

# COLDNet Profile – Point Loads Example

1. Open the earlier project that we created called **WalkthroughCSVImport**
2. Select **File>Save As** and give the new project the name **PointLoads**
3. Once returned to the main form select the **Profiles** option from the top toolbar menu. A new window will open

The screenshot shows the 'Profile Profile' software interface. On the left, there are configuration panels for 'Chainage', 'Asset No.', 'Strength', 'Group', 'Length', 'Foundation', and 'Pole Comments'. The main area displays a wire diagram with poles numbered 1 through 8. Pole 1 is highlighted with a grey background. A table at the top right shows 'Circuits & Crossarms' with columns for Profile, Circuit, Attachment Type, Conductor to Next, Insulator Type, Crossarm Group, Crossarm, Part No., Crossarm Angle, Kingbolt Height, and Lowest Wire Height.

Profile	Circuit	Attachment Type	Conductor to Next	Insulator Type	Crossarm Group	Crossarm	Part No.	Crossarm Angle (°)	Kingbolt Height (m)	Lowest Wire Height (m)
Profile 1	1	Strain	11 Libra x 3	12.0	Standard	Strain 3Ph 2400x150x100	11S3/3/LIB	202	11.100	9.1
Profile 2	2	Strain	LV SC/AC 3/2.75 x 4	10.0	Standard	LV Strain 3Ph.	LVS3/SI/AC	202	9.100	9.1

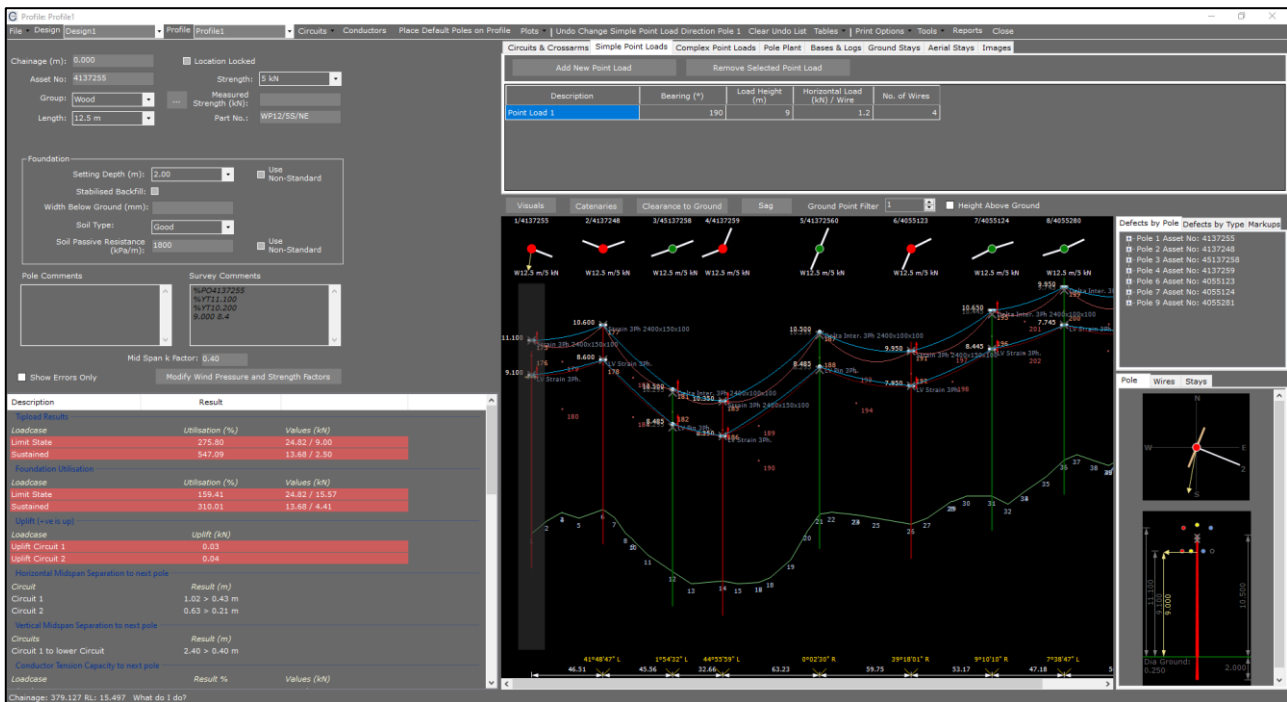
4. Make sure the first pole in the profile is highlighted with a transparent grey background. Select the **Simple Point Loads** tab

This screenshot shows the 'Simple Point Loads' tab selected in the software. A table for adding point loads is visible, with columns for Description, Bearing, Load Height, Horizontal Load, and No. of Wires. The wire diagram below shows the same profile as the previous screenshot, but with the first pole (pole 1) highlighted in grey.

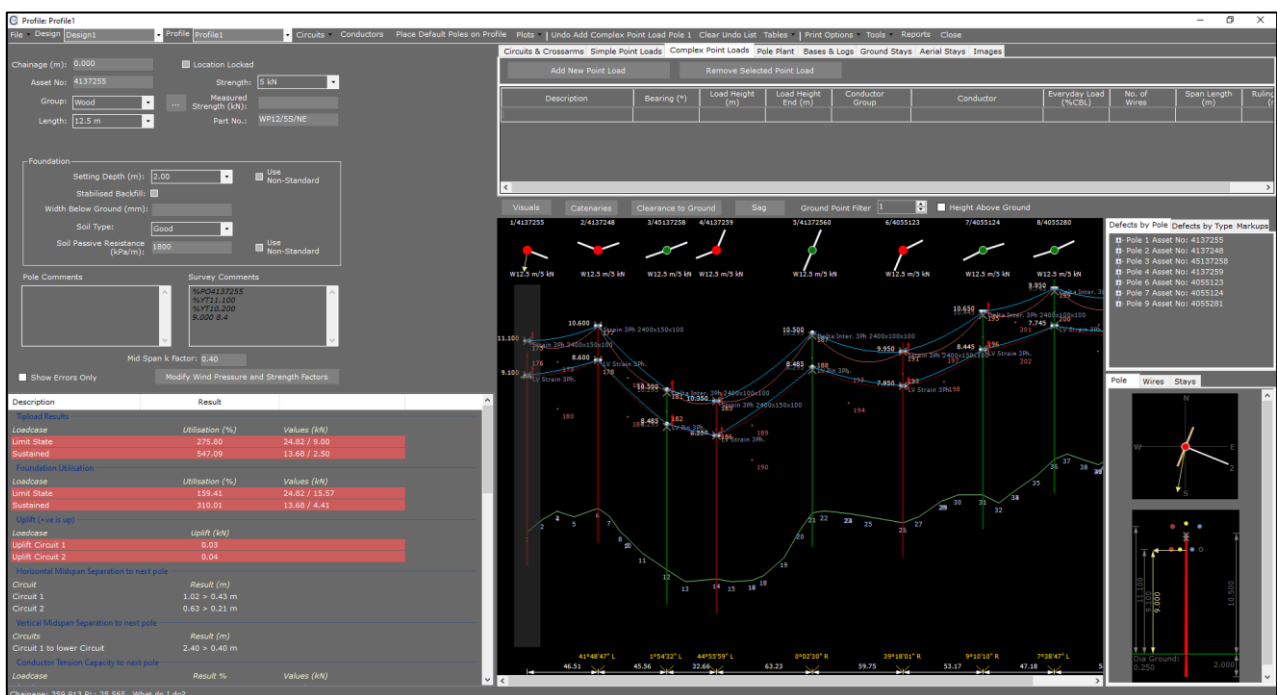
Description	Bearing (°)	Load Height (m)	Horizontal Load (kN) / Wire	No. of Wires

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5. Select **Add New Point Load**. A new row in the grid will appear
6. Enter the **Description 'Point Load 1'**
7. Enter in a **Bearing of '190'**
8. Enter in a **Load Height of '9'**
9. Enter in a **Horizontal Load/Wire of '1.2'**
10. Enter in **No. of Wires of '4'**
11. A horizontal yellow line will be displayed on the elevation view to indicate the **Simple Point Load** at the entered load height as shown below



12. Next, we're going to add a Complex Point Load by selecting the **Complex Point Loads** Tab as shown below



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13. Select **Add New Point Load**. A new row in the grid will appear
14. Enter the **Description 'Point Load 2'**
15. Enter in a **Bearing of '292'**
16. Enter in a **Load Height of '10.2'**
17. Enter in a **Load Height End of '10.2'**
18. Select the **Conductor Group 'Standard'**
19. Select the **Conductor 'Libra'**
20. Enter in an **Everyday Load of '18'**
21. Enter in **No. of Wires of '3'**
22. Enter in a **Span Length of '50'**
23. Enter in a **Ruling Span of '50'**
24. A horizontal purple line will be displayed on the elevation view to indicate the **Complex Point Load** at the entered load height as shown below

Description	Bearing (°)	Load Height (m)	Load Height End (m)	Conductor Group	Conductor	Everyday Load (%CGL)	No. of Wires	Span Length (m)	Ruling Span (m)
Point Load 2	292	10.2	10.2	Standard	Libra AAC 1350 7/3.00 Libra	18	3	50	50.00

The screenshot also shows the 'Elevation' view with a horizontal purple line at 10.2m height, and a 'Defects by Pole' table on the right listing pole assets and their associated defects.

25. Select **File>Save**