

Dietrich's 3D Web-Viewer

1 Navigation

1.1 Motion mode

After the start, the building is moved in the 3D web viewer: Rotating rotates the building around its center to the left and right and it tilts back and forth.



With the motion mode function, the movement can be switched to the viewer: Rotate rotates the viewer's view around its own axis to the left and right or up and down.

To view the building from the outside, it is recommended to move the building. For an inspection inside, it is best to move the viewer.

1.2 PC with Mouse



Turn: Hold down the left mouse button in the graphics area and move the mouse.



Push: Hold down the right mouse button in the graphics area and move the mouse.



Distance: Move closer to the object or further away by turning the mouse wheel.



Select: Selection of a component by clicking with the left mouse button. To deselect simply click into the empty space.

1.3 Mobile with Touch Screen



Turn: Place one finger on the screen and move (Swipe).



Push: Place two fingers on the screen and move (Two Finger Drag).



Distance: Place two fingers on the screen and move them apart or towards each other (pinch to zoom).



Select: Selection of a component by briefly tapping it with a finger. To deselect, simply tap into the empty space (Tap).

2 Functions in the tool bar



Call up the building structure to show or hide it on different levels: e.g. entire floors, walls or individual components. Individual components can be selected to mark them in the graphic and display component information.



Selection of different standard views: Perspective, front view, left view, etc.



The model rotates continuously on the screen.



Switches on the display sky with clouds as background.



A lawn is displayed as a background.



Full screen representation.



Motion mode - the pivot point is always with the viewer.



Measuring with point to point

3 General Description

The new, optional 3D web viewer was created to provide the client or other project participants with a meaningful model quickly and easily. At the push of a button, the entire building or

desired parts generate a file that is simply sent to the desired recipients. In addition to the building, the file also contains the operating functions of the 3D web viewer:

- Visualization without installation, as it runs on all common browsers: Firefox, Chrome, Safari, Microsoft Edge, etc.
- Intuitive, commonly used navigation (turn, push).
- Simple hiding of building parts using the building structure: floors, walls, ceilings, roofs and roof areas.
- The individual floors and the roof are divided into further categories: Building elements (wall elements, ceiling layer panels,), stairs (group 17), building services (group -18,-19), design elements (group 16, 18,19) and Components of the construction (groups -17 to 15).
- Components of the construction are sorted in an additional level according to their MOS group. The name of the component is displayed in the tree.
- Displays important information on selected components: Material, dimensions, designation, sorting number, etc. As the sequence numbers are also available, the system requests a sorting, if necessary, before the export.
- Toggle the sky background and terrain area on and off.

- Full screen mode makes the best possible use of the available screen. The building structure and menu can also be hidden. Especially on mobile devices and tablets, this provides the best possible representation of the building.
- The measurement function is used to check dimensions and distances.

Target directory and file name for the export can be freely selected. Options for the selection of the content are: All, visible parts or active parts. In this way, the exported scope can be reduced exactly to the elements that are important for visualization; system and operation are not hindered by unessential elements.