

Date: 27 Jan 24

Hello KaroroCAD users,

Happy New Year and welcome to the third of our KaroroCAD update news letters.

Quite a few things to talk about this month:

Rhino 8:

Testing/Bug fixing is moving forward on KaroroCAD for Rhino 8 for Windows - with one tester now using it for production delivery.

There is an ongoing "Display Pipeline" bug that we are trying to track down with help from the team at McNeel/Rhino.

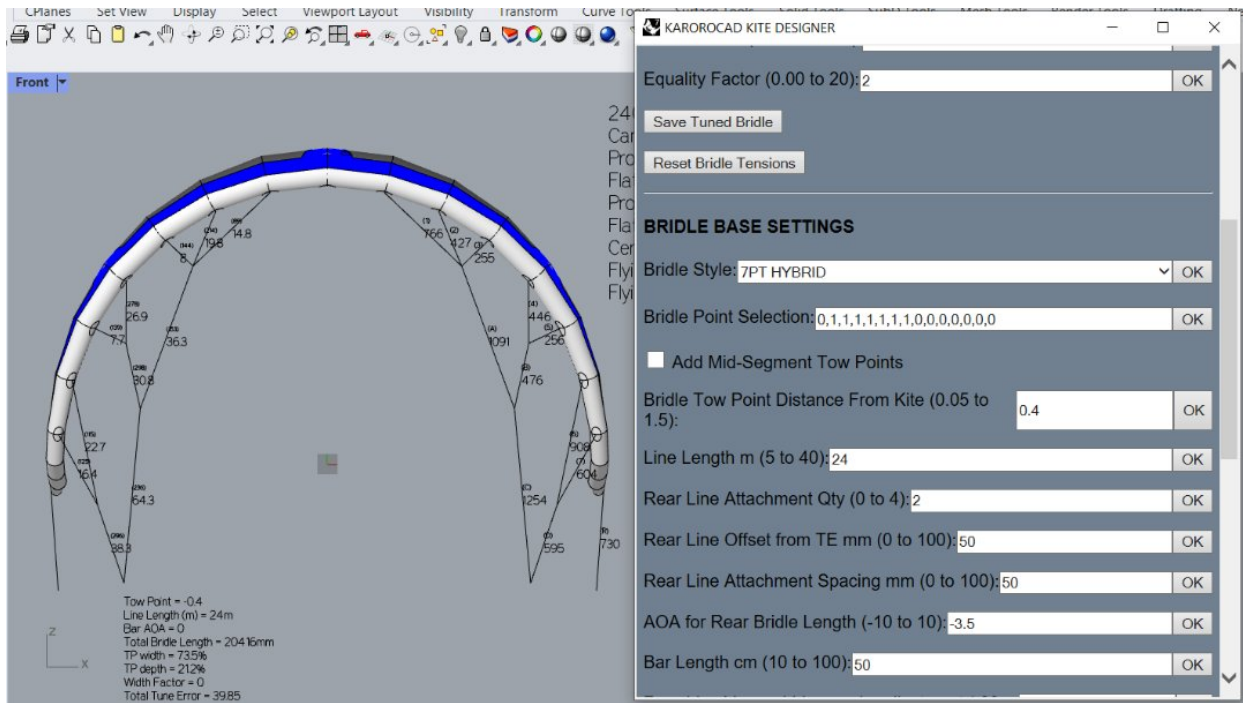
If you have Rhino 8 feel free to install the latest update (links below) and start testing - please let us know if you see any problems.

One very nice update with the Rhino 8 install is you may notice that the user input pages in KaroroCAD 'hold' their position after parameter submit (rather than jumping to the top of the page).

Untested at this stage is KaroroCAD on Rhino 8 for MacOS - let us know if you get a chance to try this setup.

7 Point Hybrid Bridle Option:

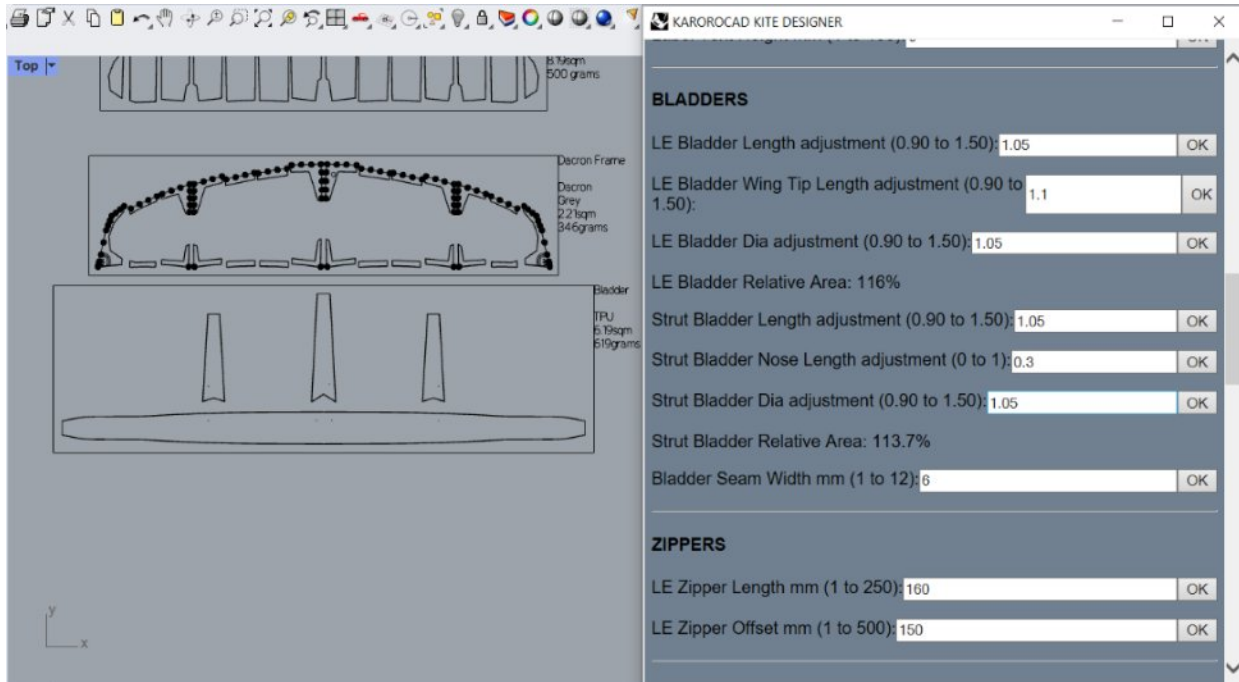
Due to a request from a user we have added a 7pt Hybrid Bridle option to the bridle menu



Bladder Controls:

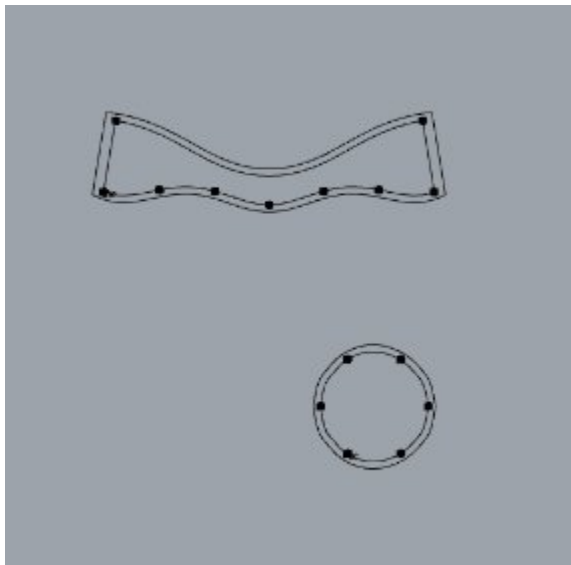
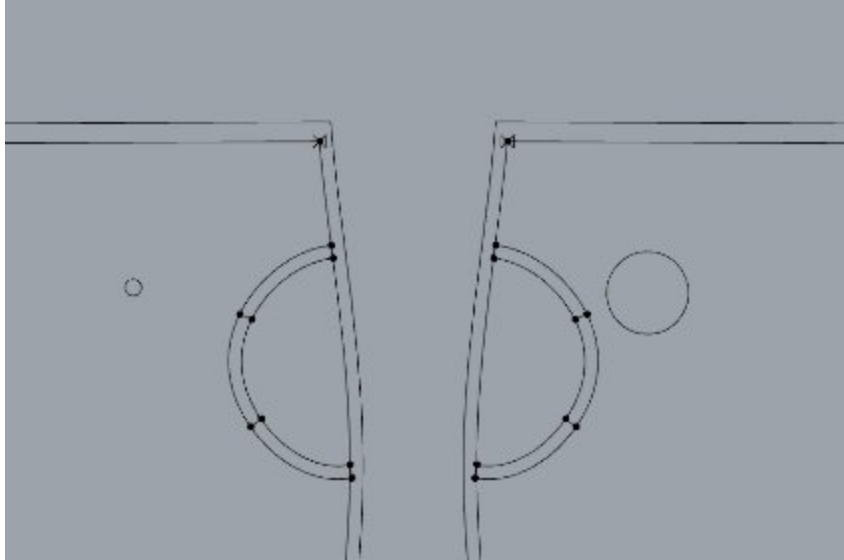
There has been a major update to the bladder generation code in both Kite and Wing designer

- Separate controls for lengths/diameter adjustments for LE and Struts
- LE bladder taper a better match to LE diameters in the wingtips
- Valve placement position bug found/fixed
- Bladder Area vs LE/Strut fabric area feedback now shown in the UI



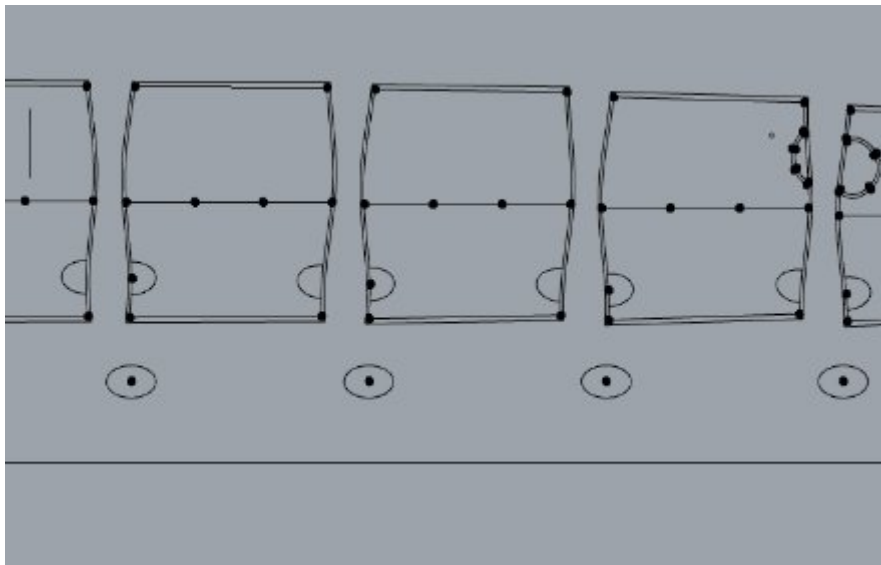
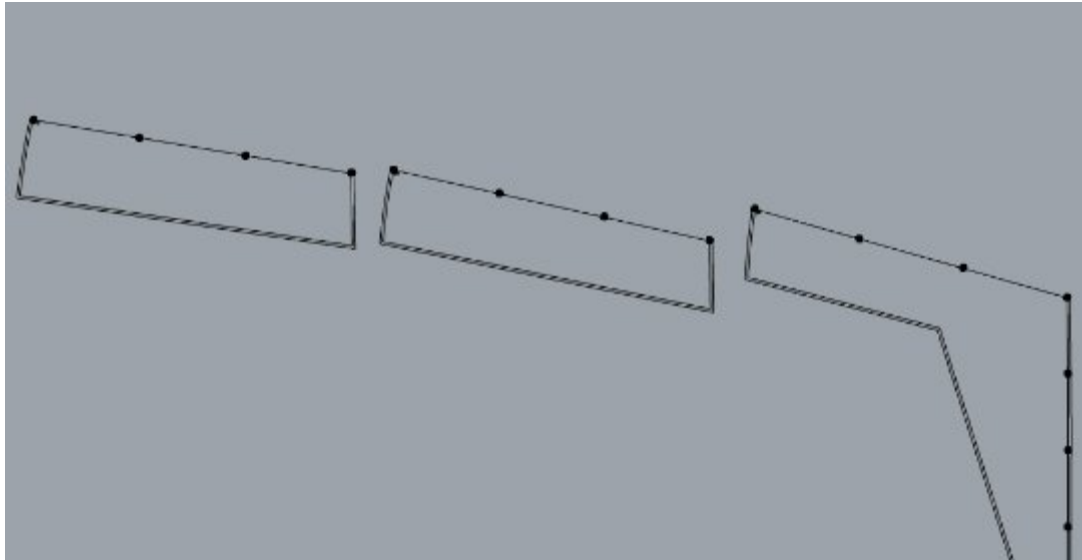
Strut Attachment Seams markings and points:

A seam allowance and extra marking points have been added to the strut markings on the LE



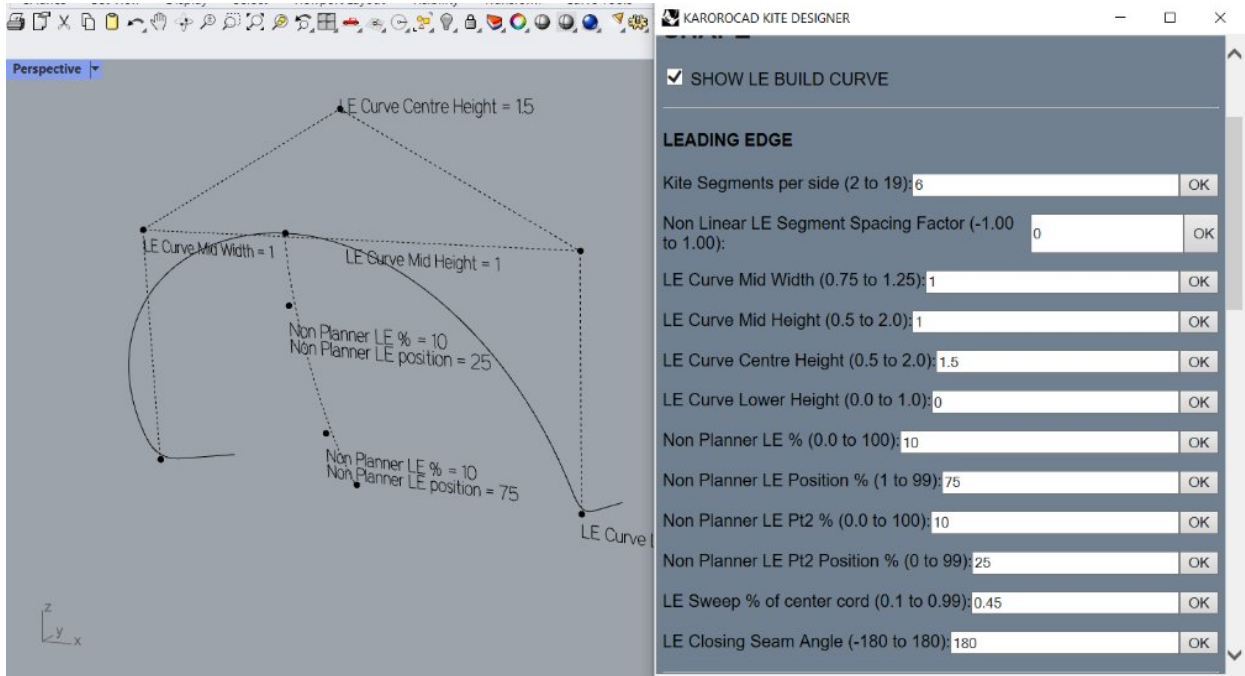
LE to Canopy Attachment Guide Points:

To better align the canopy to the LE we have added extra marking points



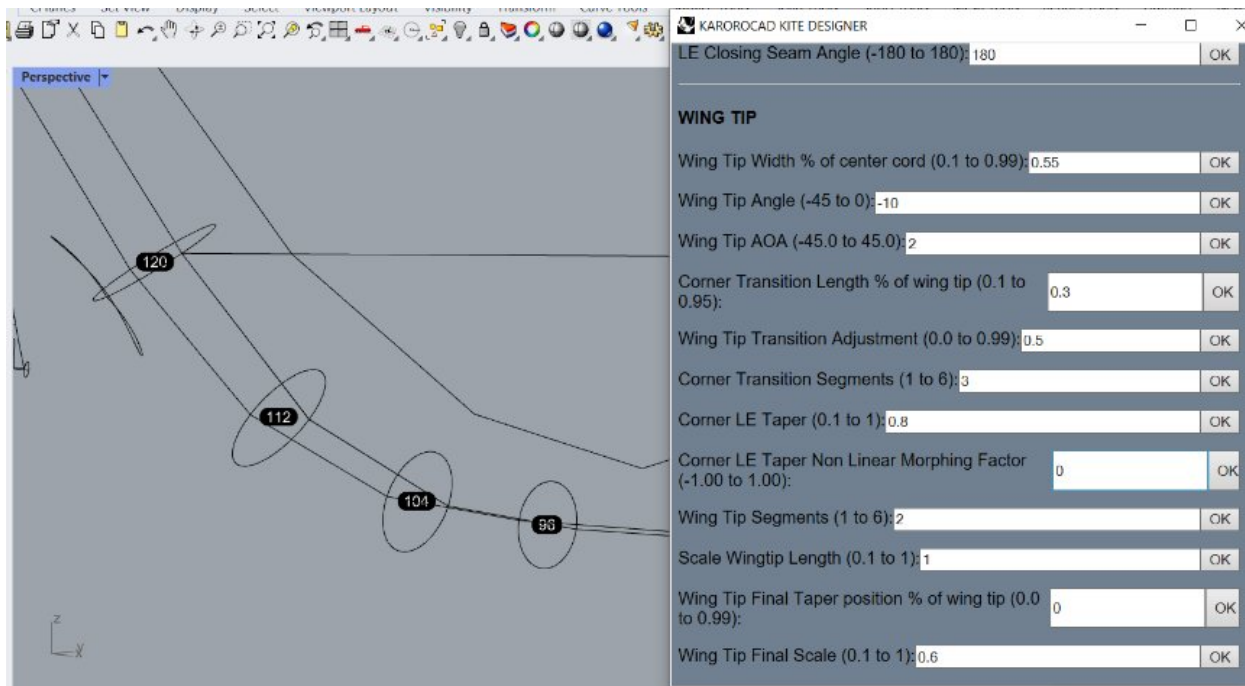
Second Non-planner LE control point option:

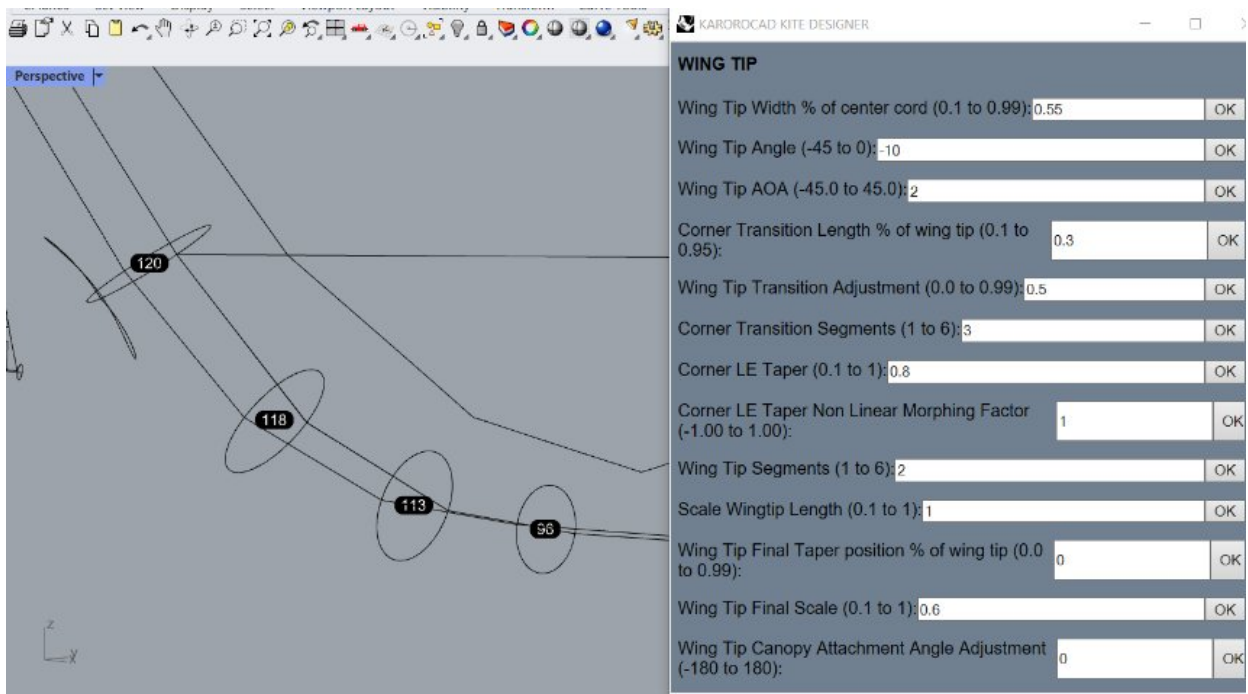
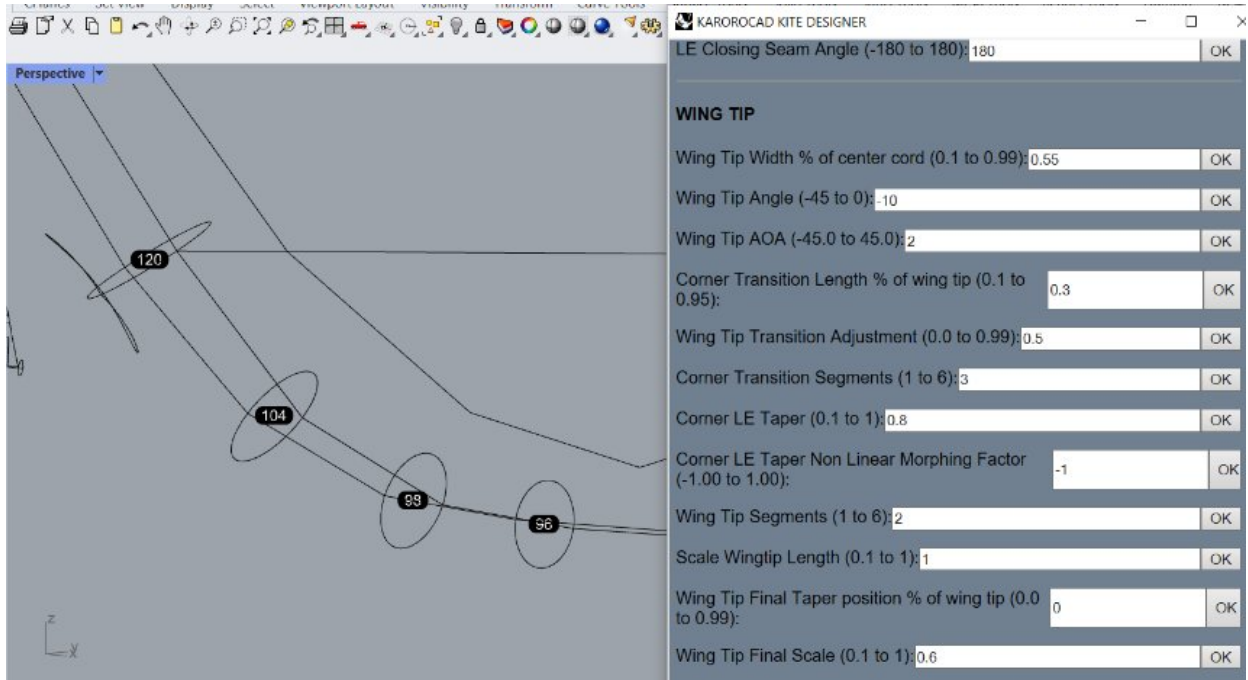
For more control over the shape of the LE curve there is now an option to add a second control point (in both Kite and Wing)



Non-linear taper for corner segments:

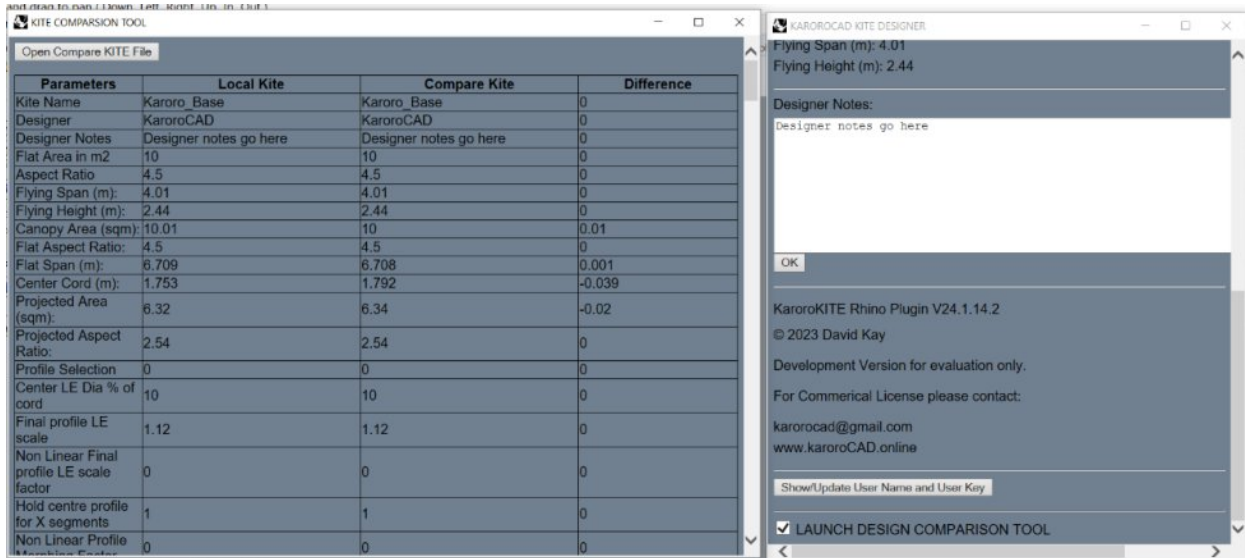
To help tune the diameters of the LE through the corner transition there is now a non-linear morphing factor





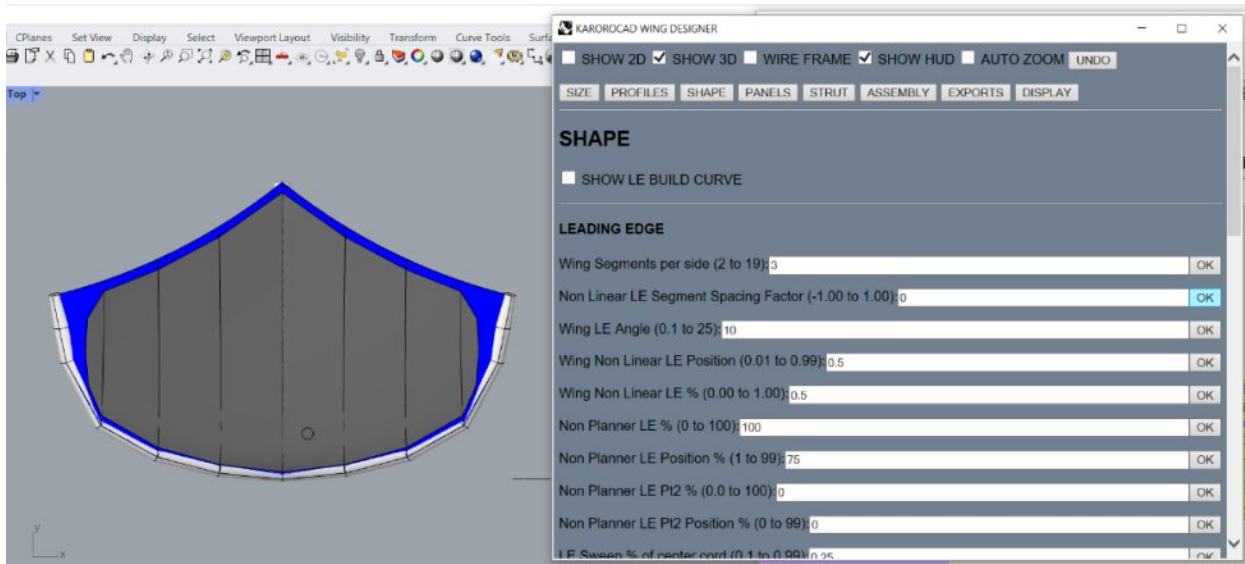
Design Comparison Tool:

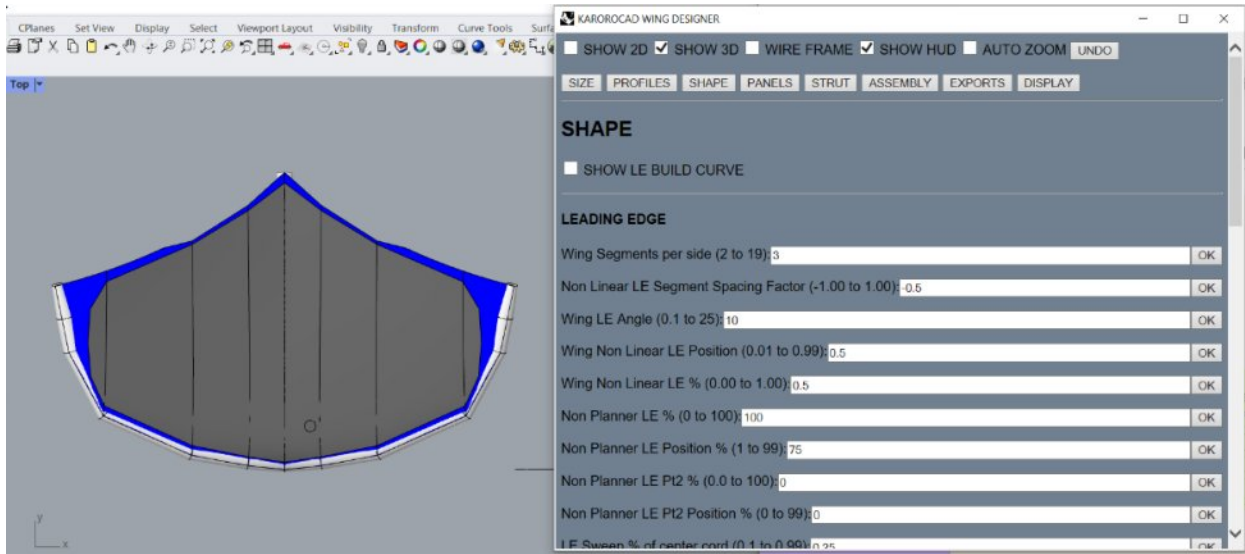
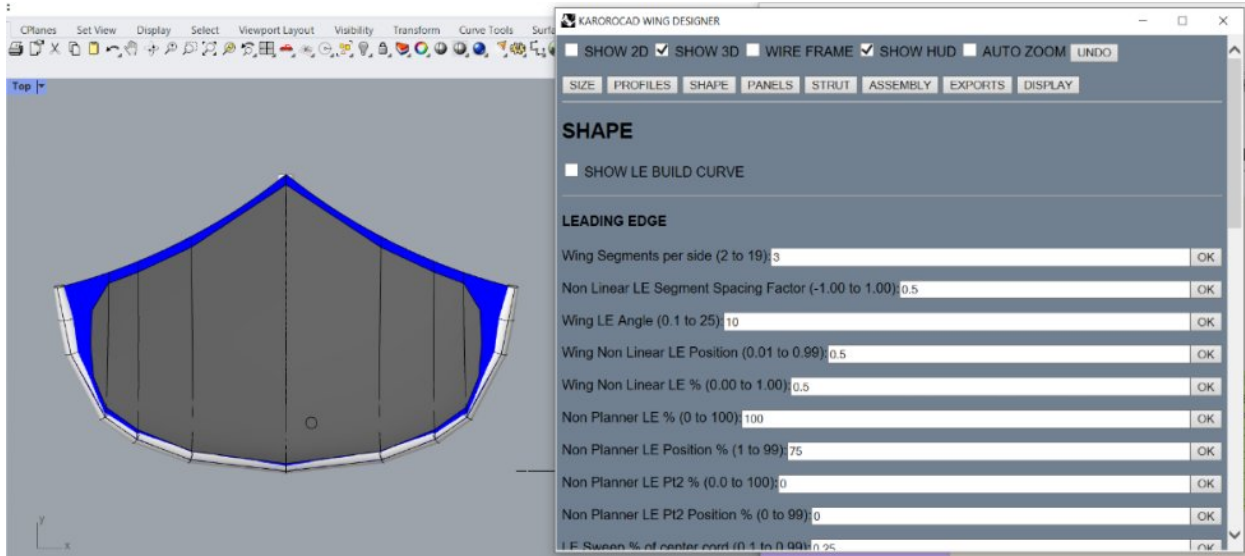
This feature returns after being removed as part of the move to cross platform KaroroCAD. This allows you to compare parameters of the current kite/wing with any saved file:



Non-even LE/Canopy panel spacing:

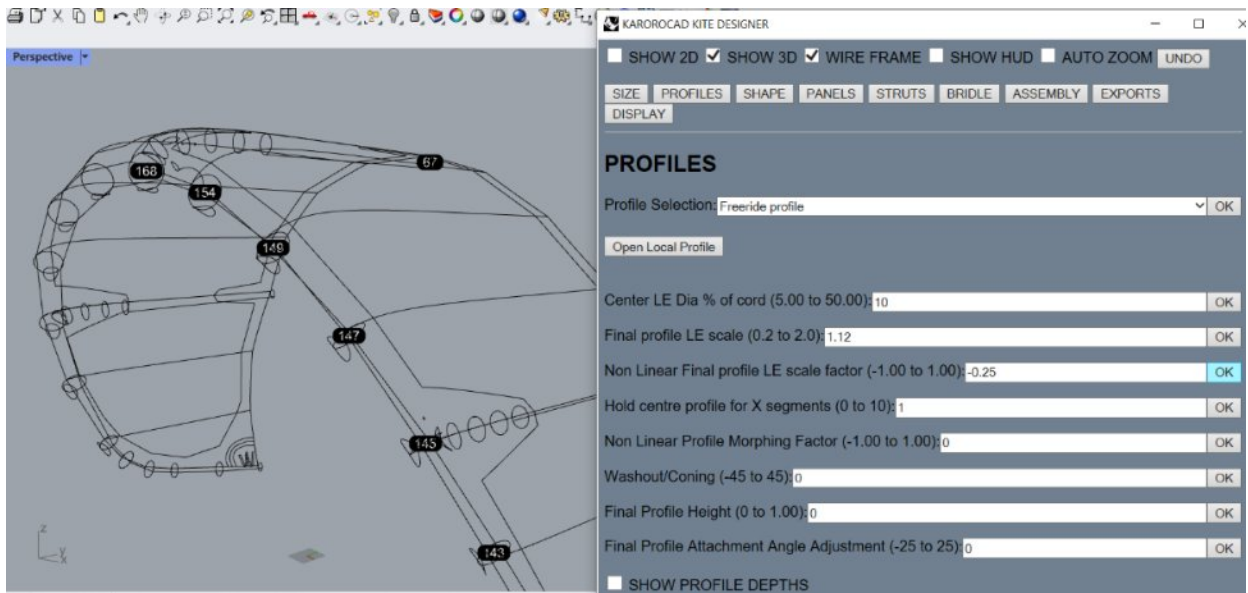
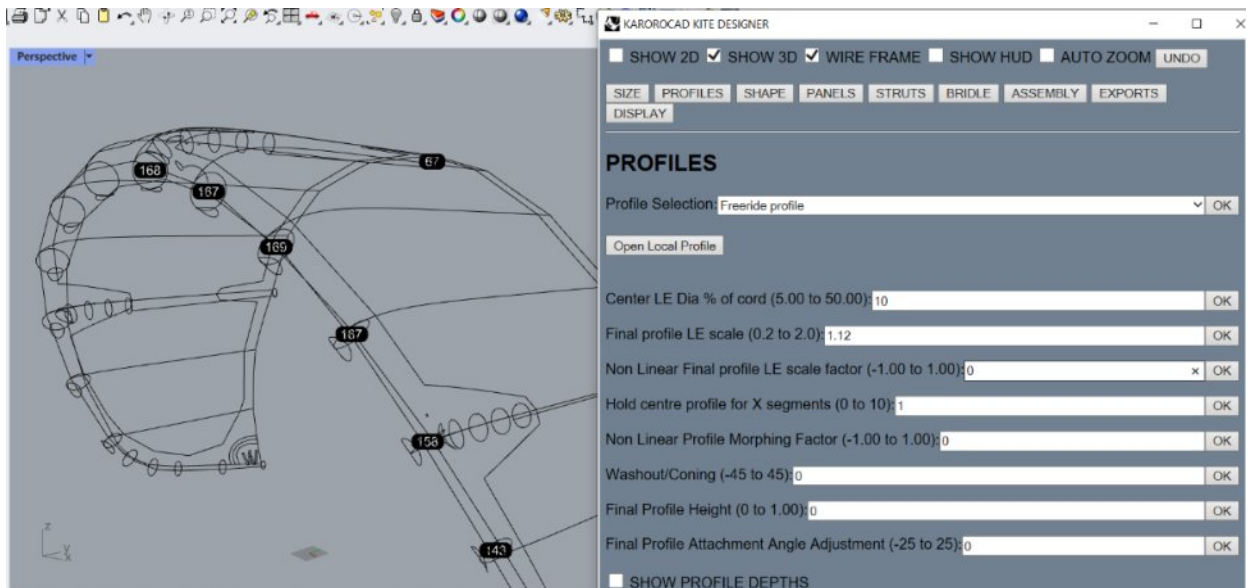
Now available on both Kite and Wing is the ability to spread the panel spacing in a non-even basis





Non linear scaling of LE taper:

To help tune the diameters of the LE from the center to the wing tip there is now a non-linear morphing factor



Misc and Bug Fixes:

- Per Seam Strut Values in WING not saving - FIXED
- Several Parameters ranges not set to correctly match the parameter - FIXED
- Two Piles now labelled as Two Piles in the 2D export file
- More adjustment range added to LE and TE reinforcement taper
- File type filters now work on LOAD and SAVE of .KITE/.WING files
- Added UI code to keep scroll height on parameter submit (Only works in R8 as R7 UI lacks support)
- Fixed some export layers and colours
- Added some code to deal with strut LE caps that do not run over a intersegment seams

- Added Equality factor to bridle tune

Latest Install Files:

Windows

MacOS

These are for version 24.1.27 updated today

Latest Dependency Files (if required):

Windows

MacOS

***Links Removed - please email karorocad@gmail.com for latest links

As always - thank you very much to all the feedback/feature requests from our users, this is the only way this project improves and grows.

If you have any questions or comments please feel free to email or WhatsApp on the details below.

Best Regards,

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