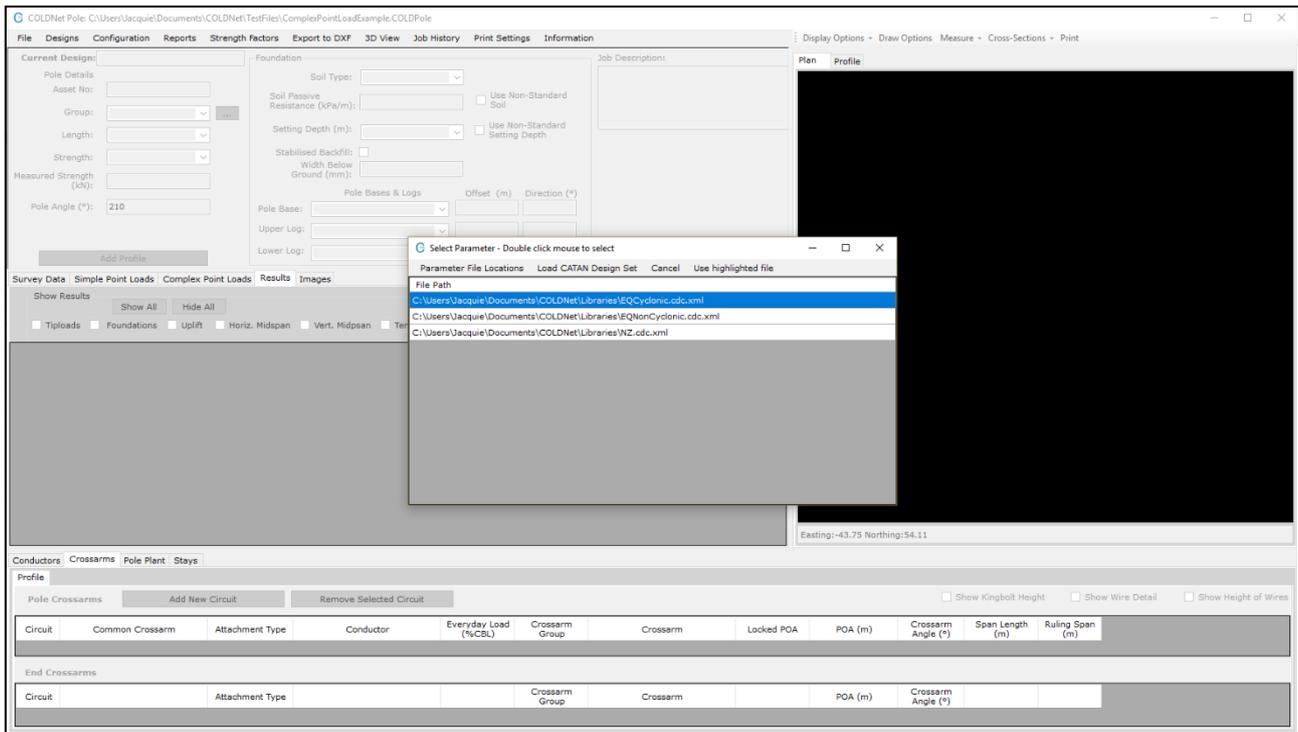


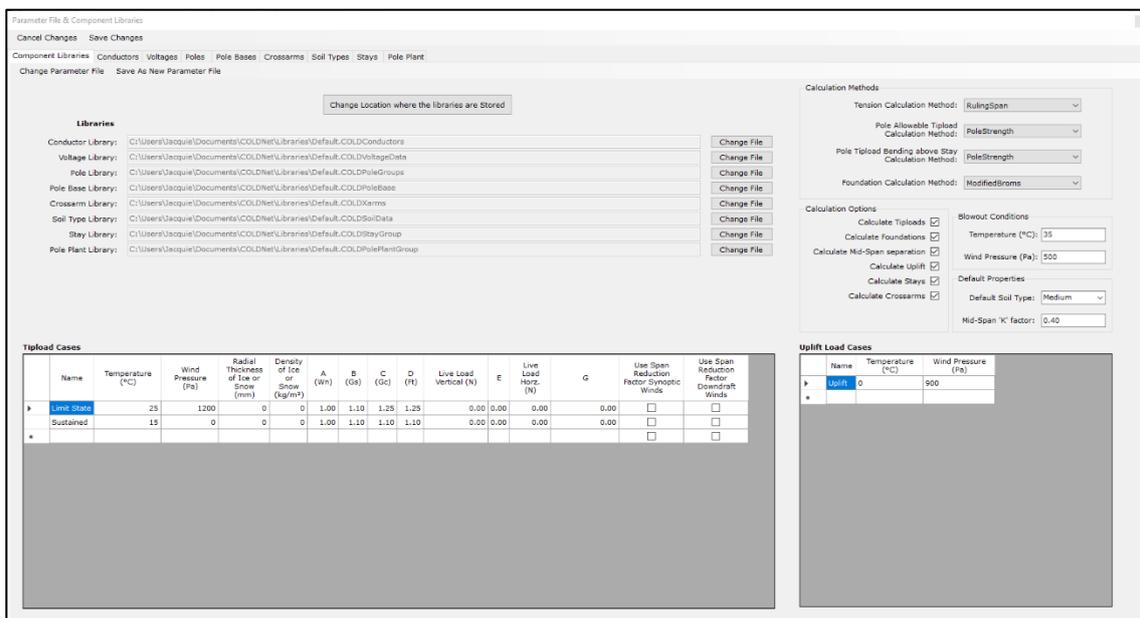
COLDNet Pole – Complex Point Load Example



1. Install COLDNet Pole and open application
2. Select **File>New**
3. Give the file a name, e.g. **ComplexPointLoadExample**
4. The following screen below will appear. Select **Parameter File Locations>Add Directory** to navigate to the location where the Design Parameters/Libraries have been stored locally on the machine. Once selected **Close** Manage Directories window and double click on the desired parameter file from the list. For this example, select the Design Parameter file called **EQCyclonic**.



5. The design criteria and libraries can be viewed by selecting **Configuration** from the top menu on the main screen.



COLDNet Pole – Complex Point Load Example



6. If applicable, record the pole **Asset No.**
7. Select the **Group, Length and Strength** of the pole from the dropdown menus on the main form
8. Select **Soil Type** and **Setting Depth** from the dropdown menus
9. Select the **Complex Point Loads** tab
10. To add a new Complex Point Load select **Add New Point Load**
11. Enter in the details of the conductor load. An example has been given below

COLDNet Pole: C:\Users\Jacquie\Documents\COLDNet\TestFiles\ComplexPointLoadExample.COLDPole

File Designs Configuration Reports Strength Factors Export to DXF 3D View Job History Print Settings Information

Current Design: Design1

Pole Details

Asset No:

Group: Wood

Length: 12.5 m

Strength: 5 kN

Measured Strength (kN):

Foundation

Soil Type: Medium

Soil Passive Resistance (kPa/m): 900 Use Non-Standard Soil

Setting Depth (m): 1.85 Use Non-Standard Setting Depth

Stabilised Backfill:

Width Below Ground (mm):

Pole Bases & Logs

Pole Base: <None> Offset (m) Direction (°)

Upper Log: <None>

Lower Log: <None>

Job Description:

Survey Data Simple Point Loads **Complex Point Loads** Results Images

Description	Bearing (°)	POA (m)	POA End (m)	Conductor Group	Conductor	Everyday Load (%CBL)	No. of Wires	Span Length (m)	Ruling Span (m)
Load1	30	8.00	7.50	Standard	SC/AC 3/2.75	10.00	4	75.00	75.00
Load2	200	8.00	7.00	Standard	SC/AC 3/2.75	10.00	4	100.00	100.00

12. Select the **Results** tab and **Show All** to view the basic results

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Job Description:

Survey Data Simple Point Loads Complex Point Loads **Results** Images

Show Results

Show All Hide All

Tiploads Foundations Uplift Horiz. Midspan Vert. Midspan Tensions Stay Calcs. Simple Point Loads Complex Point Loads Crossarm Calcs.

Pole Tip Loads	Loadcase	Nominal Strength (kN)	Pole Strength Factor	Allowable Load (kN)	Calculated Load (kN)	Utilisation (%)	Vertical Load (kN)
	Limit State	12.50	1.00	12.50	6.26	50.11	0.97
	Sustained	12.50	1.00	12.50	1.31	10.47	0.56
Foundation	Loadcase	Soil Passive Resistance (kPa/m)	Strength Factor	Allowable Load (kN)	Calculated Load (kN)	Utilisation (%)	
	Limit State	900	0.6	6.16	5.26	101.68	
Sustained	900	0.2	1.75	1.31	74.96		
Uplift (+ve means uplift)	Loadcase	Profile	Crossarm	Common Crossarm	Allowable Uplift (kN)	Calculated Uplift (kN)	Calculated Uplift (kg)

Plan Profile

Easting: -34.20 Northing: -53.57

Conductors Crossarms Pole Plant Stays

Profile

Pole Crossarms Show Kingbolt Height Show Wire Detail Show Height of Wires

Circuit	Common Crossarm	Attachment Type	Conductor	Everyday Load (%CBL)	Crossarm Group	Crossarm	Locked POA	POA (m)	Crossarm Angle (°)	Span Length (m)	Ruling Span (m)

End Crossarms

Circuit	Attachment Type	Crossarm Group	Crossarm	POA (m)	Crossarm Angle (°)