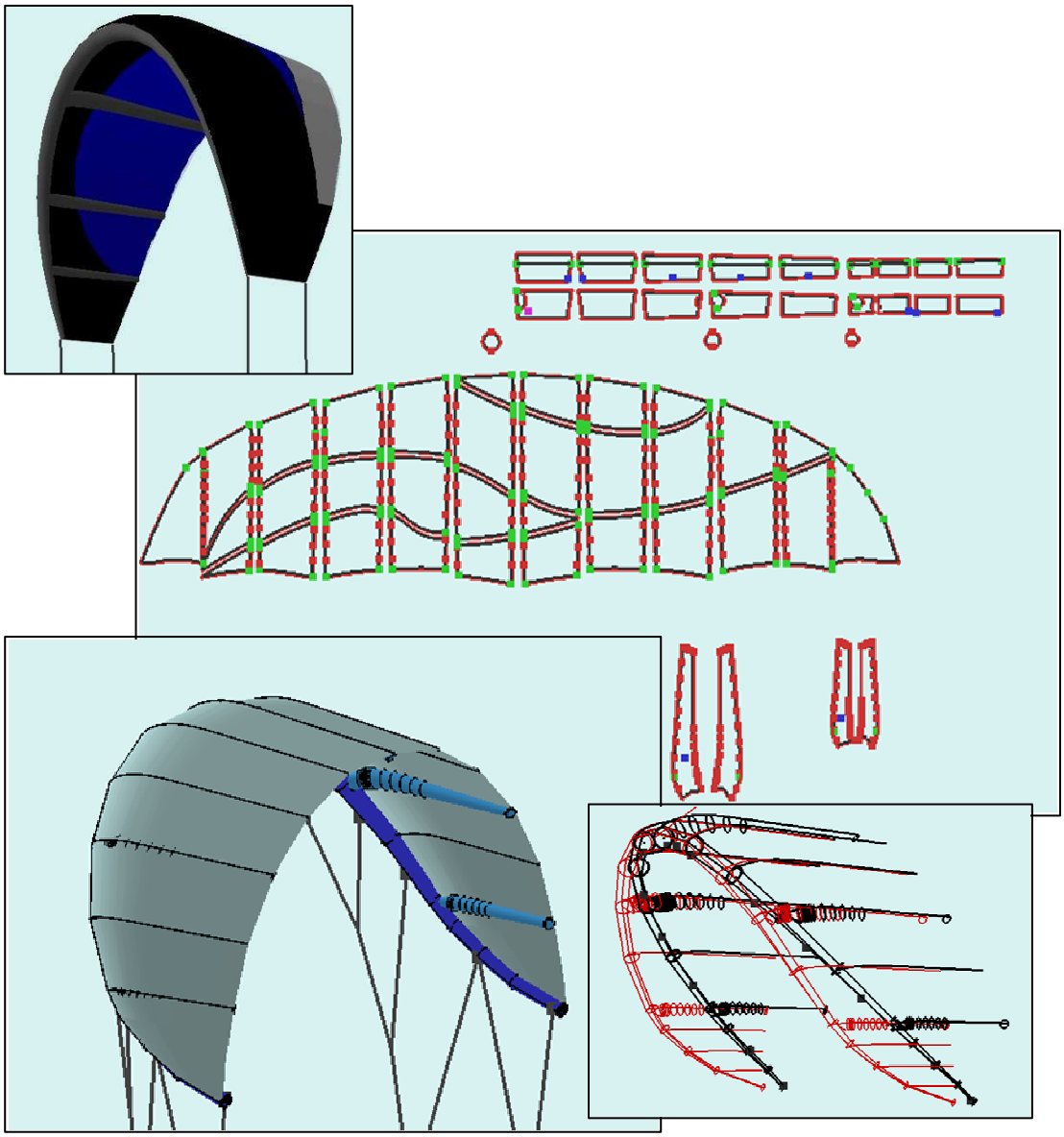
New features V1.5
ikDesign V1.5

Advanced software
for Inflatable kite design

www.wingdesignsoftware.net



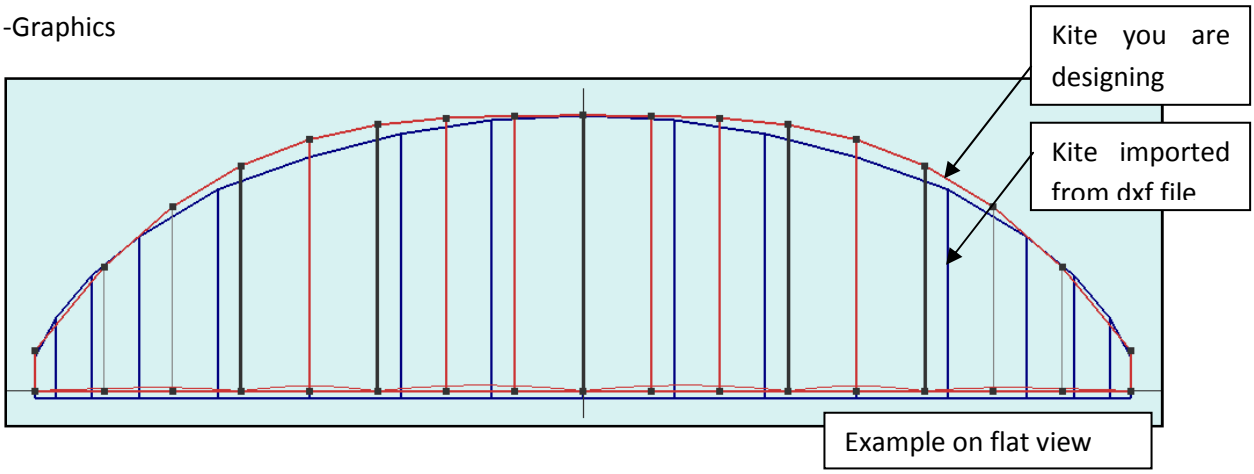
New features ikDesign v1.5, 25 Sept. 2008

Features of V1.5

Features of V1.2

1. Display dxf files

With the version 1.5 you can display dxf files on the different views:
- Flat shape
-Canopy
-3D
-Graphics



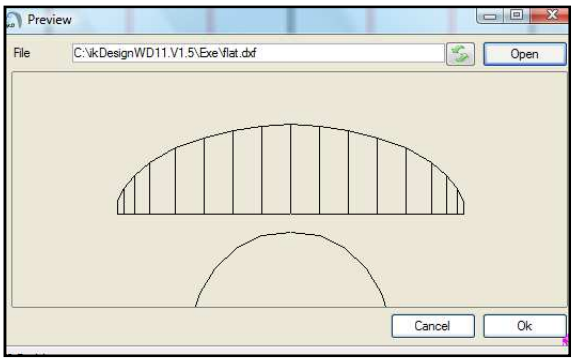
To display a dxf file:

1- Choose the view where you want to import a file. For example flat view.

2- Next click on the button: 

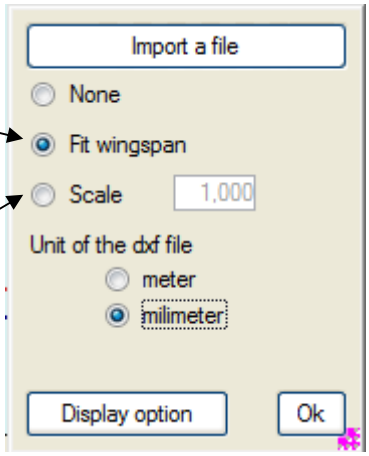
3- Select the file you want to import in your computer.
This file must be in the dxf R12 format.
ikD doesn't support splines and blocks.

4- You can see a preview of the file:
Press ok for validate. If it doesn't work, click on "open" and choose another file.



5- Now you can define the display parameters:
-If you choose “fit wingspan”: The imported kite will be displayed with the same wingspan than the current kite.

-if you choose “scale”: you have to enter the scale value. You have also to select the unit of the dxf file: (millimeter or meter).
-If you select none, it will turn off the display of the dxf file.
-Press ok to close the parameters windows.

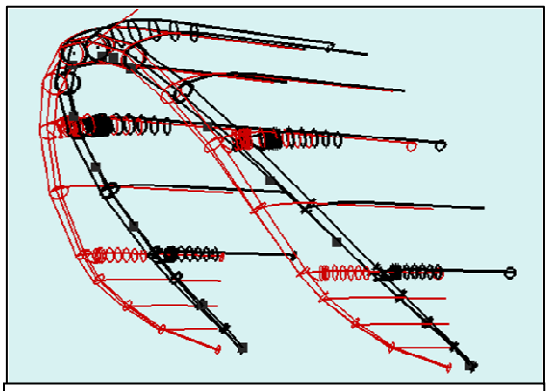


Remarks:

-Each view has its own dxf file.

-In 3D view, you must enter the scale value. Don’t forget to give unit of the dxf file (meter or millimeter)

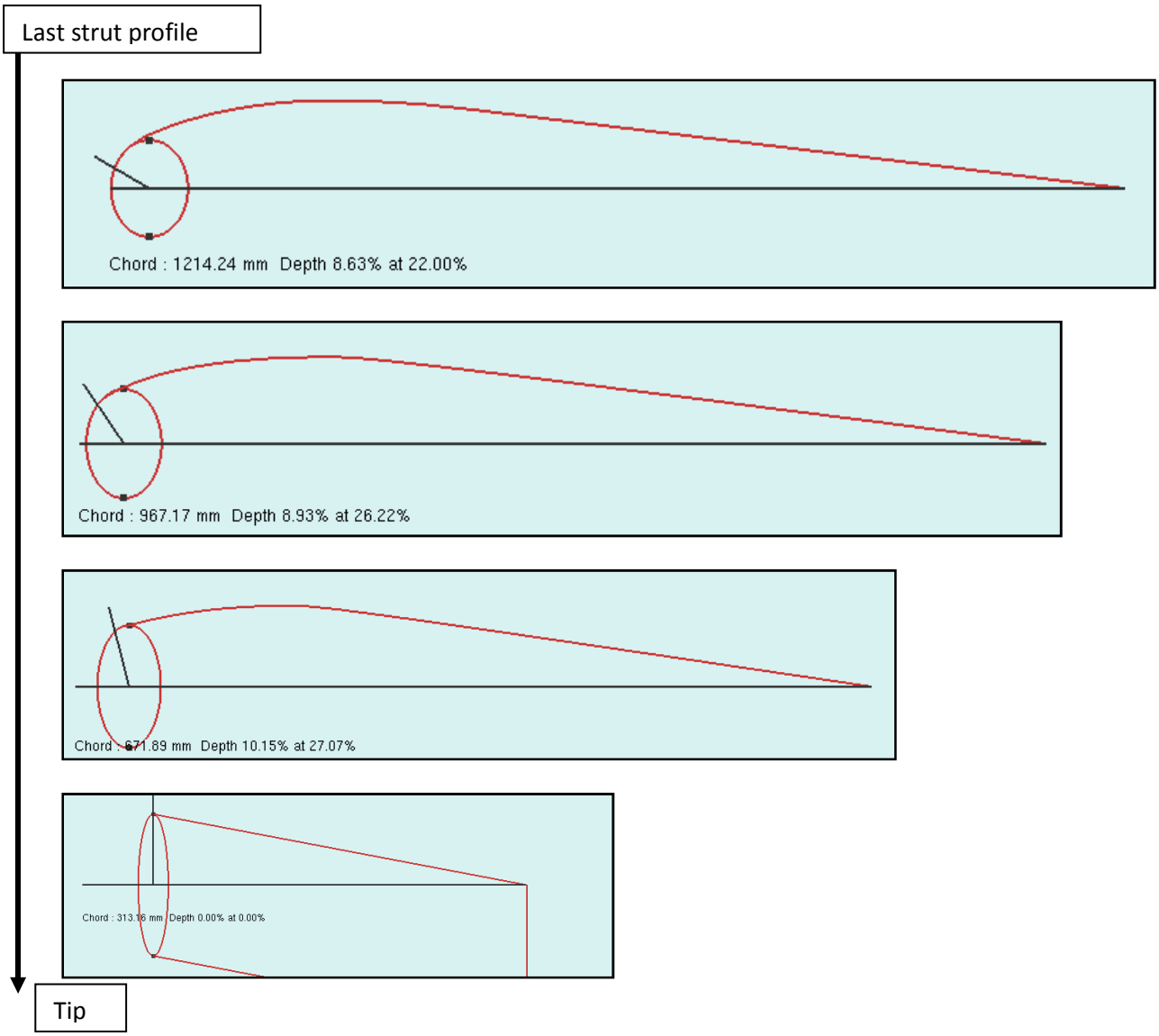
-Each view must be in different dxf file.



Example on 3D view

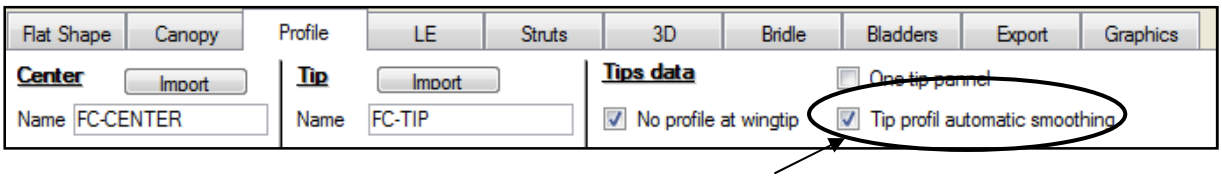
2. Tip profile automatic smoothing

This option let ikDesign calculate the profiles of the tip from the last tip profile.



You can activate this option in the profile tab.

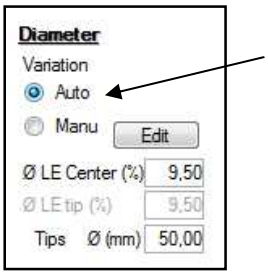
Remarks: to activate this option your kite must be "pointed" or mustn't has a profile on the wingtip.

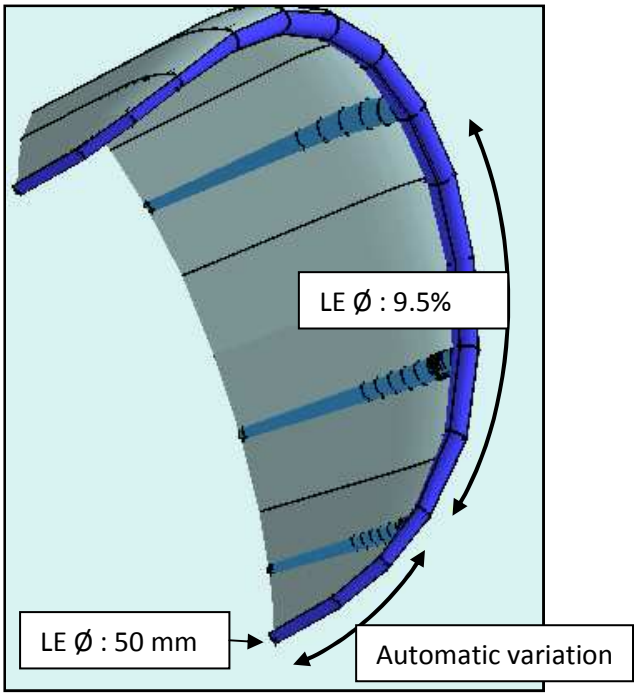


This option allows also to have an automatic calculation for the LE diameter and the uppers skins seams angle:

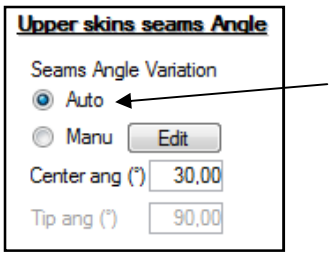
To activate these automatics calculations, you need to be on automatic (LE tab).

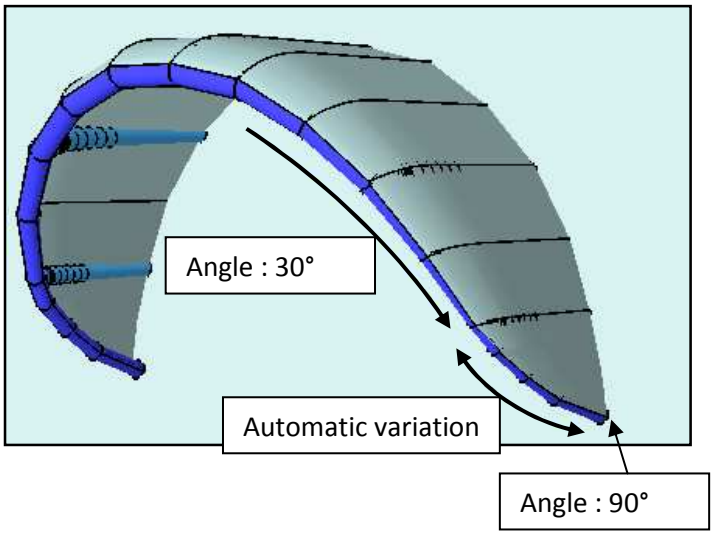
Leading edge Ø





Upper skins seams position





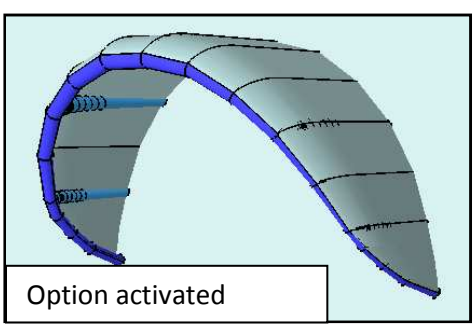
Remarks:

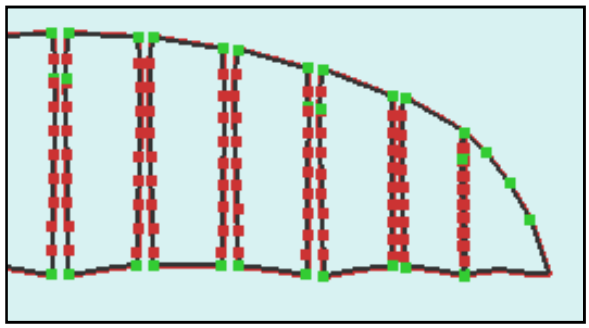
-You can know all the LE Ø profile and the seams position in the LE tab.

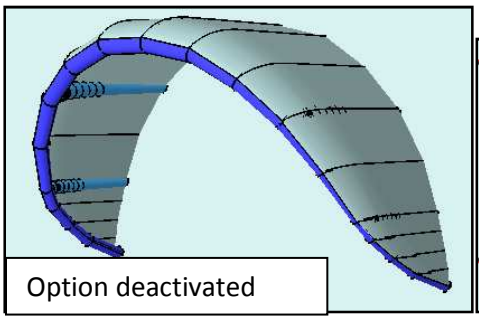
-In manual mode, you are able to trim each value.

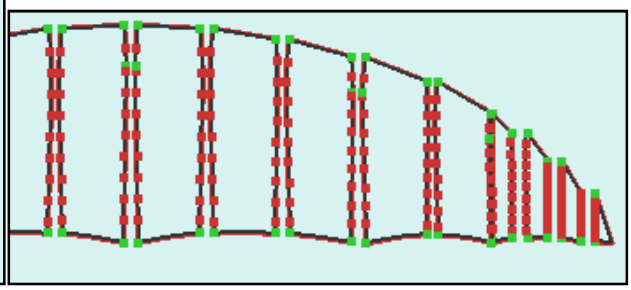
3. One tip panel

Ikdesign can generate one panel for the tip.

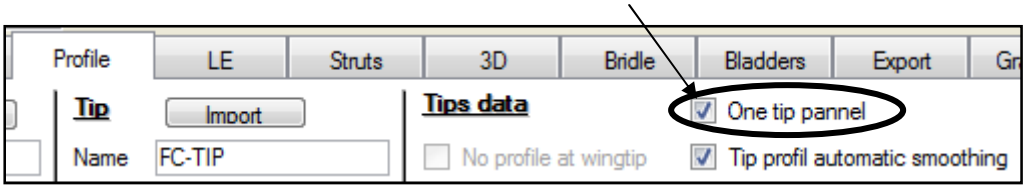








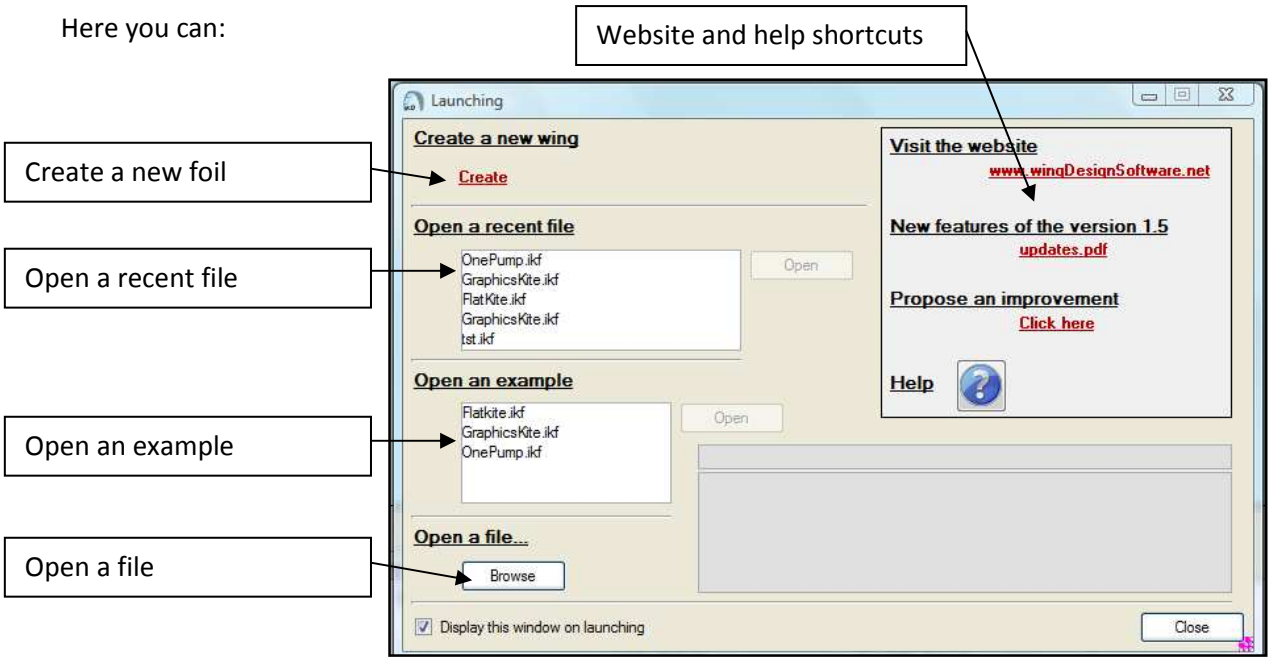
You have access to this option in the profile tab.



4. Launching window

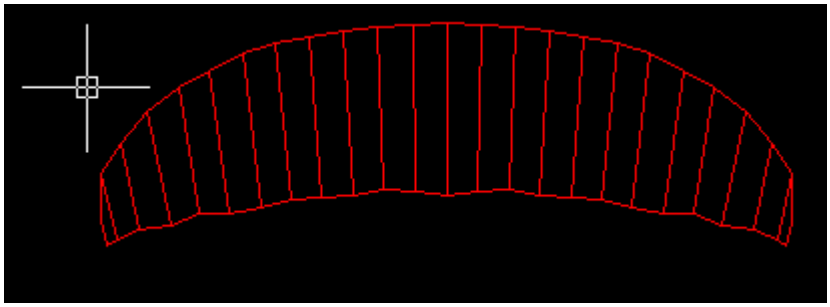
When you start ikDesign, a window with some shortcuts appears.

Here you can:



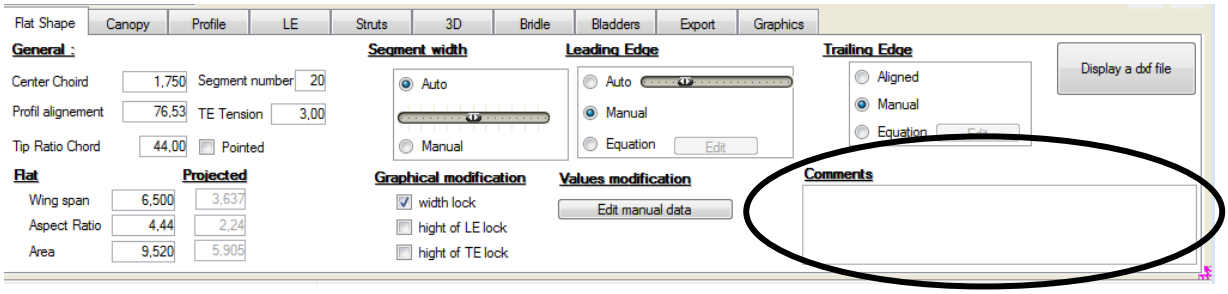
5. Export of a new flat 2D view

Ikdesign also export now a new 2D flat view, calculated from the exported panels.



6. Comments field

You can now put comments with your kite (flat view tab).

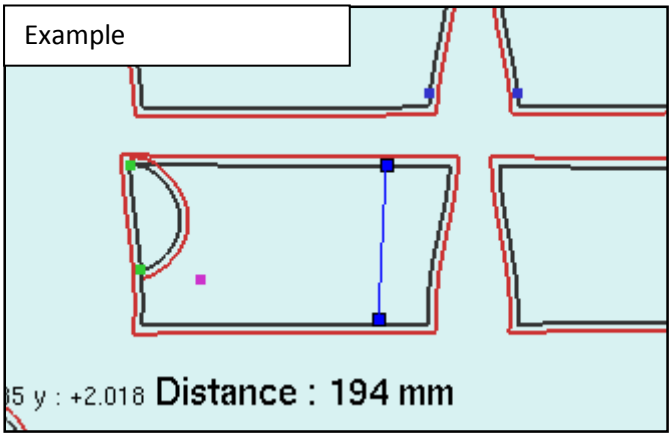


News features of version 1.2

1. Distance measurement

You can measure distances on the view

Example



Click on the button  .Then pick 2 points to know the distance.

Remark: On the demo version, this option is not available in some tabs.

2. Profile data displayed

In profile tab.

You can read:
-The chord.
-The depth value and position.

In Leading Edge tab.

You can read:
-The LE Ø in % of chord.
-The LE Ø in mm.
-The LE Ø in % of wingspan.