

BIM-VIEWER

Quick Guide



- 1 NAVIGATION
- 2 MINIMAP
- 3 MENUBARS
- 4 MEASURING

1 NAVIGATION



Dynamics

Control

Control the dynamics for navigating in the 3D model – Accelerate navigation speed by moving the slider from bottom to top.



Display navigation



Marked mouse symbol

Navigation using mouse or keyboard

Change to display navigation (Touchpads)



horizontal moves,



change of viewing direction,



vertical moves in the 3D model

Mouse functions

Left mouse button



Fixing the left mouse button: both viewing and moving direction change – Display in 2D-view

Right mouse button



Fixing the right mouse button: moving the model both horizontally and vertically – Display in the Minimap (bird's eye view and views)

Mouse wheel (turn)



Turning the mouse wheel: horizontal move in the 3D model

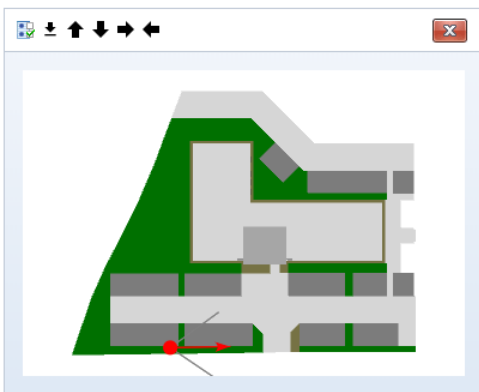


Keyboard commands

Arrow keys – W/A/S/D

Horizontal navigation through the model

2 MINIMAP



Orientation and navigation in the 3D model



Marks the position



Indicates the viewing direction



Change position

Click on target position using left mouse button in the views or in the bird's eye view – automatic change of the position in 3D model



Change viewing direction

Click on the arrowhead and turn using left mouse button

Minimap – 2D-View

Minimap display

Minimap supports both orientation and navigation in the 3D model and can be found at the bottom right corner



Fading-in and Fading-out of the Minimap / 2D-view (vertical Menubar)

Navigation in the Minimap only



Moving in the level

Fixing the left mouse button



Zoom in the Minimap

Turn the mouse wheel



Views

Arrows for changing the views in the Minimap status line (status line opens, when cursor is located in the Minimap) – Arrow direction for views regarding floor plans

HORIZONTAL



Print view



Bird's eye view and 3D-display for the BIM model

Change from 3D display to the 2D view



Change from the 2D view to the last 3D perspective



Perspective including viewing direction

Opening a targeted 3D perspective or an inner perspective: in the *bird's eye view* mode click on a marking for the position and a second click will mark the viewing direction



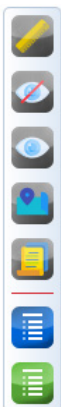
Displaying attributes regarding the IFC objects via the graphics

Displaying parameters of an IFC-object (object dialog) by clicking on the objects in the BIM model



Help

VERTICAL



Measuring function

Activating the measuring functions

Measuring lengths by clicking the corner points; use right mouse button for closing a dimensional chain



Turn 3D BIM objects invisible and back to visible

Fading-out 3D objects by clicking



Turn all faded-out objects visible



Minimap

Fading-in and Fading-out of the Minimap / 2D-view



Guidelines

Representation in lists to fade-in or fade-out groups of IFC types



Displaying IFC types

List including information regarding IFC-types (number of objects / of nodes and single graphical representations)



Displaying IFC attributes

Information regarding IFC-attributes classified according to IFC-types

(VERTICAL MENUBAR)



Activating the measuring functions

Measuring lengths by clicking the corner points; use right mouse button for closing a dimensional chain

MEASURING FUNCTION



Stop measuring function

Measuring functions (by clicking on the icons measuring mode will change)



Linear distance freely defined object points



Orthogonal Measuring according to a predefined linear distance



Orthogonal including linear distance Measuring a predefined linear distance and measuring the determined orthogonal object edges



Characteristics for temporary dimensional chains



Delete Measuring