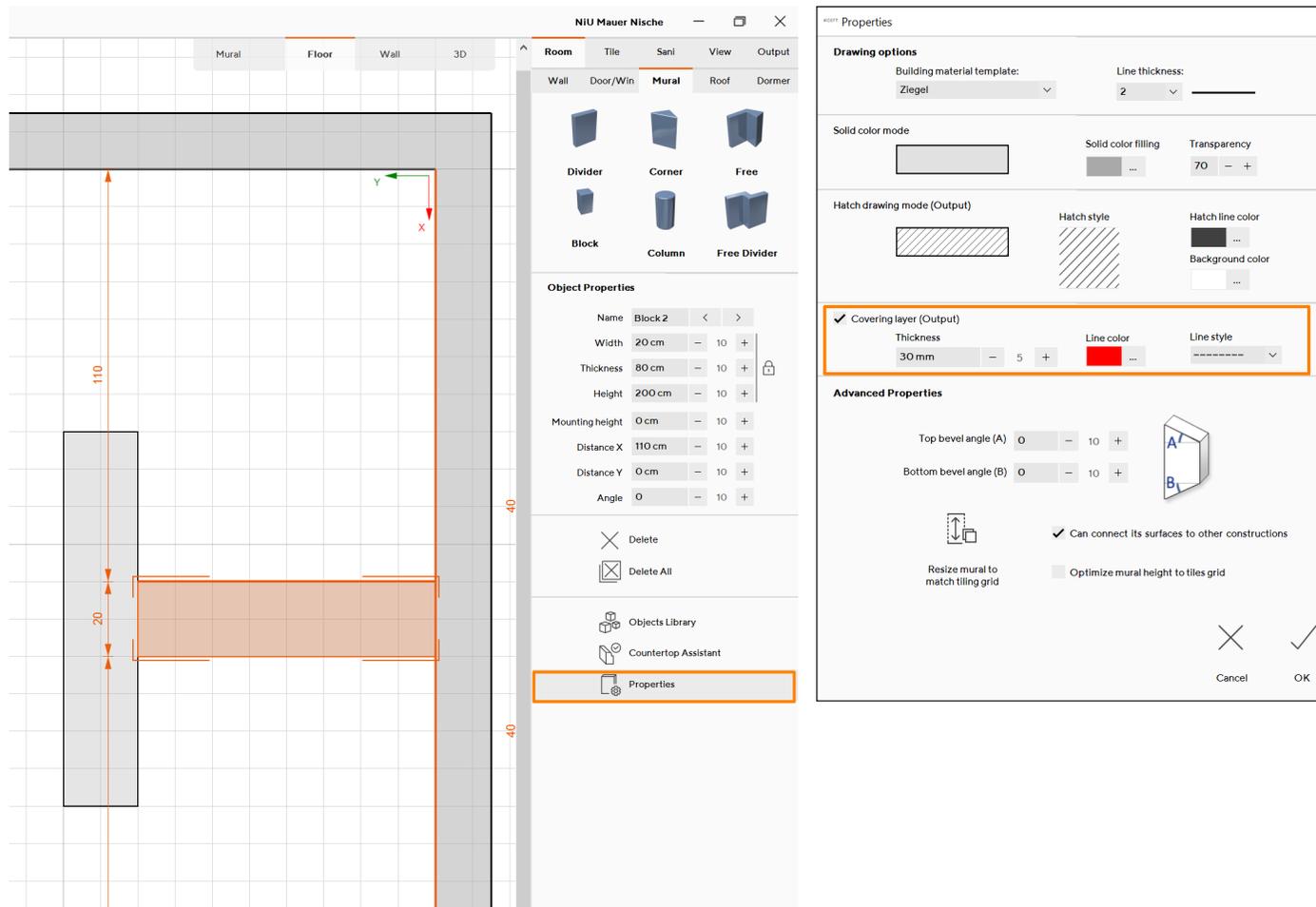
If a niche is placed 3 cm or less next to the tile grid, it is automatically adjusted to the wall tile grid.



COVERING LAYER FOR MURALS

Covering layer thickness in mural properties

Set the covering layer thickness for selective murals in the mural properties. These covering layers represent plaster or plasterboard. This option can also be selected in system preferences>Defaults>Murals and it will be applied for all new murals. The dimensioning of the covering layer snaps in the output plan to a separate line.



SCHLUTER LIPROTEC

Schluter[®]
Systems



LED EDGES

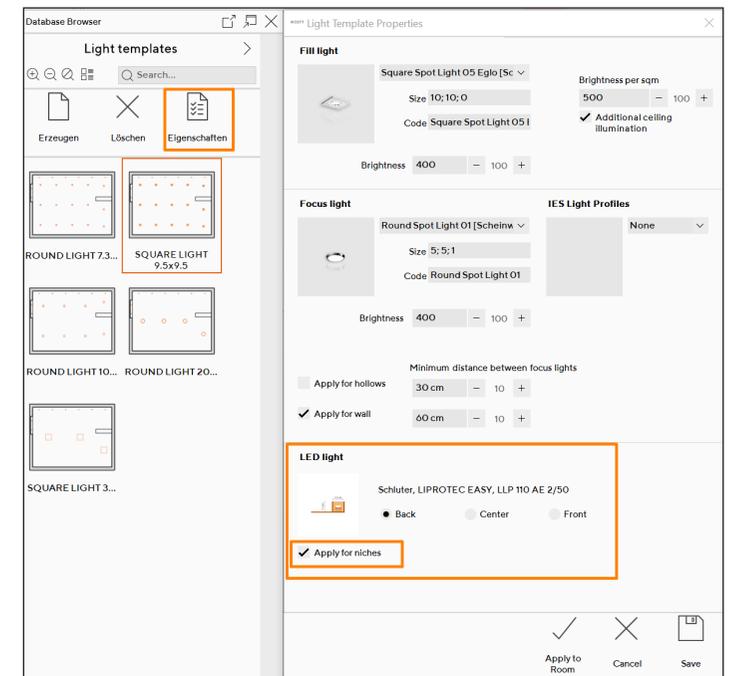
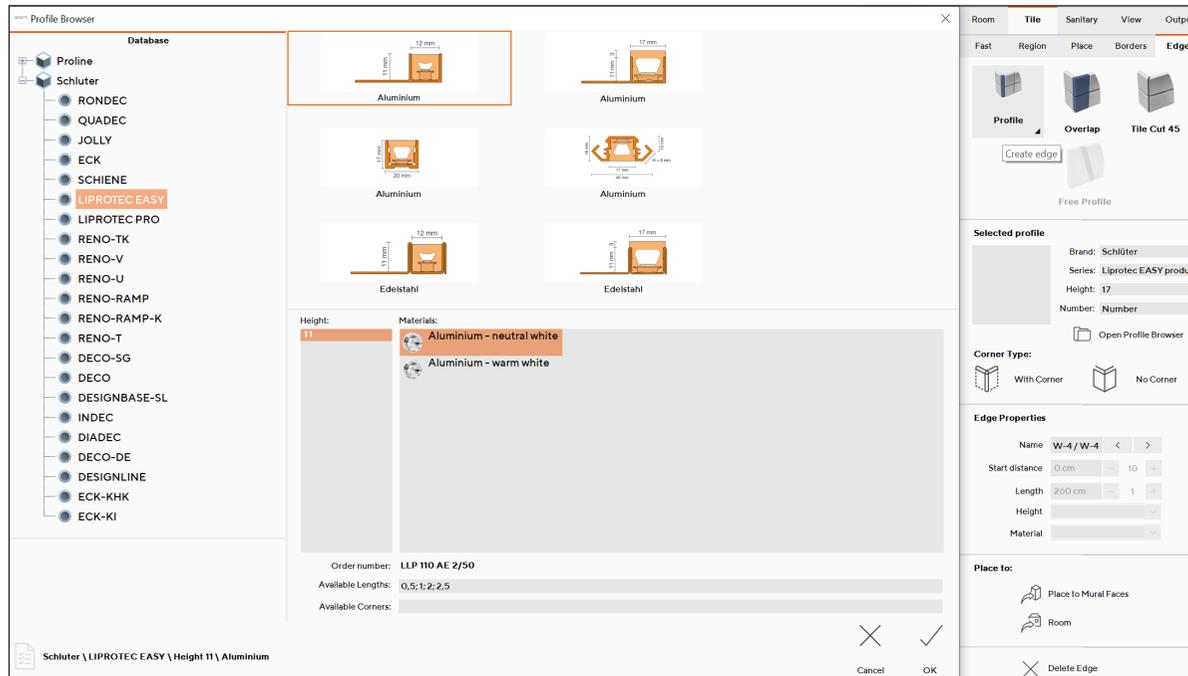
CUSTOMER
REQUEST

Implementation of LED edge profiles - Schluter Liprotec

Schluter Liprotec LED profiles are now available in the Profile Browser. LED profiles can be displayed in 2D and 3D view.

The LED profiles are equipped with light sources that light up automatically when placed.

The illumination of niches with Schlüter Profiles can be selected in light templates and the context menu.



FREE LED EDGES

CUSTOMER
REQUEST

Create free LED edge profiles

Free profiles can be drawn in 2D Wall and Floor view.

The screenshot displays a software interface for creating LED edge profiles. The main workspace shows a 2D floor view with a grid. A custom LED edge profile is drawn in blue, forming a closed polygon. The profile is highlighted with a dashed blue line. The right-hand side of the interface contains a properties panel with the following sections:

- Room**: Room, Tile, Sani, View, Output
- Fast**: Region, Place, Borders, Edges
- Profile**: Profile, Overlap, Tile Cut 45, Free Profile (highlighted with an orange box)
- Selected profile**:
 - Brand: Schlüter
 - Series: Liprotec EASY product
 - Height: 11
 - Number: LLP 110 AE 2/50
 - Open Profile Browser
- Corner Type**: With Corner, No Corner
- Edge Properties**:
 - Name: F / F
 - Start distance: 0 mm
 - Length: 1514.3 mm
 - Height: 11
 - Material: aluminium - neutral w
- Place to**: Mural Faces, Room
- Actions**: Delete Edge, Delete All, Change profile orientation, Profile Variations

BROWSER, EXPLORER AND VIEW



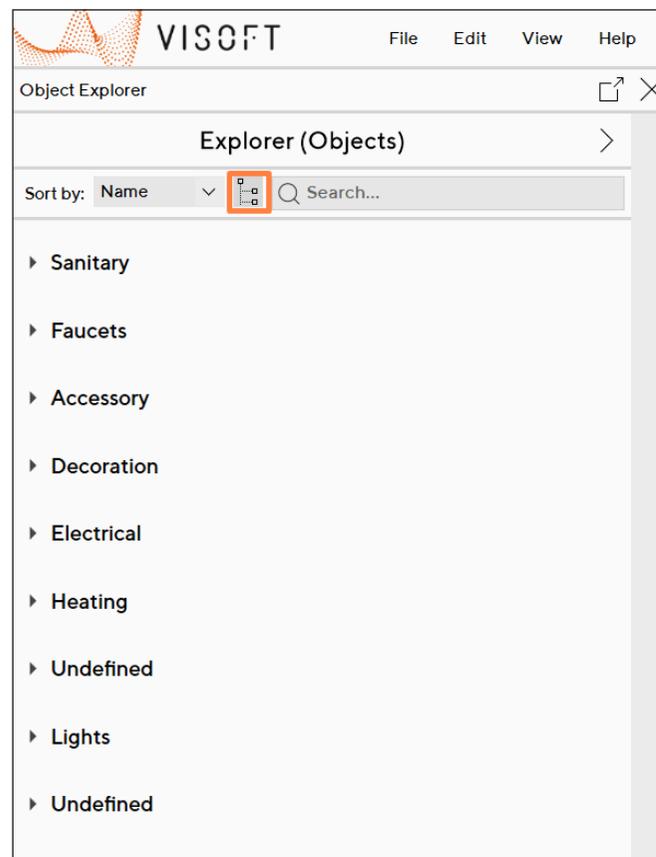
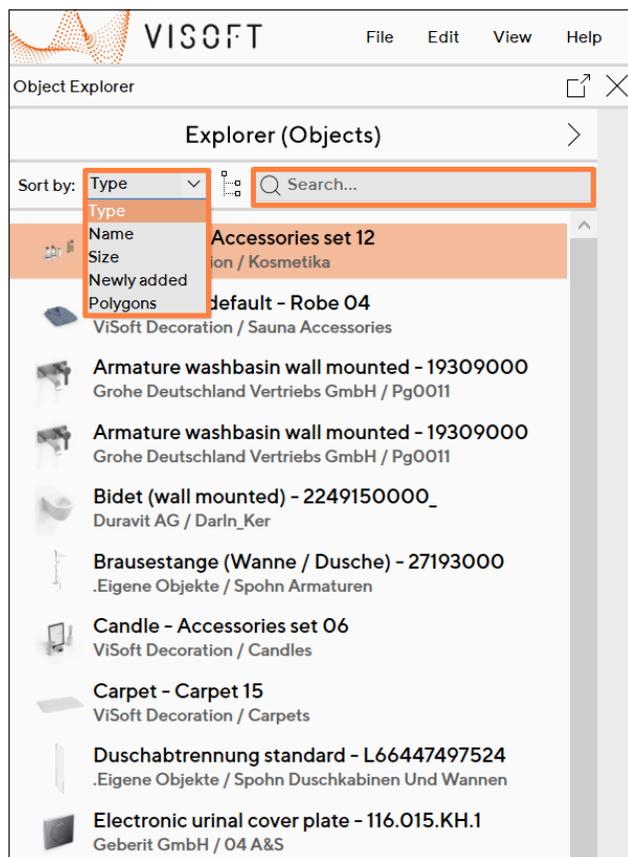
EXPLORER: SORTING OBJECTS

Sorting and grouping of objects

It is possible to sort all objects that are in the room by type, name, size, date and polygons from a drop down menu.

A search field has been added so it is possible to search a room object by entering its ID.

Show and hide folders: Armature, Decoration, Furniture, Sanitary and Undefined. If the folder is expanded, there are all room objects that belong to this particular category.



EXPLORER: SORTING LIGHTS

Lights: sorting and grouping

Lights in Explorer are divided by chain point lights, chain spot lights, light objects chain, free profile chain and profile chain. Grouping can be switched on/off so all lights will be displayed one by one.

The image displays two side-by-side screenshots of the 'Explorer (Lights)' interface. Both screenshots show a list of lights with their respective icons, names, and brightness sliders. The left screenshot shows a grouped view where lights are organized into chains and profiles. The right screenshot shows a sorted view where lights are listed individually, and a search bar is highlighted with an orange box and an arrow pointing to it.

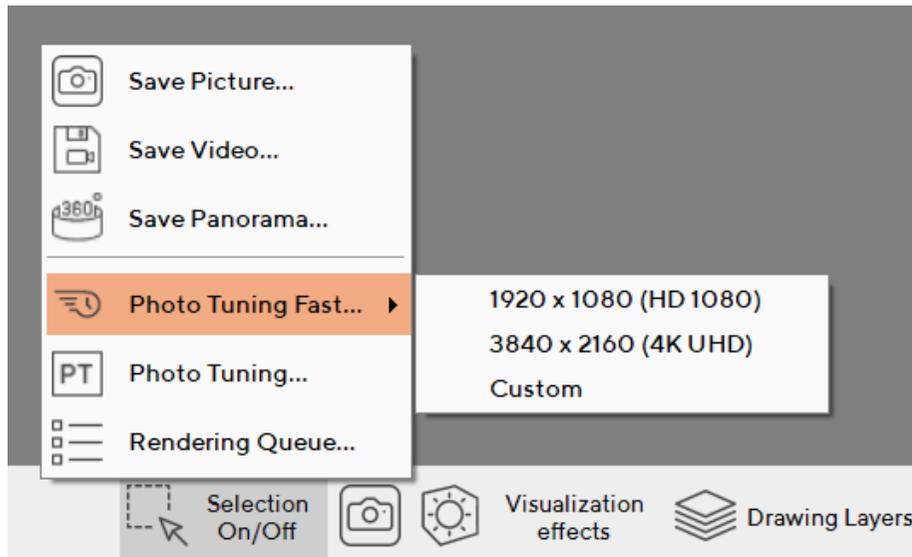
Chain/Profile	Light Name	Brightness
Sun	Sun	50
Chain 3	Point light 4	1600
Chain 3	Point light 3	1600
Chain 3	Point light 2	1600
Chain 3	Point light 1	1600
Chain 2	Spot light 7	1600
Chain 2	Spot light 6	1600
Chain 2	Spot light 5	1600
Chain 1	Object light 18 (Light (Ceiling mounted) - S)	1200
Chain 1	Object light 17 (Light (Ceiling mounted) - S)	1200
Chain 1	Object light 16 (Light (Ceiling mounted) - S)	1200
Chain 1	Object light 15 (Light (Ceiling mounted) - S)	1200
Free Profile 1	Edge light 14 (Schlüter / Liprotec PRO prc)	323
Free Profile 1	Edge light 13 (Schlüter / Liprotec PRO prc)	323
Free Profile 1	Edge light 12 (Schlüter / Liprotec PRO prc)	323
Free Profile 1	Edge light 11 (Schlüter / Liprotec PRO prc)	323
Free Profile 1	Edge light 10 (Schlüter / Liprotec PRO prc)	323
Profile	Edge light 9 (Schlüter / Liprotec PRO prc)	323
Profile	Edge light 8 (Schlüter / Liprotec PRO prc)	323

Light Name	Brightness
Sun	50
Point light 4	7887
Point light 3	7887
Point light 2	7887
Point light 1	7887
Spot light 8	1600
Spot light 7	1600
Spot light 6	1600
Spot light 5	1600
Object light 19 (Light (Ceiling mounted) - R)	2400
Object light 18 (Light (Ceiling mounted) - R)	2400
Object light 17 (Light (Ceiling mounted) - R)	2400
Object light 16 (Light (Ceiling mounted) - S)	1200
Edge light 15 (Schlüter / Liprotec PRO prc)	323
Edge light 14 (Schlüter / Liprotec PRO prc)	323
Edge light 13 (Schlüter / Liprotec PRO prc)	323
Edge light 12 (Schlüter / Liprotec PRO prc)	323
Edge light 11 (Schlüter / Liprotec PRO prc)	323
Edge light 10 (Schlüter / Liprotec PRO prc)	323
Edge light 9 (Schlüter / Liprotec PRO prc)	323

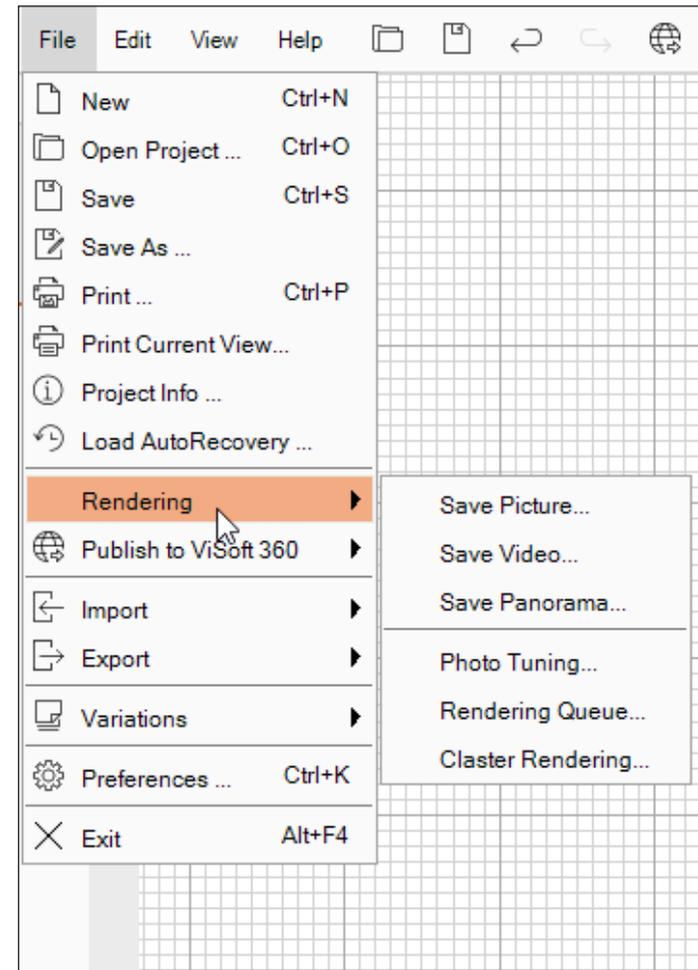
NEW MENUES

New menu list with functions in 3D

A new menu is added to the footer toolbar with functionalities to create project media. Particular attention should be paid to Photo Tuning Fast, which immediately starts calculating in a resolution specified by the user without a preview window and then displays the result. This function can be very helpful when a customer is present to briefly show the current planning status in a very high quality. This function can also be started with Ctrl + F10.

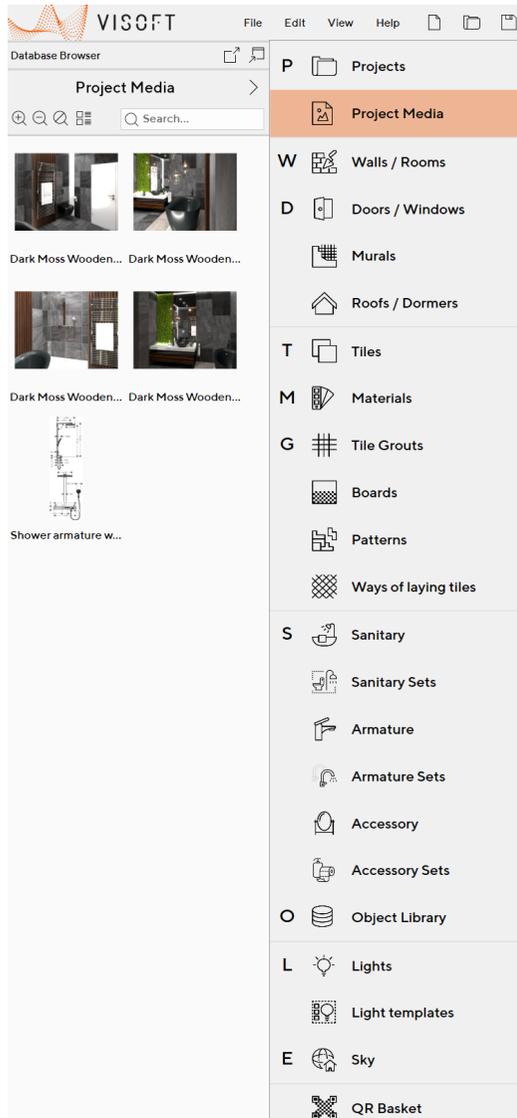


Menu Rendering has also been added into File menu.



MEDIA VIEWER

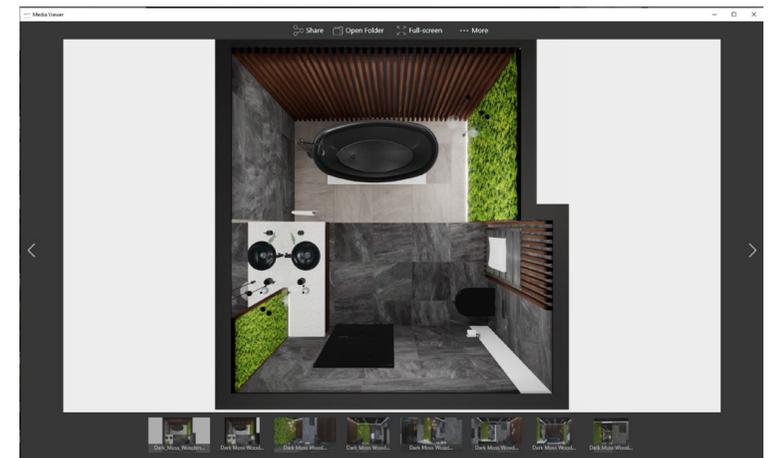
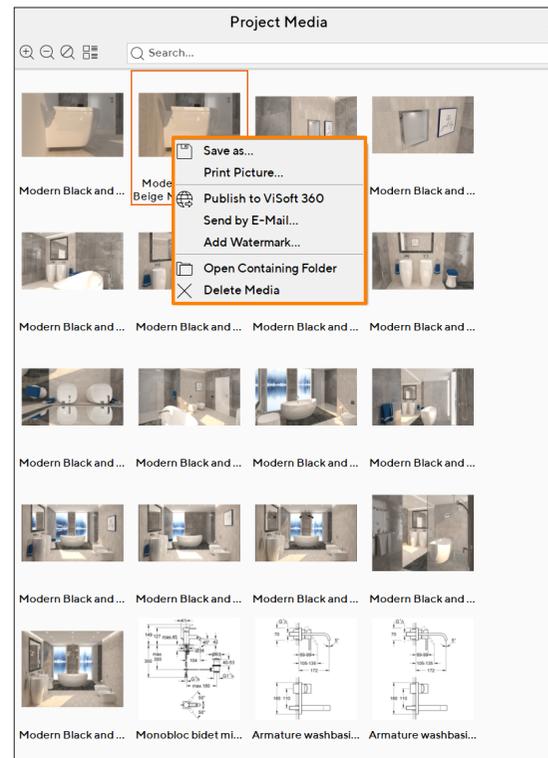
Viewer for viewing pictures and panoramas on one page



Pictures, panoramas and videos of a common project are grouped in one place. By selecting and opening an item it is opened in a new window.

New options:

- ✓ Share: Publish the item on ViSoft 360 portal
- ✓ Open folder: Open the windows explorer folder which contains the item
- ✓ Full screen: Open the media item on the full screen
- ✓ Watermark: Displayed immediately
- ✓ Panorama options: Save as, Send by e-mail, Play and Stop



UPDATE MANAGER

Manufacturer Information

Receive detailed information about selected databases in the extended Update Manager.

The screenshot displays the 'Update Manager' application window. The interface is divided into several sections:

- Navigation Bar:** Includes tabs for 'Tiles' (51), 'Sanitary' (3), 'Materials', 'Program' (1), and 'Downloads'. A search bar and filter buttons are also present.
- Filter Buttons:** '433 All brands', '51 Available updates', '328 Not installed brands', and '102 Installed'. An 'Update all' button is located in the top right.
- Manufacturer List:** A table listing various manufacturers with their logos, names, and update status. The 'Villeroy & Boch' entry is highlighted in orange and has an 'Update' button next to it.
- Manufacturer Details Panel:** A large panel on the right showing a detailed view of the selected manufacturer, Villeroy & Boch. It includes a logo, a large image of a modern bathroom, and text indicating the update date (Donnerstag, 10. Dezember 2020) and size (1557 MB). Below this, it lists the 'UPDATED COLLECTION' with items like Aberdeen, Atlanta, Back Home, Daytona, Denim, Marmochic, Unit three, and White Cream.

Logo	Manufacturer Name	Last Update / Status
	Cevica	13 Dez Update available
	Princess Ceramic	10 Dez Update available
	FMG Fabbrica Marmi e Graniti	10 Dez Update available
	Villeroy & Boch	10 Dez Update available Update
	Glazzio Tiles	06 Dez Not installed
	Undefasa	24 Nov Not installed
	Cedit	19 Nov Not installed
	Kronos	17 Nov Not installed
	Baldocer Ceramicas	10 Nov Update available
	Crossville	10 Nov Not installed
	Polis	10 Nov Not installed
	Team4-Ceramic	30 Okt Not installed
	Porcelaingres	25 Okt Update available
	Fiandre USA	25 Okt Not installed
	Fiandre	22 Okt Update available
	Iris Ceramic	15 Okt Not installed
	Cesarom	13 Okt Not installed
	Impronta	11 Okt Not installed
	Ragno	11 Okt Up to date
	Marazzi	09 Okt Up to date
	Italgraniti	07 Okt Update available
	Vives	01 Okt Not installed
	Tiles by Pecasa	21 Sep Not installed

OUTPUT



NEW OUTPUT FUNCTIONS

Calculation of tile glue consumption

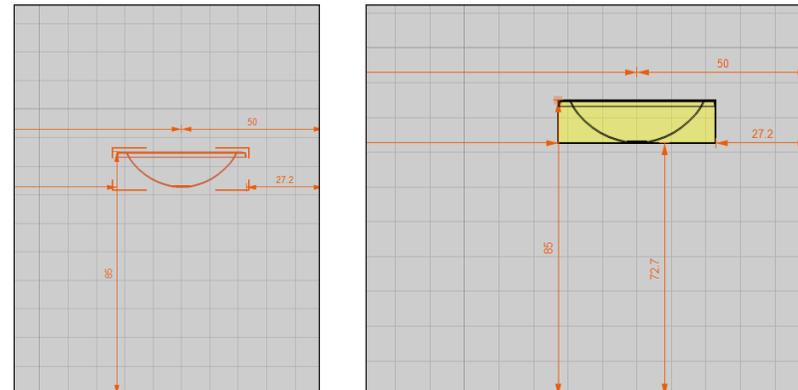
A field for the tile glue consumption indicated in kg/m^2 is added in the system preferences.

Based on this selection the needed amount of tile glue will be displayed in Output>Part list>Material after the tile is placed.



Show dimensions

In the editing mode dimensions are shown in floor and wall mode for the selected object.



Separating dimensions

Separate dimensions for electrical elements in Output
Previously, all dimensions for electrical elements were drawn in one line, now they are separated.

Now it is more convenient to check separated dimensions.

OUTPUT CONFIGURATION SETTINGS

Save individual configuration

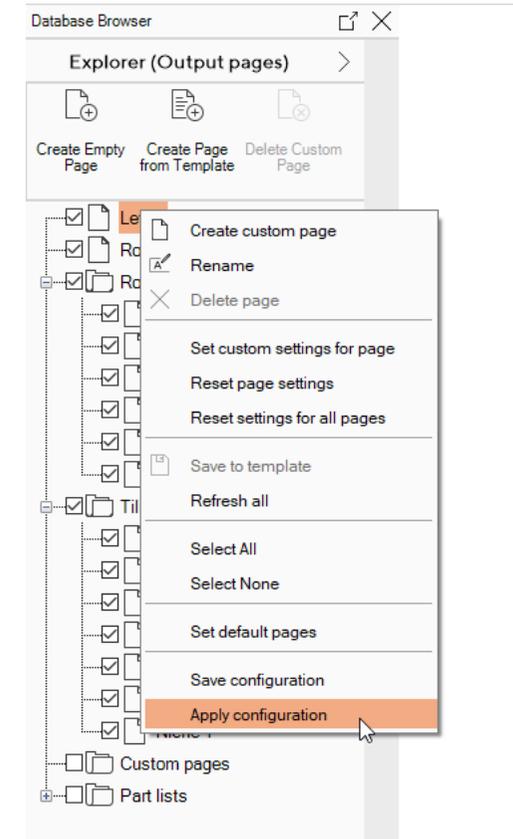
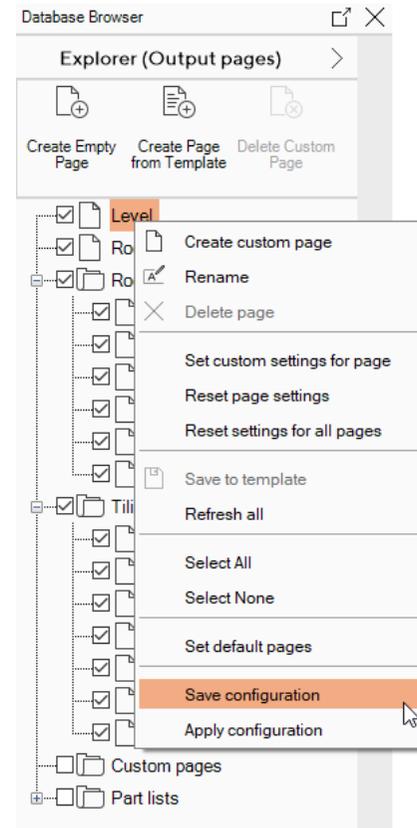
In order to provide the respective recipient of the plan (plumber, tiler, electrician, customer, etc) with the relevant configuration you can save individual configurations with the needed parameters.

Open Output and check/uncheck or select/change all needed parameters:

- ✓ scale
- ✓ checked and unchecked pages in default page settings
- ✓ pages order
- ✓ labels and frame
- ✓ bottom footnote
- ✓ region color
- ✓ drawing layers on level page
- ✓ tile drawing layers
- ✓ dimensions color, font
- ✓ dimensions color by category
- ✓ dimension submenu

After this, open any page context menu>Save configuration> enter name> OK.

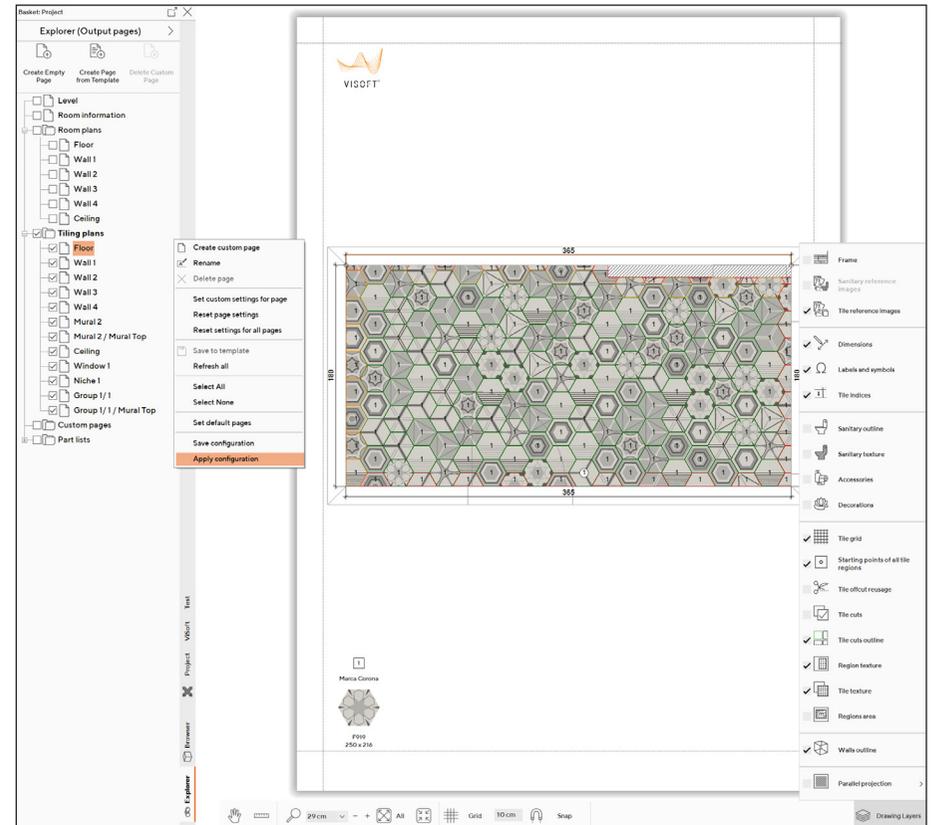
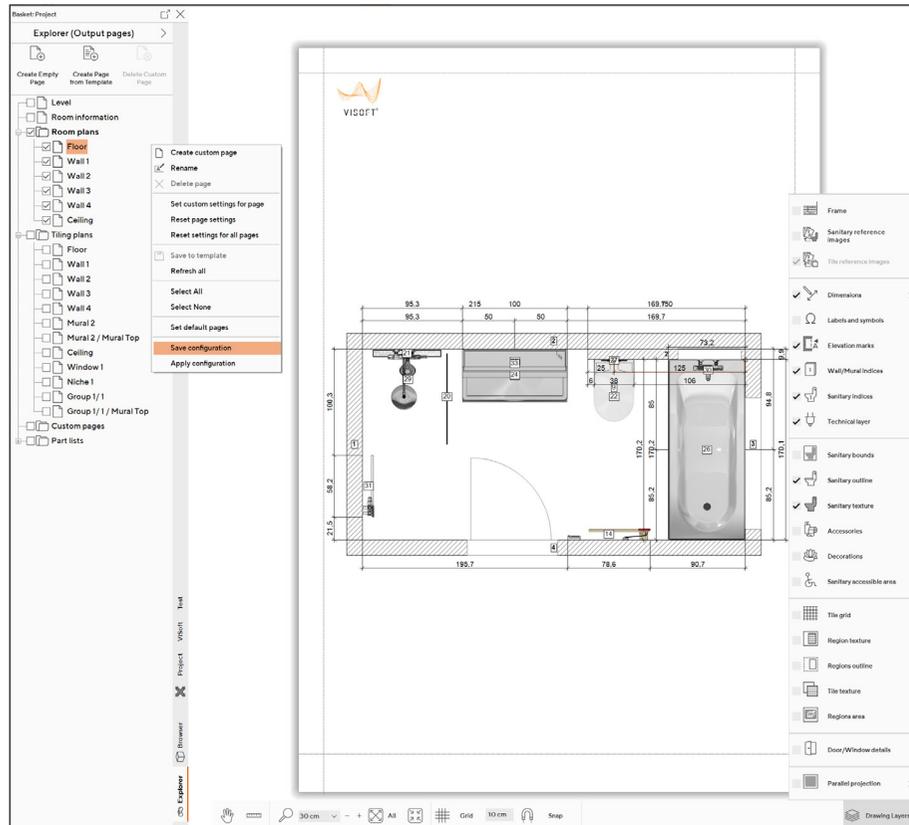
After this, a new file will be created in Configurations folder. In order to apply any configuration, open page context menu> Apply configuration>Select it> OK.



OUTPUT CONFIGURATION SETTINGS

Use individual configuration

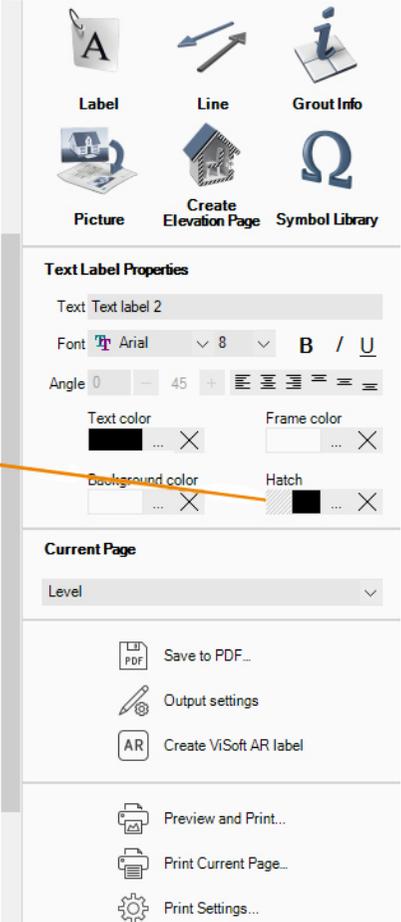
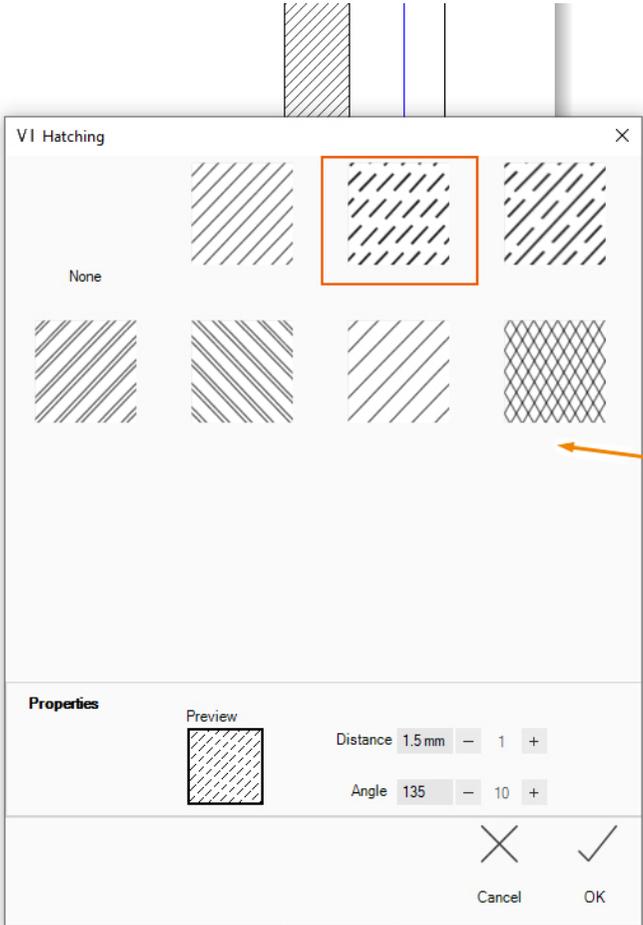
Different plans for different recipients created with one click. Here an example of sanitary vs. tiles.



MASHED TEXTFIELDS

Hatch as background for label in Output

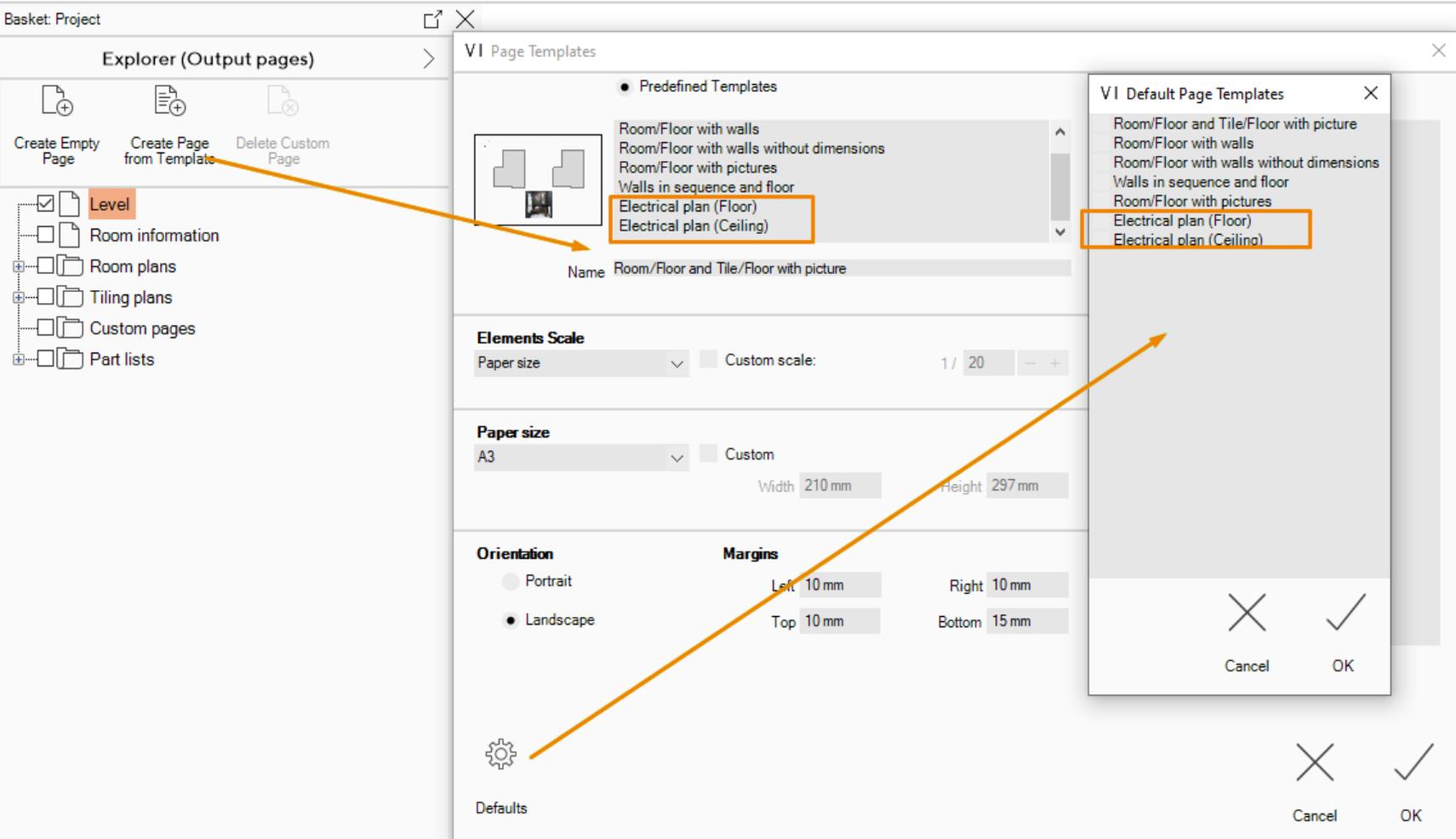
Custom pages with electrical plans for ceiling and floor were added to custom page templates. Also, they can be selected as default page templates to be created automatically.



ELECTRICAL SYMBOLS ON CUSTOM PAGE

Create default electrical plans

Custom pages with electrical plans for ceiling and floor were added to custom page templates. Also, they can be selected as default page templates to be created automatically.



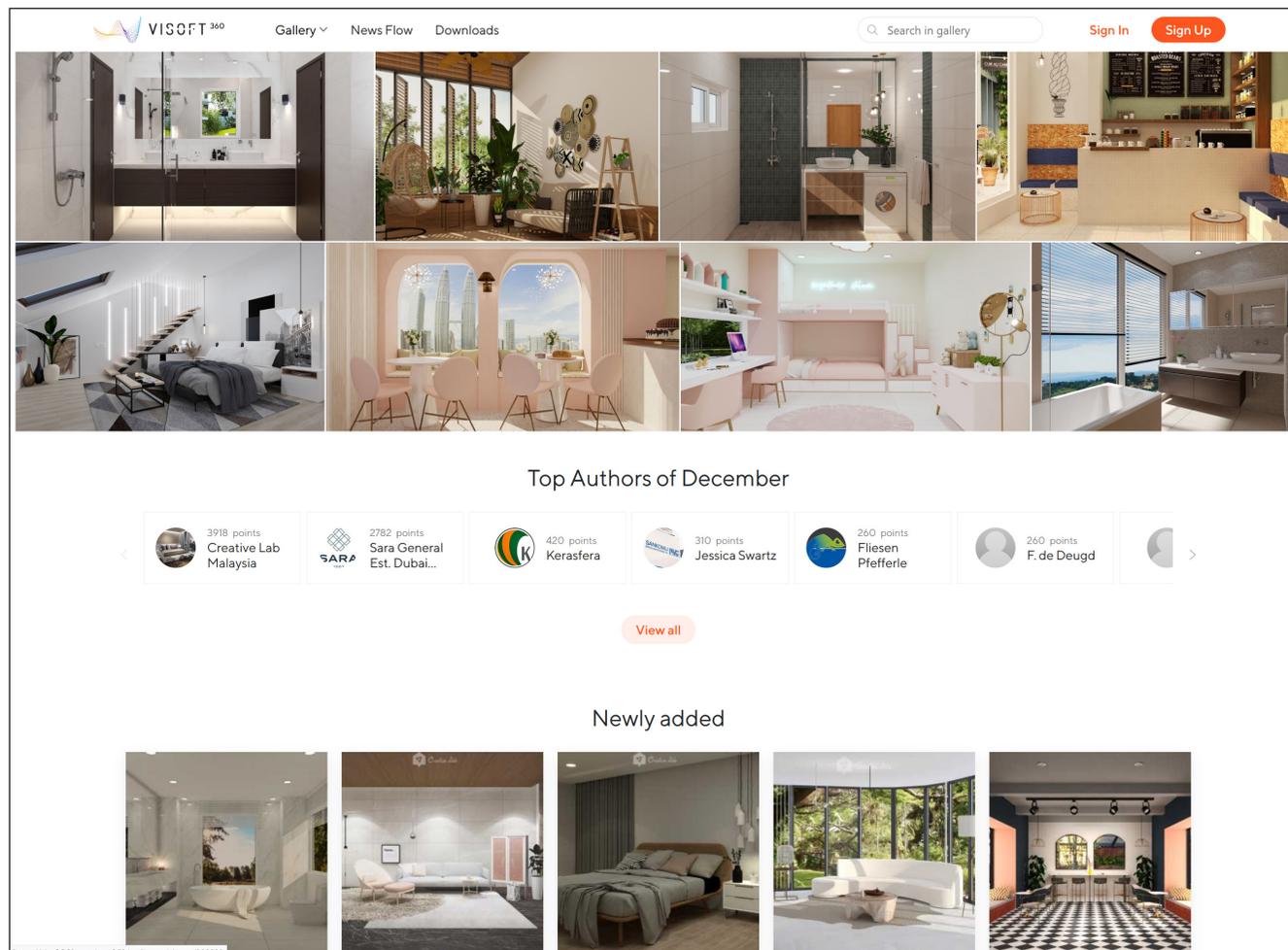
VISOFT360



VISOFT360 - NEW DESIGN

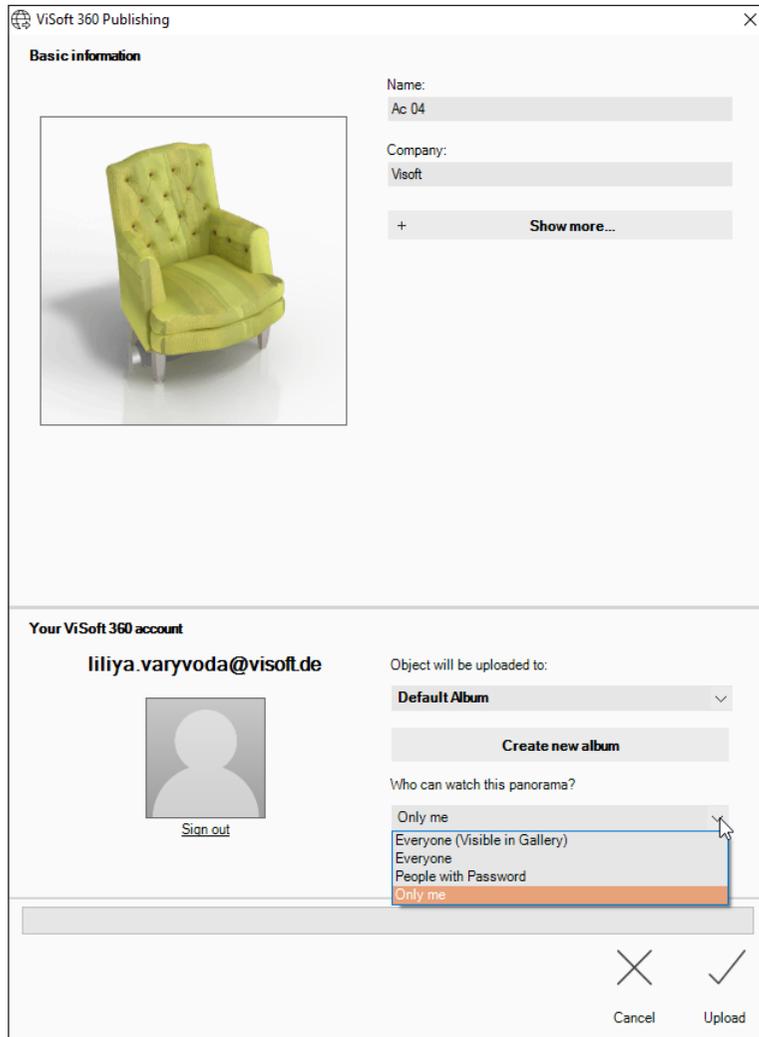
New look & feel / Downloads, Augmented Reality exhibition & ViSion configurator

Our online gallery has been adapted with a new graphic user interface to our latest CI. It also presents the latest activities, works published by an author or planner, the top 10 projects of the present month, the top 10 authors and the monthly winners. Furthermore you'll find downloads, our Augmented Reality exhibition and the ViSion configurator.



Privacy on ViSoft 360 publish window

Privacy settings are available on ViSoft 360 publishing window as drop down window option:



NEW FEATURES & IMPROVEMENTS

Additional new functions and improvements

- ✓ „What’s new“ or „Release Notes“ for updates in Updates Manager
- ✓ Chain dimension for chain light in hollow improvement
- ✓ Undo when camera position was changed
- ✓ Free edges – in 2D Wall and Floor view modes as borders
- ✓ Output margins and aligning
- ✓ Automatic selection of profile height according tile thickness
- ✓ Set brightness for the partial environment in V-Ray
- ✓ New page “Output & Print” in Preferences
- ✓ Photo Tuning offline licensing – 2 days for online version
- ✓ Photo Tuning Rendering queue functional improvements
- ✓ Redesign of start- and welcome screen
- ✓ ViPlan: Added apertures on roof bevels and mirrors.

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GOOD LUCK WITH VISOFT PREMIUM 2021!

Support

Telefon: +49 (0)7031 49165 99

E-Mail: support@visoft.de

Training videos

www.youtube.com/user/ViSoftGmbHTV

Sharing platform for our customers with download options for the program, tiles, sanitary and information material.

www.visoft360.com

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Information and links

www.visoft.de

Apps

You can find all of our apps by searching for 'ViSoft' in the Apple App Store or Google Playstore.