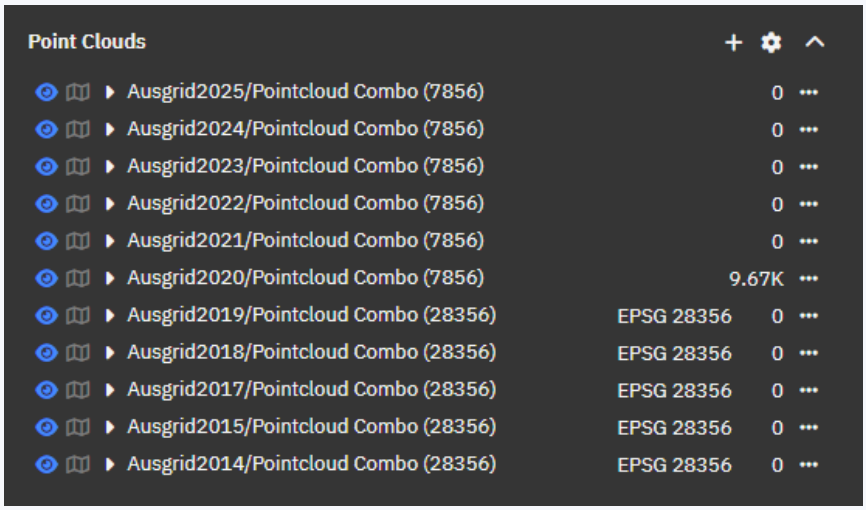
Ausgrid Point Cloud Datasets

Ausgrids current policy for procurement of point cloud is to capture point cloud annually for spans located in bushfire area and every 3 years for all other areas.

In Neara, Ausgrid has arranged the point cloud datasets into the years the point cloud was captured. These datasets are pre-loaded into the design template.

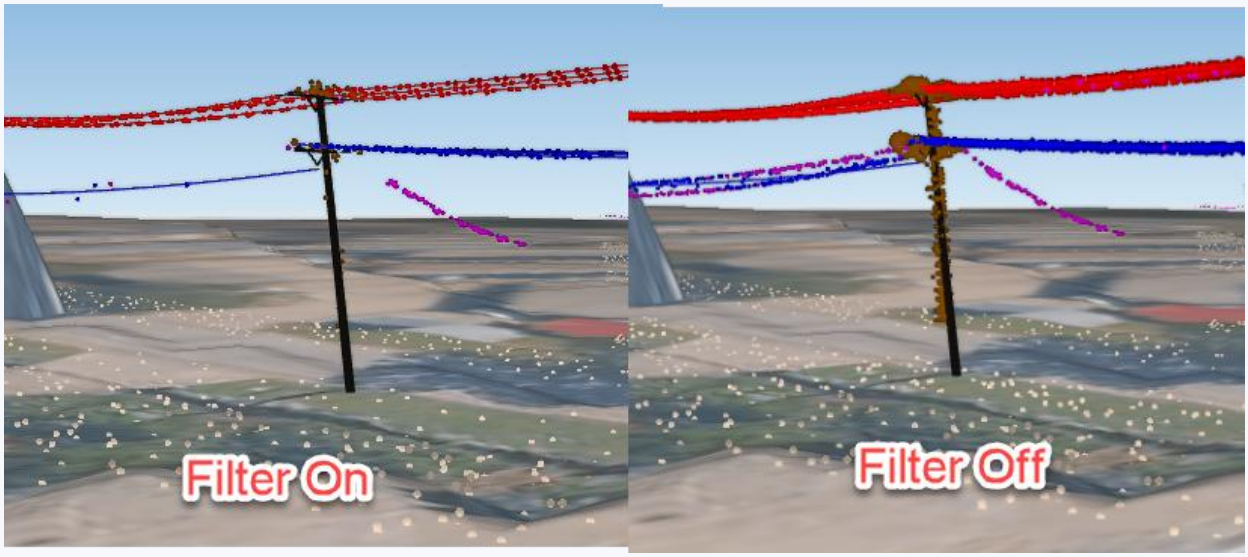
When starting a project, you are required to select at least one point cloud dataset. Ausgrid recommends only selecting one of the Point Cloud combos.



Point Cloud Filter

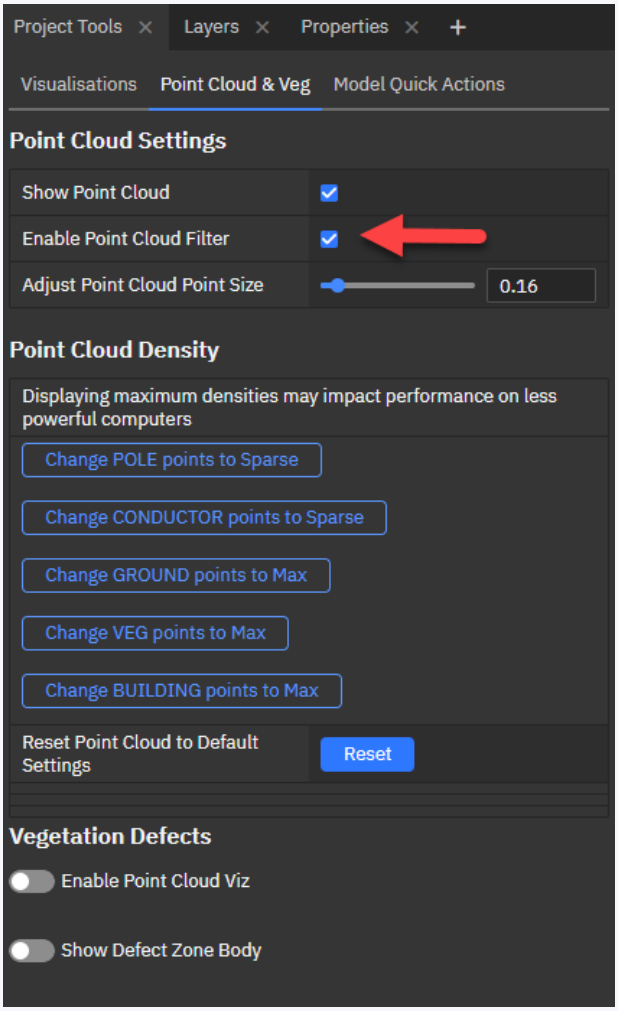
Ausgrid's Network Model has been developed using multiple years of point cloud. As a result, the point cloud used for one span, may not have been captured in the same year for the adjoining span.

A point cloud filter is used to only display the point cloud around the poles and conductors that was used to model the network in that area. The point cloud filter creates a 2.0 metre buffer either side of the span that hides the point cloud from the other datasets that was not used.



Using the Point Cloud Filter

By default, the project template is setup with the point cloud filter activated. Users can disable the point cloud filter under the custom panel “Project Tools > Point Cloud & Veg > Enable Point Cloud Filter”.



Reclassifying Point Cloud

When there is a need to reclassify any point cloud within a project (e.g. floating ground points causing incorrect ground clearance), users will need to permanently deactivate the point cloud filter in the project.

To do this, users will need to change the setting “Apply Point Cloud Reclassifications From Profile” located under design settings to “(none)”. By default the tick box for “Save Point Cloud Reclassifications Inside Project” should automatically be selected.

Important: Users will need to refresh their browser window.

When this has been changed, users will be able to reclassify point cloud by following the articles on the Neara Knowledge Base Website.