

The following basic controls are used to move around the 3D 'Perspective' view, and the 3D Assembly libraries in Neara. It is highly recommended that a mouse be used to navigate 3D views.

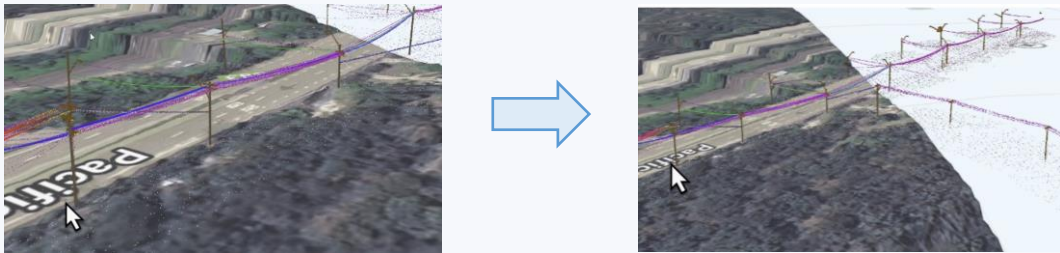
ZOOM OUT

Mouse: roll the scroll wheel of the mouse down (away from the screen).

Laptop touchpad – with the cursor centred on the item of interest:

- Slow zoom out – 'pinch' two fingers together on the touchpad
- Fast zoom out – run two fingers 'up' the touchpad

Note: the position of the cursor will influence the result of the zoom; this may be a desirable effect (see image below). However, to negate this effect, the cursor and subject should start in the middle of the screen.



ZOOM IN

Mouse: with the cursor centred on the item of interest, roll the scroll wheel of the mouse forward (toward the screen).

Laptop touchpad – with the cursor centred on the item of interest:

- Slow zoom in – 'reverse pinch' – spread two fingers apart on the touchpad
- Fast zoom in – run two fingers 'down' the touchpad

It is important that the user keeps the cursor centred on the subject that they are zooming on. If the cursor moves off the subject, Neara will zoom onto the item that is subsequently behind the cursor. This becomes a problem in hilly terrain when a far mountain is suddenly selected, and the user starts scrolling kilometres away. If this occurs, simply leave the cursor in the same position and zoom out to return to the original location.

TRAVERSE THE X-Y PLANE

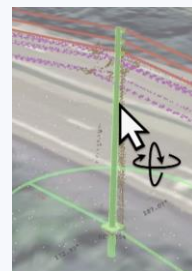
Mouse: click-and-hold the scroll wheel button (or middle mouse button) whilst moving the mouse to the desired location.

Laptop touchpad: This is not possible by default. A custom setting would need to be applied to the touchpad (via Windows) where a three-finger-touch replicates a middle mouse button press. If this setting is enabled, the procedure is as per the mouse.

ROTATE VIEW AROUND AN ITEM (3D)

Mouse: with the cursor centred on the desired point of rotation (this could be a pole, a LiDAR point, or a more general area), click-and-hold the right mouse button whilst moving the mouse to the desired point of view.

Laptop touchpad: with the cursor centred on the desired point of rotation (this could be a pole, a LiDAR point, or a more general area), click-and-hold the right touchpad button whilst moving one finger on the touchpad to the desired point of view

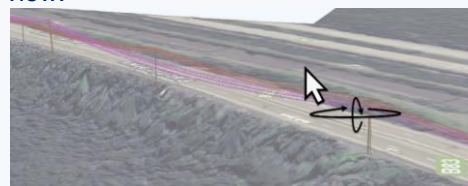


ROTATE VIEW OF THE LANDSCAPE (3D)

This action is different to rotating around an item – this action will create a general ‘sweep’ around the landscape from the current perspective view. The position of the cursor does not change the centre of rotation; the view automatically rotates from the centre of the screen. This action is best performed from a wide perspective view (zoomed-out) where multiple poles are visible.

Mouse: press-and-hold the CTRL button on the keyboard, then click-and-hold the scroll wheel button (or middle mouse button) whilst moving the mouse to the desired point of view.

Laptop touchpad: *This is not possible by default. A custom setting would need to be applied to the touchpad (via Windows) where a three-finger-touch replicates a middle mouse button press. If this setting is enabled, the procedure is as per the mouse.*



RAISE OR LOWER the VIEW (Z plane)

Mouse: press-and-hold the SHIFT button on the keyboard, then click-and-hold the scroll wheel button (or middle mouse button) whilst moving the mouse:

- UP – to lower the view to the desired level
- DOWN – to raise the view to the desired level

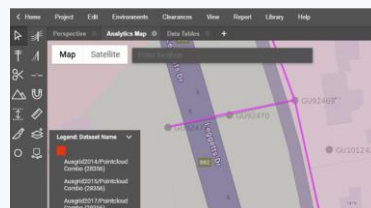
Laptop touchpad: *This is not possible by default. A custom setting would need to be applied to the touchpad (via Windows) where a three-finger-touch replicates a middle mouse button press. If this setting is enabled, the procedure is as per the mouse.*

How do the view controls work in other Neara tabs?

ANALYTICS MAP

ZOOM - controls are as per 3D view (Page 1)

PAN – like Google Maps, click-and-hold the left mouse button whilst moving the mouse to the desired location.



Note: a right-click on this map will open a ‘JUMP TO LOCATION’ option. A left-click on this option will switch the view to the 3D ‘Perspective’ tab, centred on the location that was right-clicked.

Caution: if using the ‘Auto-model’, clicking ‘JUMP TO LOCATION’ will delete the existing model and reload the Auto-model. It is recommended to only do this at the start of a design.