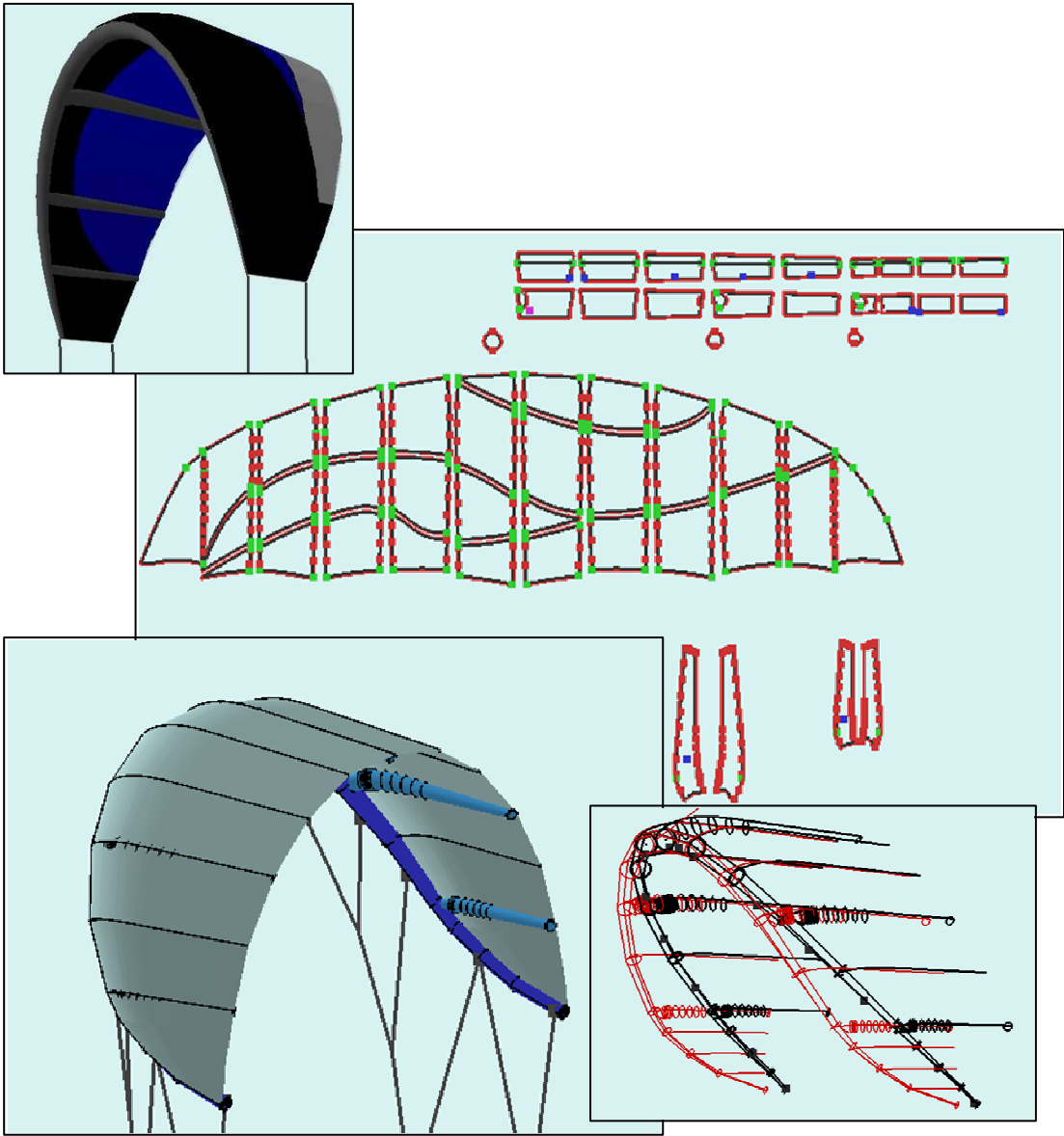


**New features V1.5**  
**ikDesign V1.5**  
**Advanced software**  
**for Inflatable kite design**  
[www.wingdesignsoftware.net](http://www.wingdesignsoftware.net)



New features ikDesign v1.5, 25 Sept. 2008

**Features of V1.5**

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- 5. Export of a new flat 2D view..... 8
- 6. Comments field..... 8

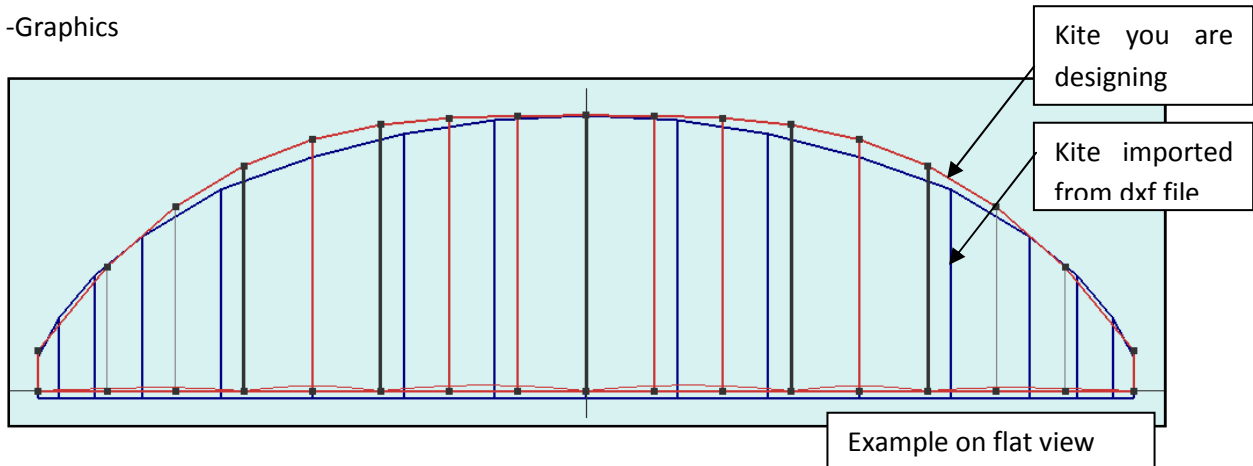
**Features of V1.2**

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## 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:

Display a dxf file

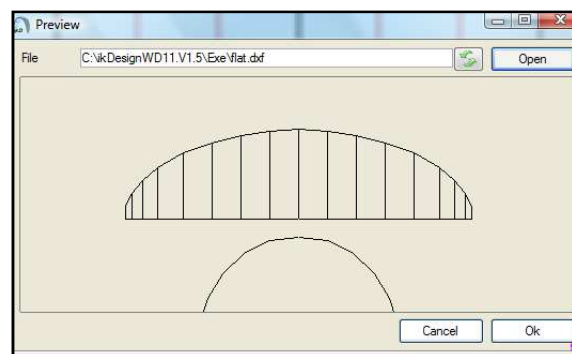
3- Select the file you want to import in your computer.

This file must be in the dxf R12 format.

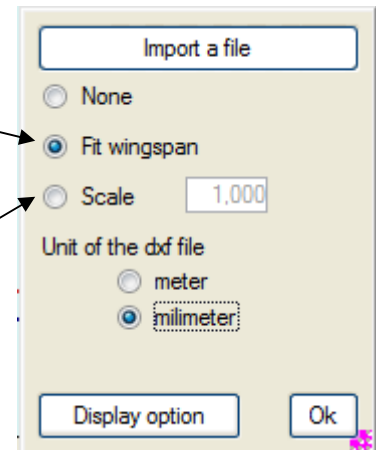
ikD doesn't support splines and blocks.

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.

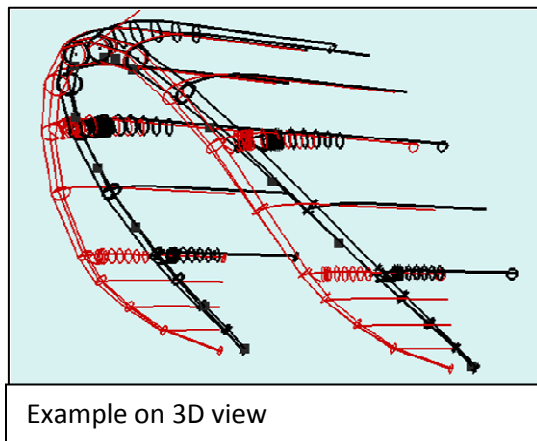


- 5- Now you can define the display parameters:
- If you choose "fit wingspan": The imported kite will be displayed with the same wingspan than the current kite.
  - if you choose "scale": you have to enter the scale value. You have also to select the unit of the dxf file: (millimeter or meter).
  - If you select none, it will turn off the display of the dxf file.
  - Press ok to close the parameters windows.



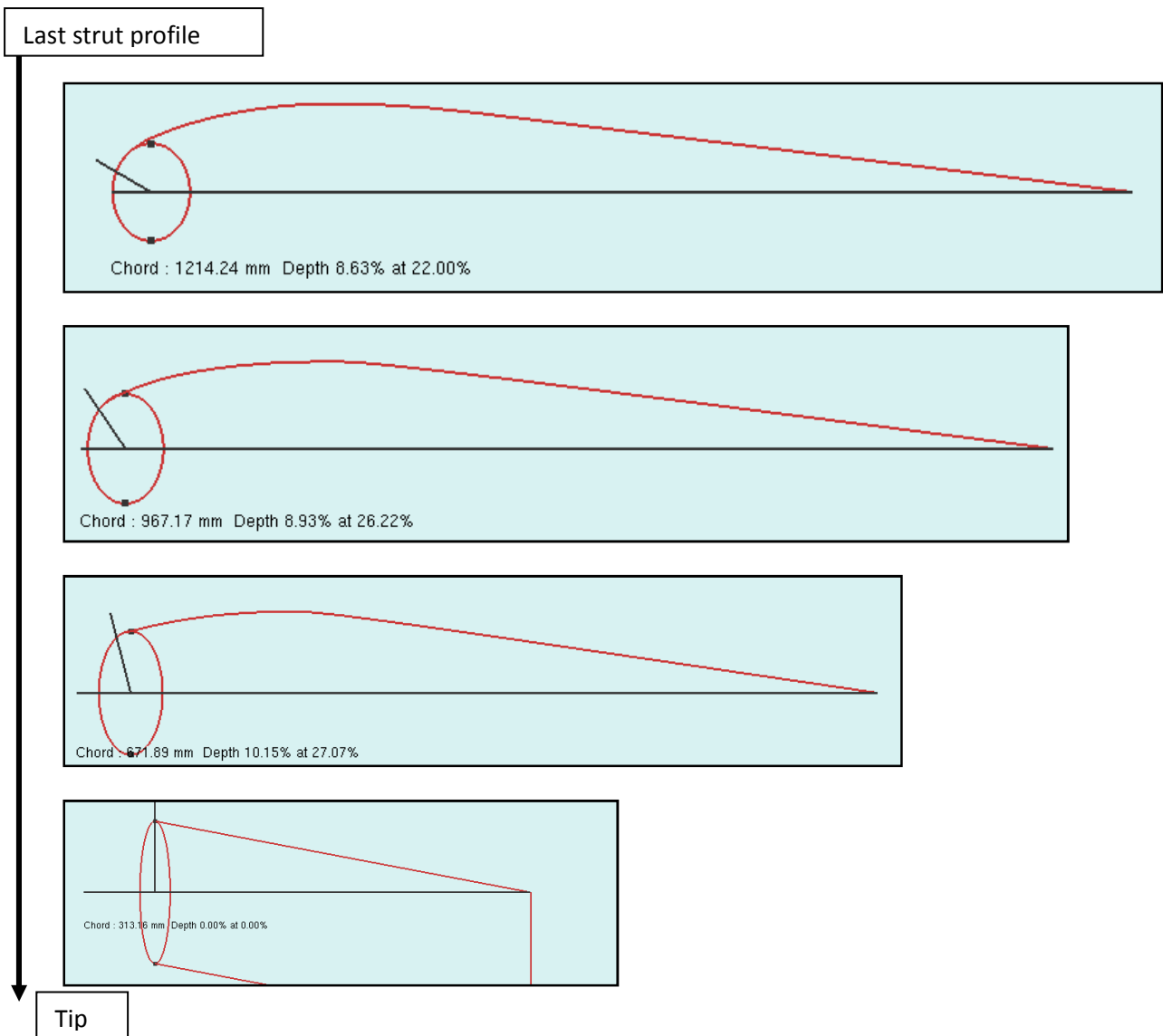
**Remarks:**

- 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.



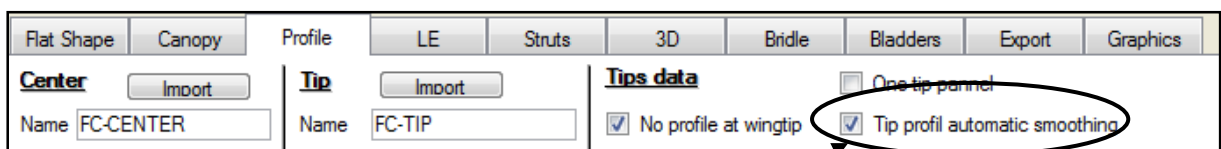
## 2. Tip profile automatic smoothing

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.

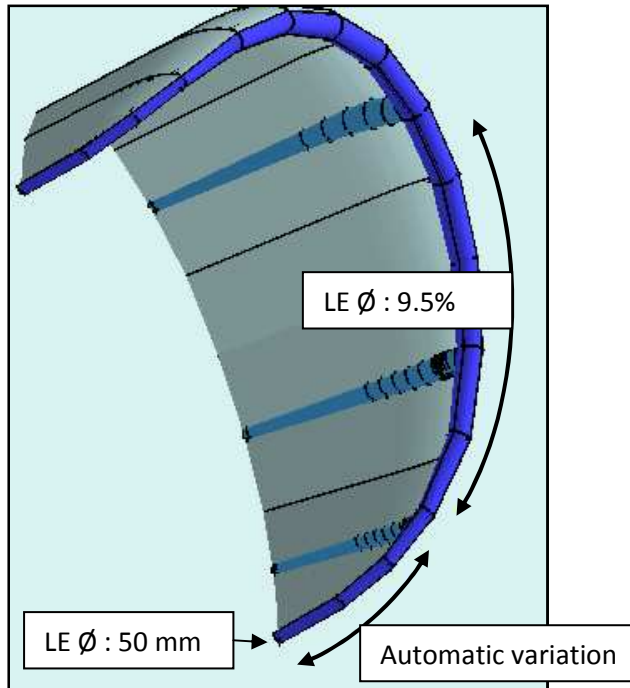


This option allows also to have an automatic calculation for the LE diameter and the uppers skins seams angle:

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

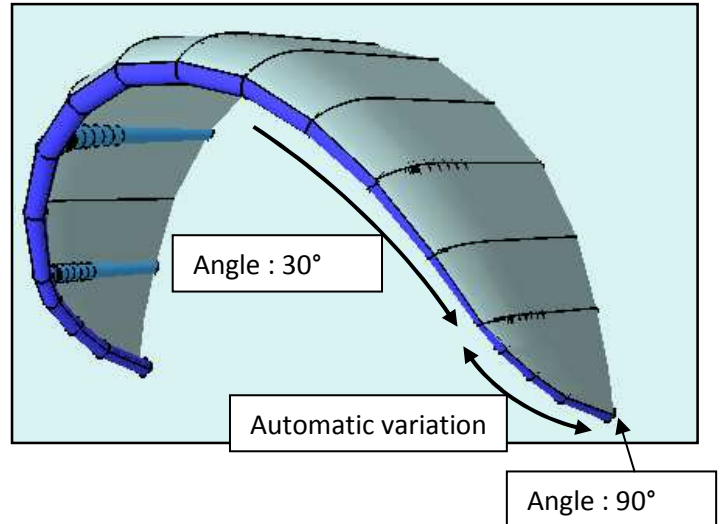
### Leading edge Ø

<b>Diameter</b>	
Variation	
<input checked="" type="radio"/> Auto	←
<input type="radio"/> Manu	<input type="button" value="Edit"/>
Ø LE Center (%)	9,50
Ø LE tip (%)	9,50
Tips Ø (mm)	50,00



### Upper skins seams position

<b>Upper skins seams Angle</b>	
Seams Angle Variation	
<input checked="" type="radio"/> Auto	←
<input type="radio"/> Manu	<input type="button" value="Edit"/>
Center ang (°)	30,00
Tip ang (°)	90,00

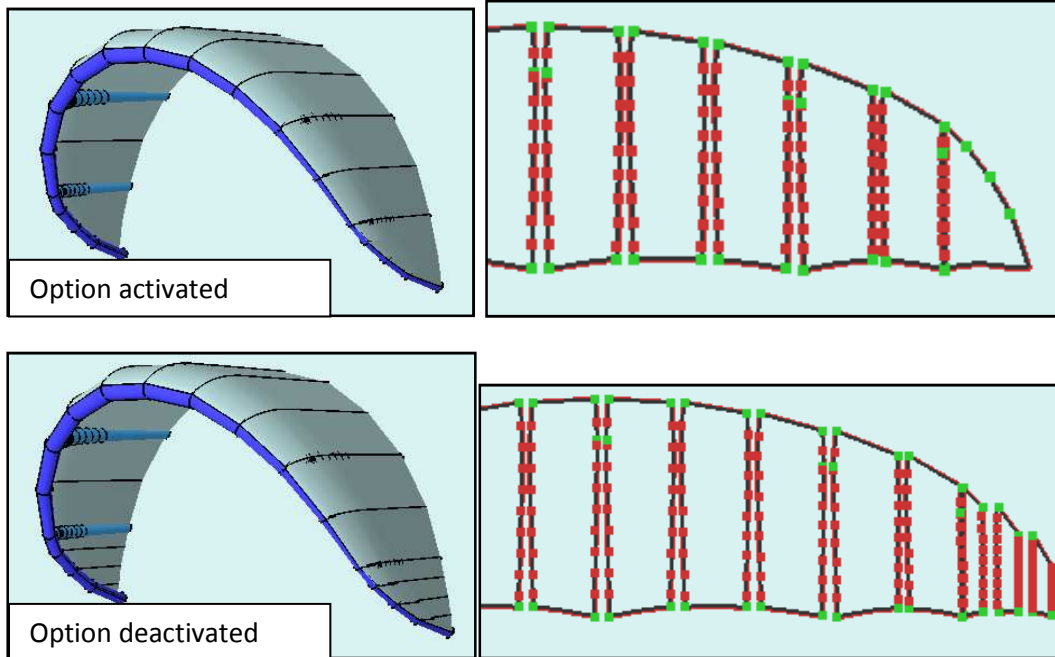


### Remarks:

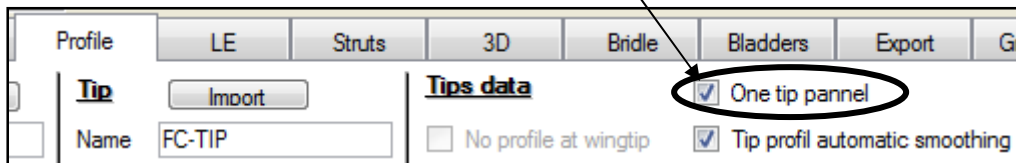
- You can know all the LE Ø profile and the seams position in the LE tab.
- In manual mode, you are able to trim each value.

### 3. One tip panel

Ikdesign can generate one panel for the tip.



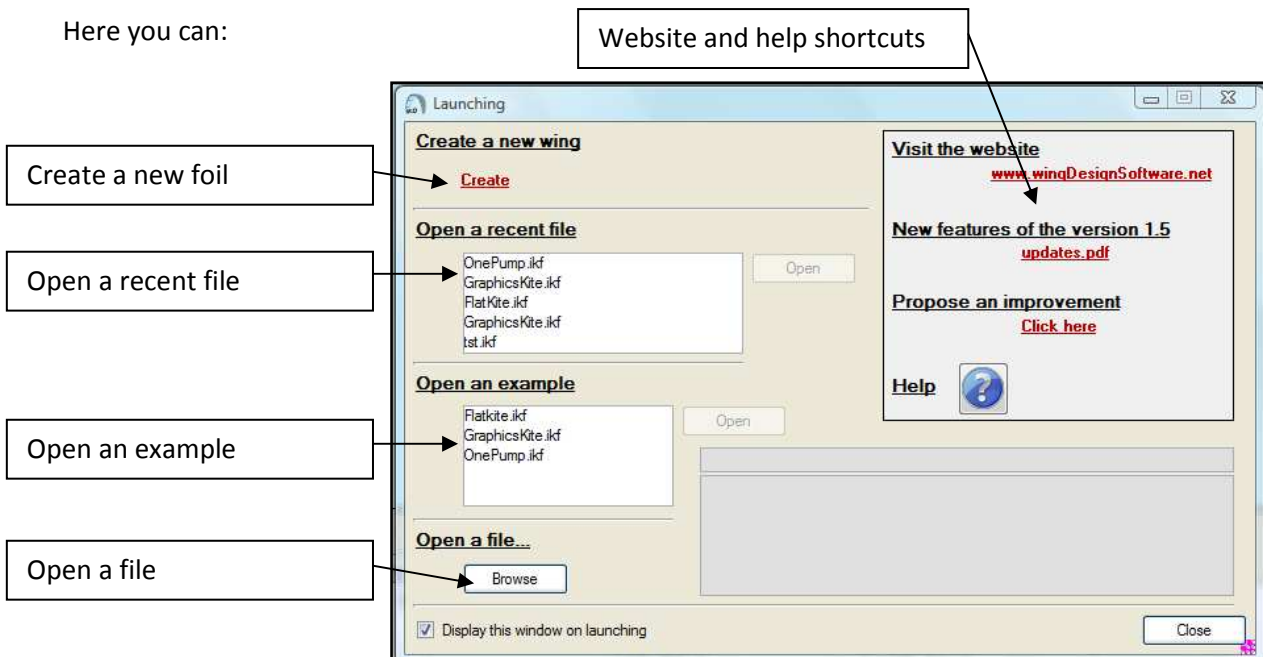
You have access to this option in the profile tab.



### 4. Launching window

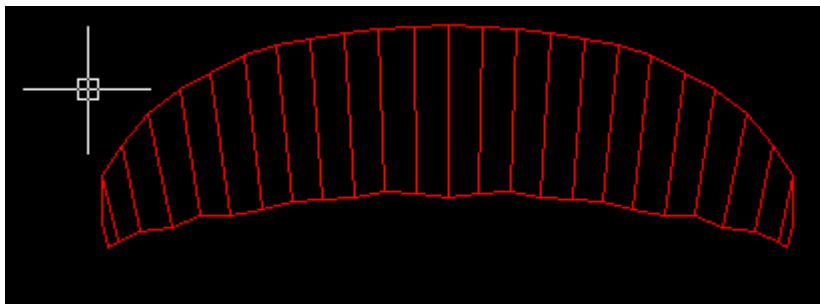
When you start ikDesign, a window with some shortcuts appears.

Here you can:



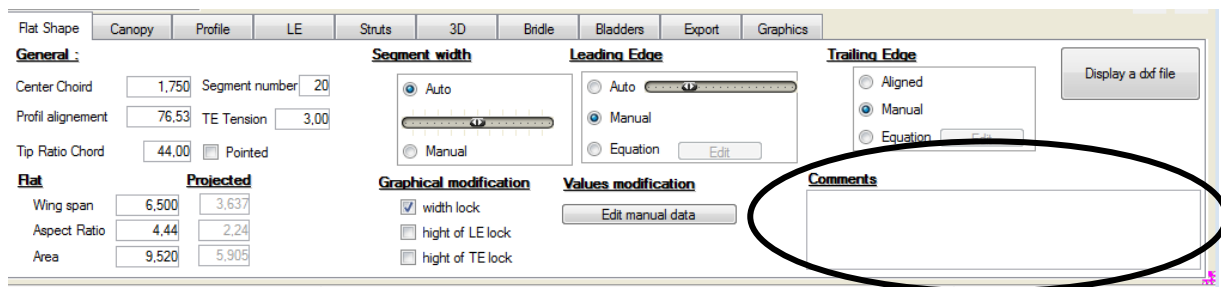
### 5. Export of a new flat 2D view

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



### 6. Comments field

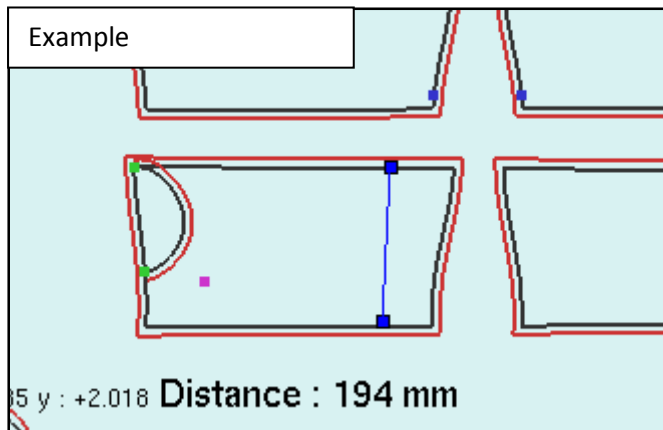
You can now put comments with your kite (flat view tab).




## News features of version 1.2

### 1. Distance measurement

You can measure distances on the view



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

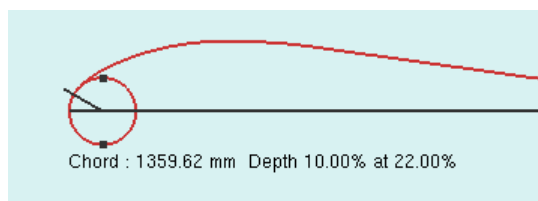
**Remark:** On the demo version, this option is not available in some tabs.

### 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  $\emptyset$  in % of chord.
- The LE  $\emptyset$  in mm.
- The LE  $\emptyset$  in % of wingspan.

