

Welcome to the RhinoMarine to Orca3D Translator tool.

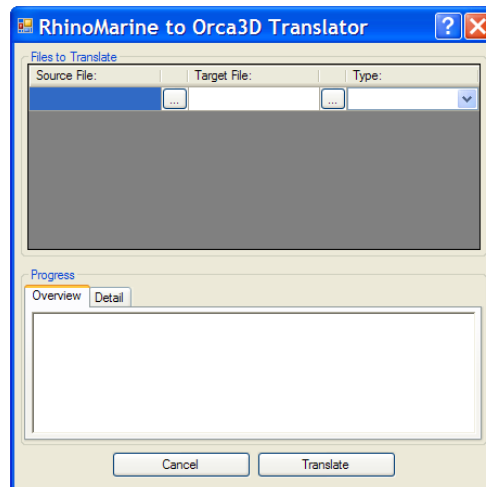
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Introduction:

This tool was developed to help with the transition from RhinoMarine to Orca3D. It takes one or more files with RhinoMarine data and combs through them to pull out any data that can be transferred to Orca3D. While most of the model consists of Rhino data (surfaces, curves, points, etc.) which Orca3D is compatible with, other data that needs to be translated include sections, weight/cost items, points of interest, and other settings such as non-length units, fluid type and density, company name, logo file location, and project description.

Getting Started:

When you start the translator, it will look like this:

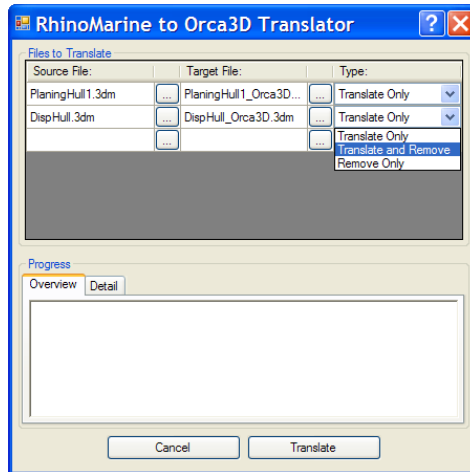


To translate a file, add it to the 'Files to Translate' list, and click 'Translate':

1. To add a file, click on the ellipsis button just to the right of the Source File column and select a file from the dialog that appears.
2. A unique Target File name will be created with the form [Source File Name]_Orca3D. To change this file name, click on the ellipsis button just to the right of the Target File column. **Be careful! If you select an existing file as the target file, it will be overwritten by the translated file!**
3. Select the type of translation you want to perform on this file. (See *Types of Translation* for further explanation)
4. Once you have added all of the files you wish to translate, click 'Translate.' The 'Cancel' button will now change to 'Close.'
5. You may now choose to look through the translator log (See *Understanding the Logs* for more information), select more files to translate, or close the translator if you are done.

Types of Translation:

The translator can handle three types of translation: Translate Only, Translate and Remove, or Remove Only. The mode of translation can be selected line-by-line in the left-most column dropdown menu:



Translate Only: This option creates the Orca3D data without altering your RhinoMarine data in any way.

Translate and Remove: This option creates the Orca3D data and removes any RhinoMarine data that exists in the file. This will make the output file smaller.

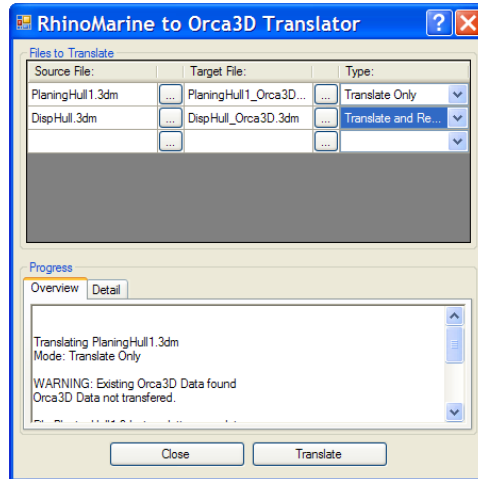
Remove Only: This option is best if you have already manually translated your data into Orca3D but want to reduce the size of your file by removing the RhinoMarine data.

Understanding the Logs:

Under the 'Files to Translate' list, there are two tabs named 'Overview' and 'Detail'. Once you run a translation, these dialogs will show what the translator found in each file.

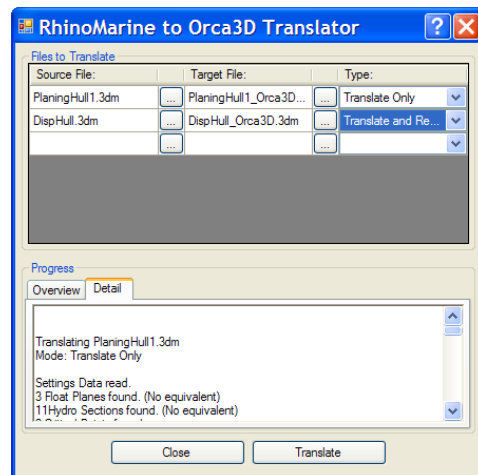
Overview Tab:

The 'Overview' will look similar to this:



This tab will show the file being translated, the mode selected, any errors or warnings raised by the file, when the translation is completed, and how long it took.

Detail Tab:



This tab shows everything that the 'Overview' tab shows, but also shows what RhinoMarine data is found and what is translated into Orca3D data.

Other Notes:

RhinoMarine Sections: If RhinoMarine data is removed, any existing RhinoMarine sections will be left in the model as curve objects.

Orca3D Sections: When a translated file is opened, the Orca3D sections are defined, but not created. To create them, simply run the 'OrcaSectionsRecompute' command or move a control point.

RhinoMarine to Orca3D Translator Software License Agreement

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