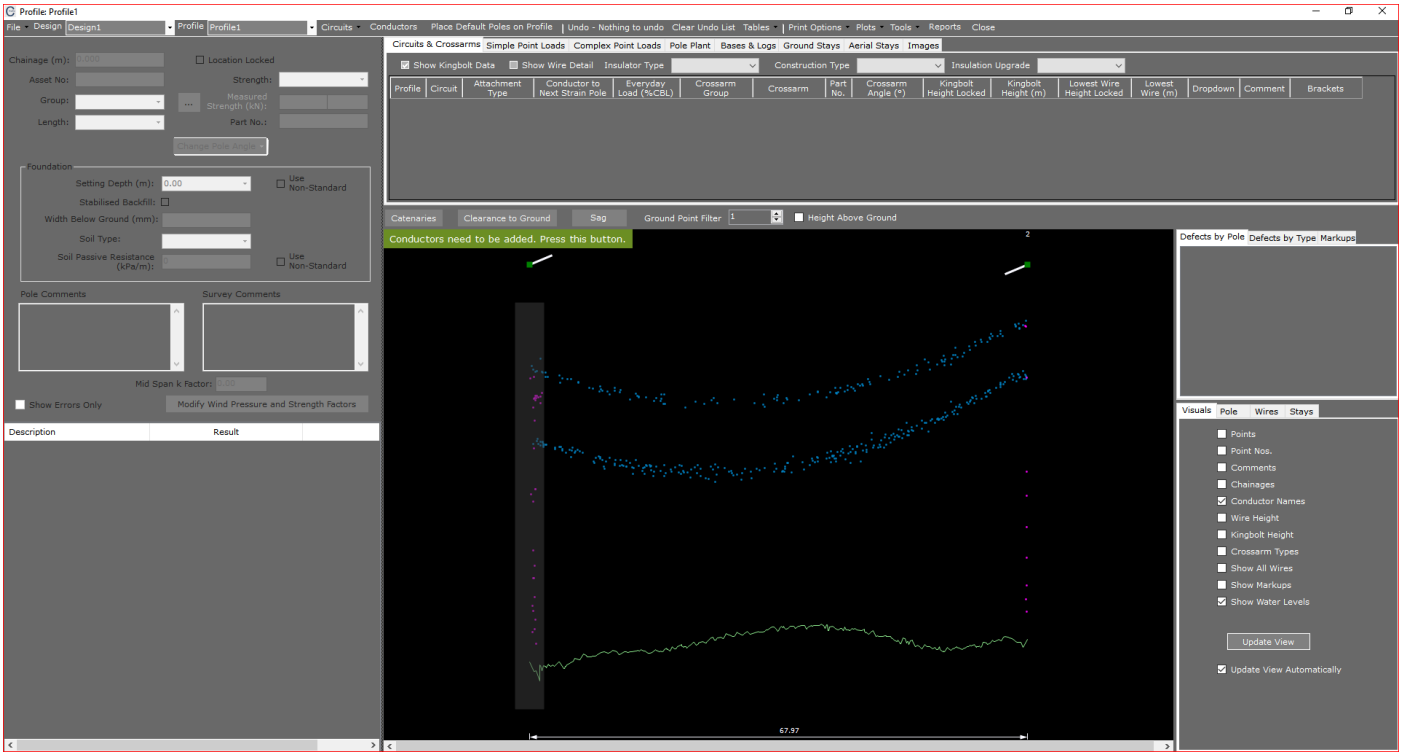
Place Default Poles on a Lidar Based File

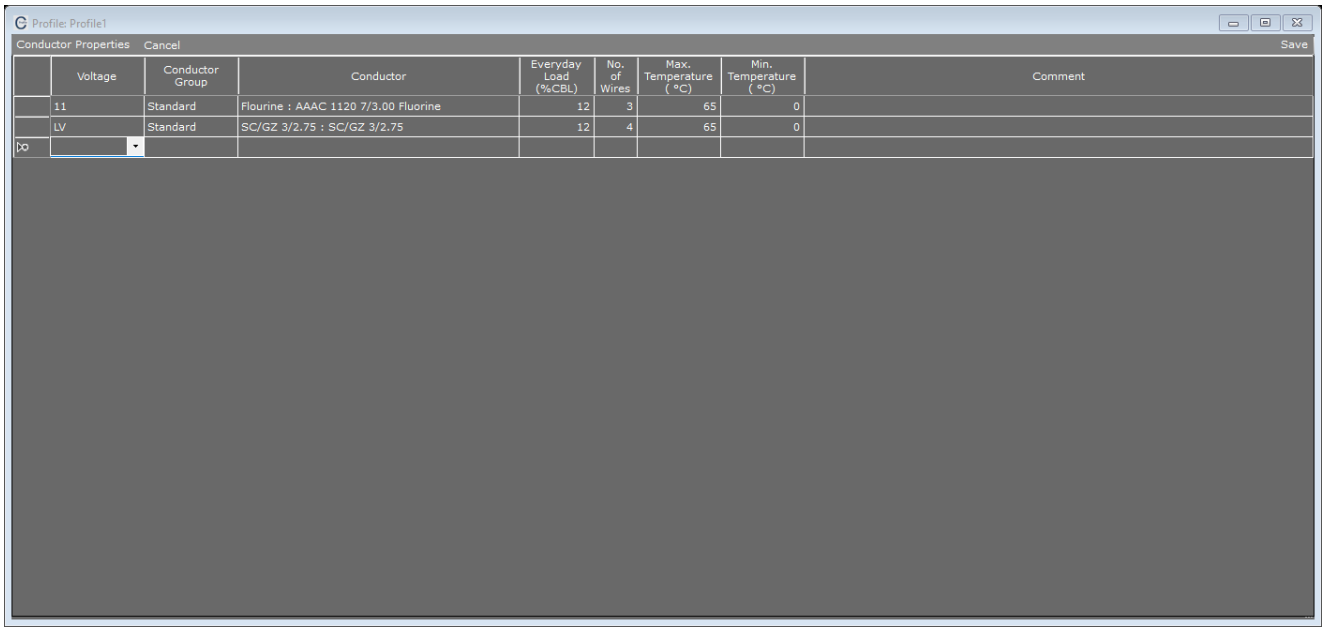
This walkthrough shows how to build a design on a profile created from Lidar Data. The walk through is also appropriate for any job where there are existing poles. The purpose of this tool is to provide a starting point for your design that you can then amend to suit the reality of your job.

It is assumed that the lidar data has already been imported, the digital terrain model formed, and a profile created.

1. Open the file you wish to use.
2. Go to the Profile view. You should see something similar to the screen below.



3. Press the button **Conductors need to be added. Press this button.**
4. A new form will be displayed. This form is used to add conductors to the current Profile. In this example we will add 2 conductors as it is clear from the lidar that there are 2 circuits in this span. Press **Save** once you have entered the data and you will be returned to the Profile view.



	Voltage	Conductor Group	Conductor	Everyday Load (%CBL)	No. of Wires	Max. Temperature (°C)	Min. Temperature (°C)	Comment
	11	Standard	Flourine : AAAC 1120 7/3.00 Fluorine	12	3	65	0	
	LV	Standard	SC/GZ 3/2.75 : SC/GZ 3/2.75	12	4	65	0	

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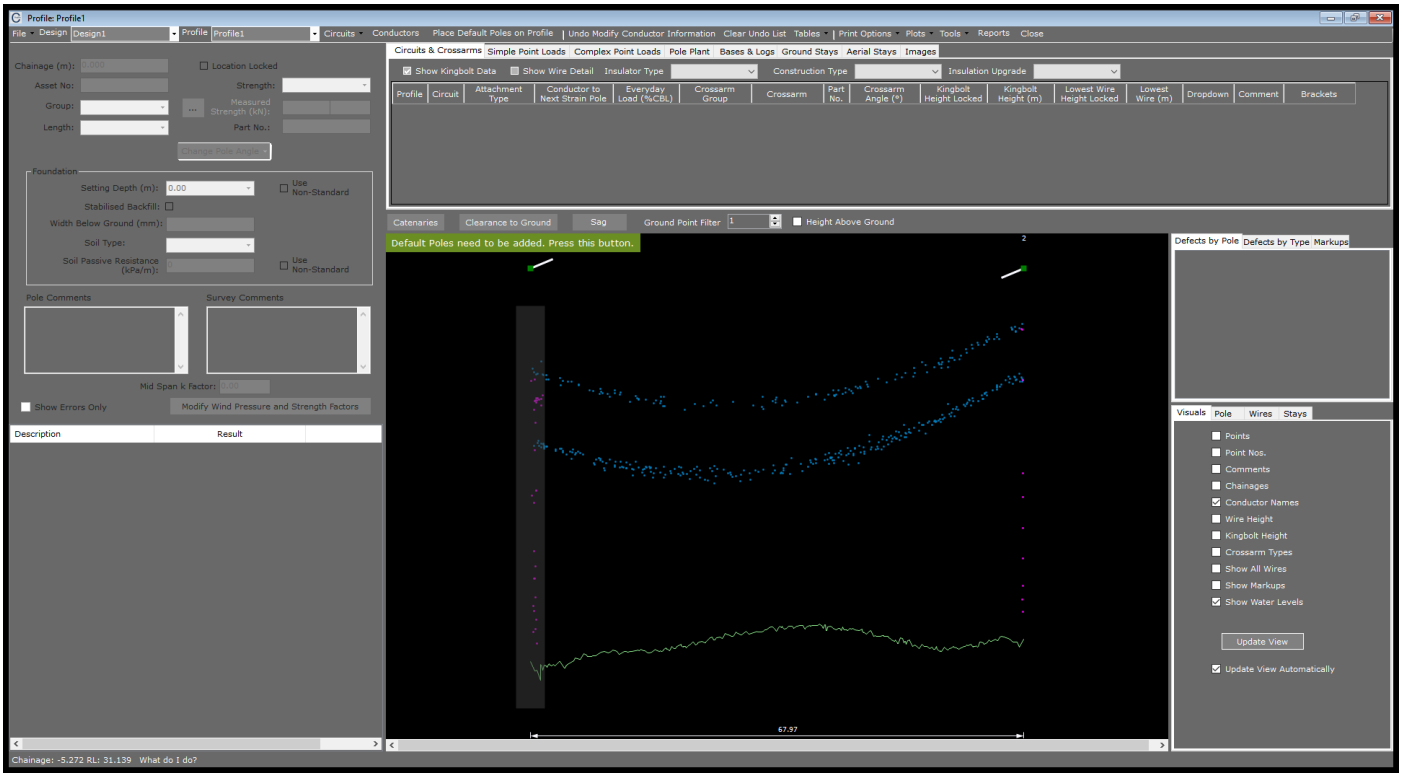
The Profile view will now look similar to that below.



5. Press the button **Default Poles need to be added. Press this button.**

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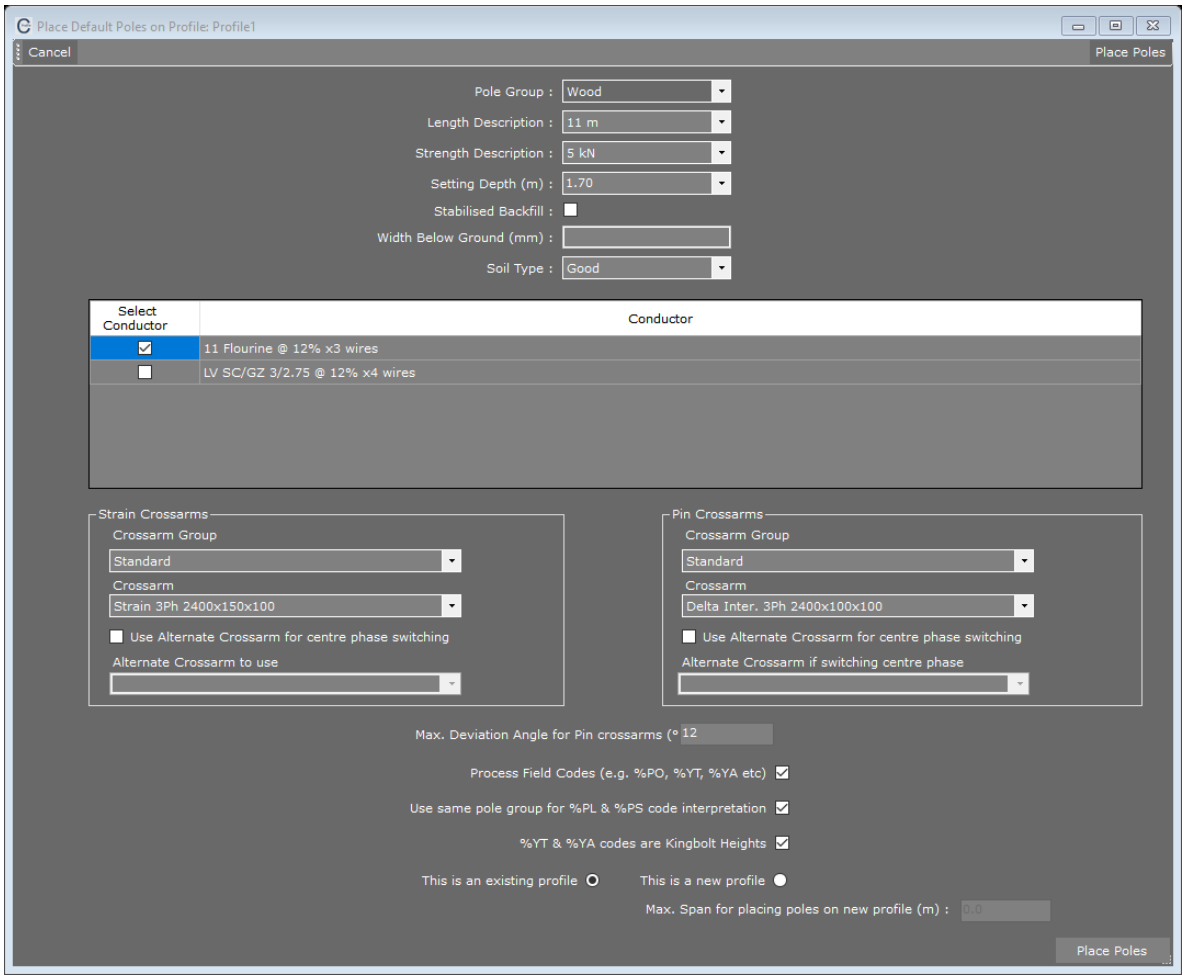
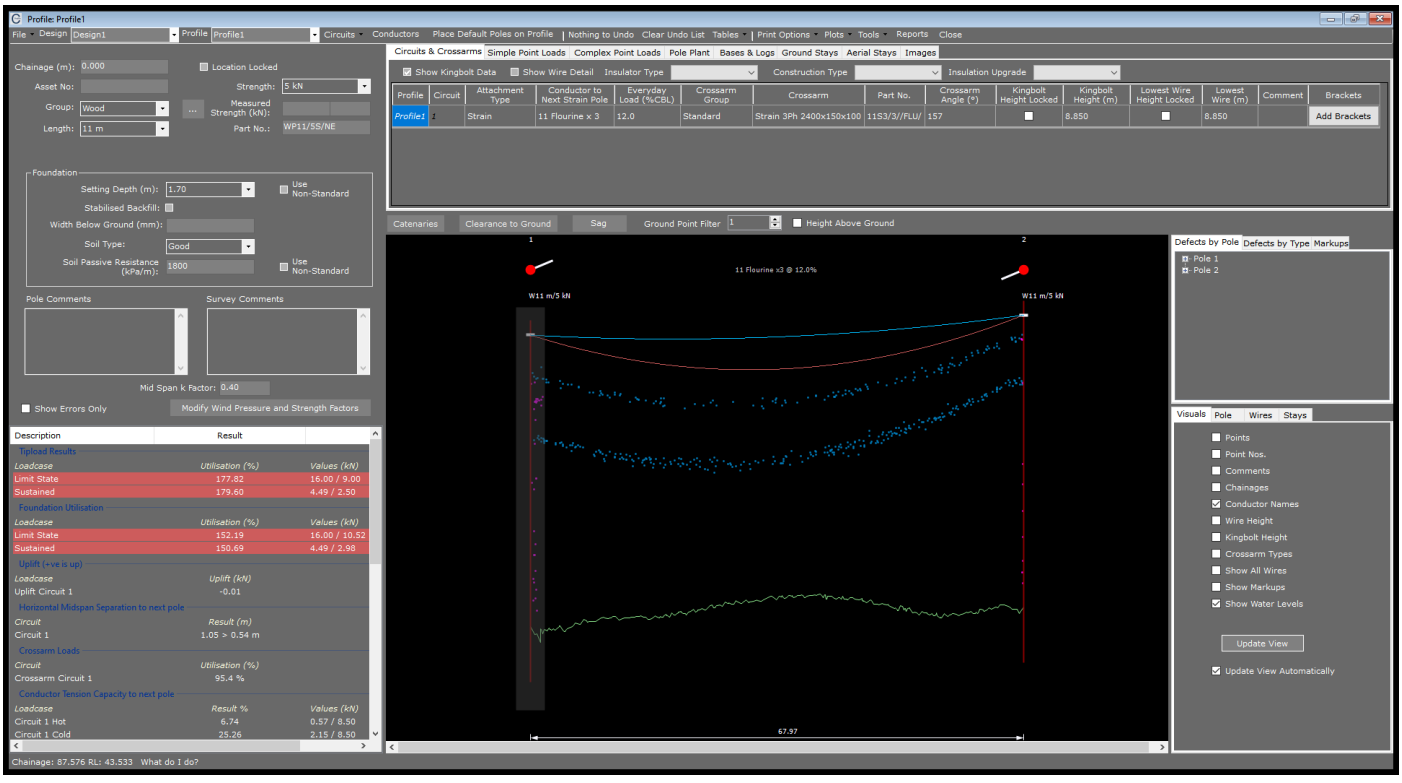
6. A new form will be displayed as shown below. Enter appropriate data and press **Place Poles**.



You will then be returned to the Profile view which will look similar to the image below.



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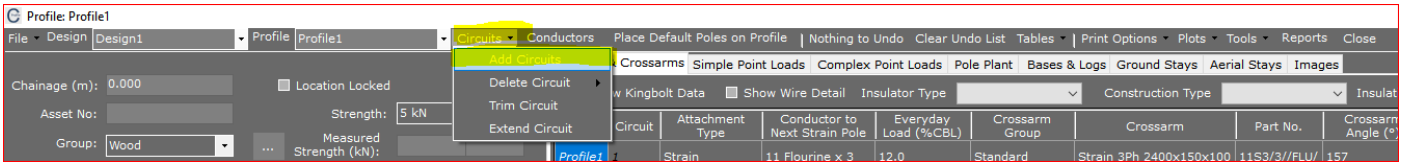
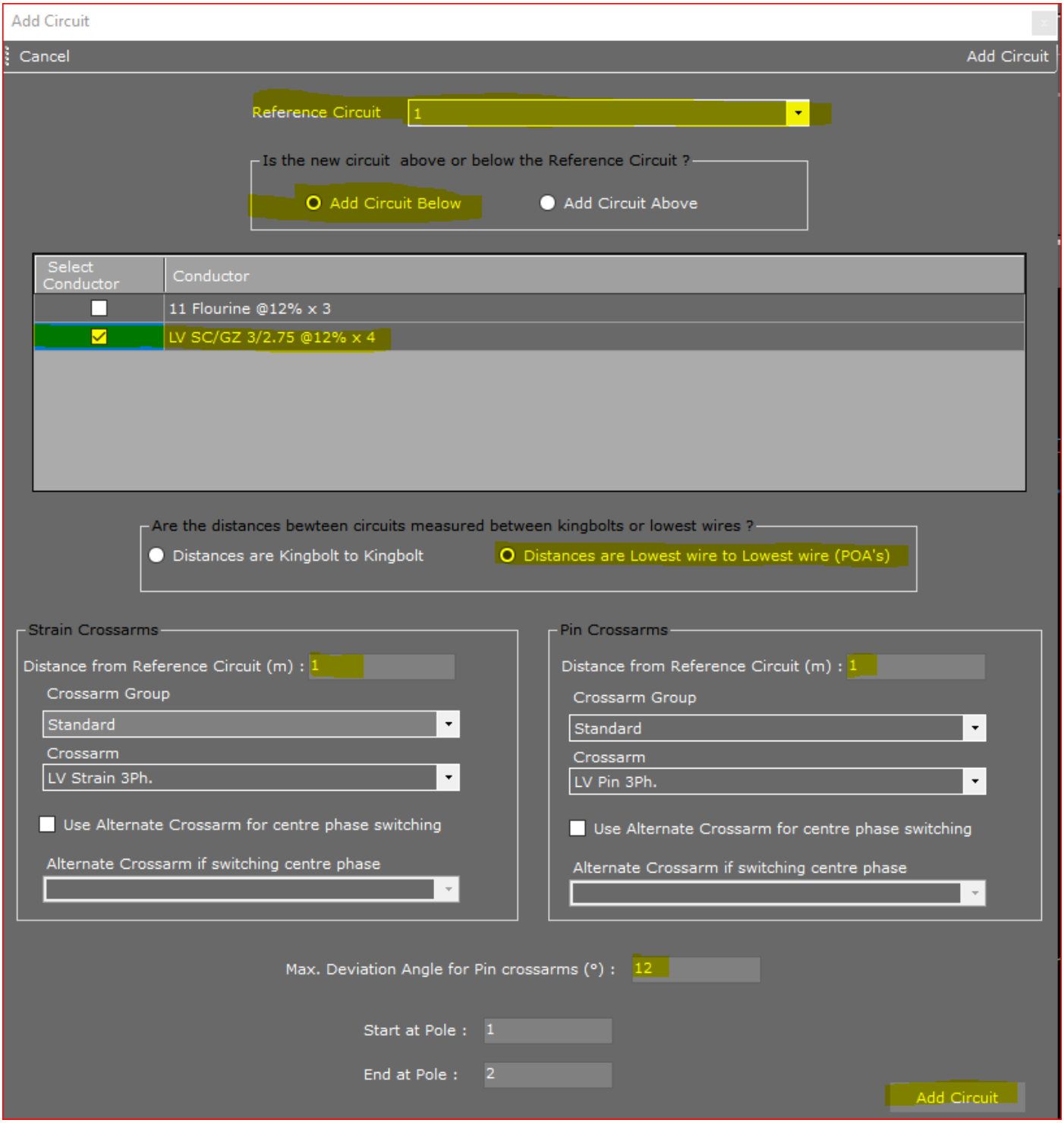
7. It is clear from the lidar that there are 2 circuits in this span. To add the information for the second circuit press the option shown below.



8. A new form will be displayed. Make sure you select the items highlighted then press **Add Circuit.**



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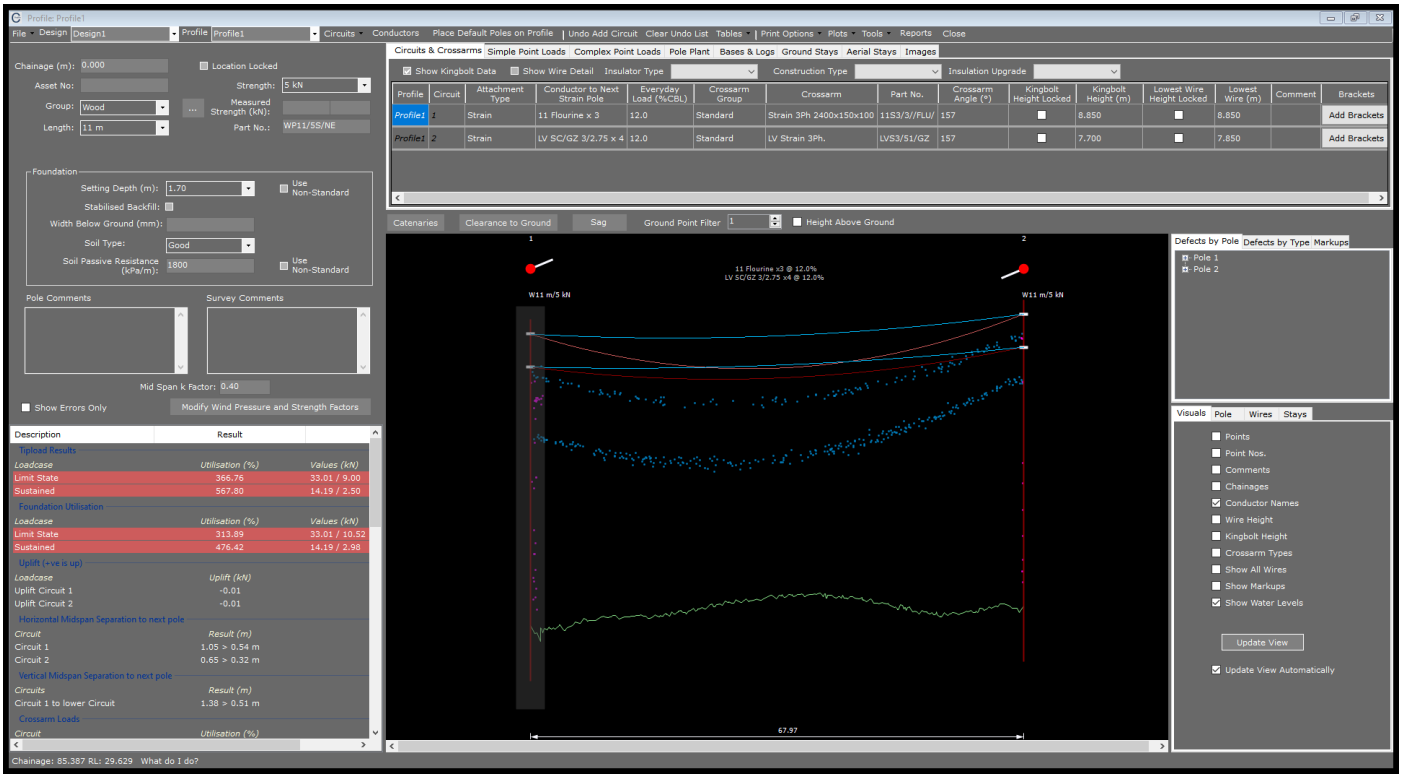
You will be returned to the Profile View which will now look something like the image below, depending on the conductors used.



The user can now proceed to modify the data to model the existing line.