

## Setting up Libraries

Select **Design Parameters & Libraries** from the main COLDNet Profile form at the top tool-bar menu. The following window will appear.

rameter	File & Component Lit	braries																	
omponer	nt Libraries Condu	ctors Volta	ges Poles P	Pole Bases I	Insulators	Crossa	rms So	il Types	Stays	Pole Plant Pap	er S	ymbols M	arkup						
Change	Parameter File S	ave As New	Parameter File	e Cancel Cl	hanges	Save C	hanges i	k Close (	(This file	only)									
																	Calculation Methods		
						0	hange U	ocation w	where th	e libraries are St	ored						Tension Calculation Method:	HorizontalRulingSpan ~	
	Libraries																Pole Allowable Tipload	usaBala@tranath	
Conductor Librar		Ct\Users\Kieren Hatchman\Documents\COLDNet\Libraries\Default.COLDConductors													Change I	File	Calculation Method:	aseroleariengon +	
	Voltage Library:	C:\Users\Kieren Hatchman\Documents\COLDNet\\Jbraries\Default.COLDVoltageData													Change I	File	Pole Tipload Allowable Bending above Stay Calculation Method:	usePoleStrength ~	
	Pole Library:	C:\Users\	Kieren Hatchm	an\Document	ts\COLD#	Vet\Librar	ies\Defa	ult.COLD	PoleGro	ups					Change i	File	Pole Tipload Bending above Stay	0.10/0.10	
	Pole Base Library:	C:\Users\	Kieren Hatchm	an\Document	ts\COLD!	vet\Librar	ies\Defa	ult.COLD	PoleBas	ю					Change I	File	Calculation Method:	usePointUrContranexture ~	
	Insulator Library:														🔒 Change I	File	Foundation Calculation Method:	od: Broms ~	
	Crossarm Library:	C:\Users\	Kieren Hatchm		ts\COLD!	vet\Librar	ies\Defa	ult.COLD	Xarms						Change I	File			
	Soil Type Library:	C:\Users\	Kieren Hatchm	an\Document	ts\COLD!	vet\Librar	ies\Defa	ult.COLD	SoilData	3					Change I	file	Calculation Options	Blowout Conditions Temperature (°C): 15	
	Stay Library:	C:\Users\	Kieren Hatchm	an\Document	ts\COLD#	vet\Librar	ies\Defa	ult.COLD	StayGro	oup					Change I	file	Calculate Tiploads 🗹		
	Pole Plant Library:	C:\Users\	Kieren Hatchm	an\Document	ts\COLD!	vet\Librar	braries\Default.COLDPolePlantGroup									file	Calculate Foundations 🗹	Wind Pressure (Pa): 500	
P	Plot Paper Library:	C:\Users\	Kieren Hatchm	an\Document	ts\COLD!	vet\Librar	ibraries/Libraries									File	Calculate Mid-Span separation 🗹		
	Symbol Library:	C:\Users\	Kieren Hatchm	an\Document	ts\COLD#	Vet\Librar										file	Calculate Uplift 🗹	Default Properties	
	Markup Library:														Change File		Calculate Stays	Default Soil Type: Medium 🗸	
Tipload	Name Temp	perature (*C)	Wind Pressure (Pa)	Radial Thickness of Ice or Snow	Density of Ice or Snow	y A w (Wn)	B (Gs)	C (Gc)	D (Pt)	Live Load Vertical (N)	E	Live Load Horz.	G	Use Span Reduction Factor Synoptic Winds	Use Span Reduction Factor Downdraft	Check Stay	Uplift Results	O Show in kg	
	Limit Chate	25	000	(mm)	(g	, 		4.05	4.05	0.00	0.00	0.00	0.00		Winds		Opint Load Cases		
ľ	Sustained	25	900	0		0 1.00	1.10	1.25	1.25	0.00	0.00	0.00	0.00			2	Name (*C)	(Pa)	
•							-		1.10								▶ Uplift 0 90		

Before continuing to use COLDNet Profile the libraries must be set up. To do this, click the **Change File** button next to each library type, locate the library file you wish to use for that data set and select it. Alternatively, if all the libraries are stored in the same folder, they can be loaded together using the **Change Location Where Libraries are Stored**. This will open a dropdown menu and allow the user to select the folder in which the libraries are stored. If there is more than one library for each library type, it will load the first library of that type by default. If this is the wrong library then it will be required to be changed manually by selecting **Change File** next to the required library and selecting the correct file. The selected data will be able to be reviewed in the tabs shown after a file is selected. Once all the libraries have been selected the form should look something similar to the figure below.

Change Parameter File	luctors Voltages Pole Save As New Paramet	s Pole Bases 1 In File Cancel C	Insulators ( hanges S	Crossarn ave Cha	ns Soil Type nges & Clos	s Stays e (This file	Pole Plant Pap a only)	er Symbols M	arkup						
													Calculation Methods		
				Ch	ange Location	where t	ne libraries are St	ored					Tension Calculation Method	HorizontalRulingSpan V	
Libraries													Pole Allowable Tiploat	usePoleStrength	
Conductor Library	C:\Users\Kieren Ha	tchman\Documen	ts\COLDNet	\Librarie	s\Default.CO	LDCondu	tors				Change	File	Calculation Heriou		
Voltage Library	C:\Users\Kieren Ha	C:\Users\Kieren Hatchman\Documents\COLDNet\Libraries\Default.COLDVoltageData											above Stay Calculation Method	usePoleStrength ~	
Pole Library	C:\Users\Kieren Ha	tchman\Documen	ts\COLDNet	VLibrarie	s\Default.CO	LDPoleGr	oups				Change	File	Pole Tipload Bending above Stay	y useDnintOfContraflevture	
Pole Base Library	C:\Users\Kieren Ha	tchman\Documen	ts\COLDNet	Wibrarie	s\Default.CO	LDPoleBa	50				Change	File	Calculation Method	and enconconcernenter -	
Insulator Library	C:\Users\Kieren Ha	tchman\Documen	ts\COLDNet	\Librarie	s\Default.CO	LDInsulat	orGroup				Change	file	Foundation Calculation Method	3: Broms ~	
Crossarm Library	C:\Users\Kieren Ha	tchman\Documen	ts\COLDNet	Librarie	s\Default.CO	LDXarms					Change	file			
Soil Type Library	C:\Users\Kieren Ha	tchman\Documen	ts\COLDNet	Librarie	s\Default.CO	LDSoilDat	a				Change	File	Calculation Options	Blowout Conditions	
Stay Library	C:\Users\Kieren Ha	tchman\Documen	ts\COLDNet	Librarie	s\Default.CO	LDStayGr	oup				Change	file	Calculate Tiploads 🗹	Temperature (°C): 15	
Pole Plant Library	C:\Users\Kieren Ha	tchman\Documen	ts\COLDNet	Uibrarie	s\Default.CO	LDPolePla	Change	File	Calculate Foundations 🗹	Wind Pressure (Pa): 500					
Plot Paper Library:	C:\Users\Kieren Ha	tchman\Documen	ts\COLDNet	\Librarie	s\Default.CO	LDPaperD	Change	File	Calculate Mid-Span separation 🗹						
Symbol Library	C:\Users\Kieren Ha	C:\Users\Kieren Hatchman\Documents\COLDNet\Libraries\default.COLDSymbolLibrary Change File												Default Properties	
Markup Library	C:\Users\Kieren Ha	C:\Users\Kieren Hatchman\Documents\COLDNet\Libraries\Default.COLDMarkupLibrary Change File											Calculate Stays 🗹	Default Soil Type: Medium 🗸	
Tipload Cases	nperature Wind (°C) (Pa)	Radial Thickness of Ice or Snow	Density of Ice or Snow	A (Wn)	B C (Ge) (Ge	) (Pt)	Live Load Vertical (N)	E Load Horz.	G	Use Span Reduction Factor Synoptic	Use Span Reduction Factor Downdraft	Check Star	Uplift Results Show in kN	O Show in kg	
		(mm)	(kg/m*)					(N)		Winds	Winds		Uplift Load Cases		
Limit State	25	900 000	0	1.00	1.10 1.2	5 1.25	0.00	0.00 0.00	0.00				Name Temperature V	Vind Pressure (Pa)	
Sustained	15	0 0	0	1.00	1.10 1.1	.0 1.10	0.00	0.00 0.00	0.00				Uplift 0 900		



## Adding and Editing Component Libraries

To access each of the component libraries select the relevant tab in the Libraries Form. From each of these tabs the user can select a Group (if required) from the dropdown menus and edit any of the properties that are populated in the respective component tables.

For the component libraries that contain Groups, you can select to **Add/Edit Group Names** from the top tool-bar menu. A new window will open in which groups can be added or edited. Click **Save & Close** to commit any changes made.

**New Library** can be used to create a new library file for the component library. Simple enter a library name and a location to save your new library.

**Import CATAN Library** can be used to import any current libraries that users may have been previously using with CATAN.

If you wish to load a COLDNet Profile Library that you already have saved, click the **Change File** option before locating and loading the library file to be used for the data set.

Click **Save** to commit any changes made to the libraries or **Save As** to create a new library.

The second se	OLDNet P	rofile Ver	rsion: 1.0.0 Licenced t	to: File: C:\Users\Ki	ieren Hatchman	\Documents\K	ieren Hatchman\C	ATAN\COLDNet Pro	ofile\Documentatio	n\Updated Documer	ntation\Files for Doo	cumentation\Walk	hroughCSVImport.	COLDProfile			- 6
	Desig	Parame	eter File & Component	Libraries													
	ini 1	Compo	onent Libraries Con	ductors Voltages	Poles Pole	Bases Insul	lators Crossarms	Soil Types St	ays Pole Plant	Paper Symbols	Markup						
Nome         Durppin         Nom         Solution         Nome         Durppin	View	Condu	ctor Group Standa	rd • Add/Ed	lit Group Name	s Import C	ATAN Conductor L	ibrary New Libra	ry Change File	Save Save As							
No.         Solution 2010         Solution 2010 <th>Fround P Points</th> <th></th> <th>Name</th> <th>Description</th> <th>Area (mm²)</th> <th>Self Weight (N/m)</th> <th>Diameter (mm)</th> <th>Initial Modulus of Elasticity (MPa)</th> <th>Final Modulus of Elasticity (MPa)</th> <th>Temperature Allowance for Inelastic Stretch (°C)</th> <th>Coefficient of Thermal Expansion</th> <th>Calculated Breaking Load (kN) (CBL)</th> <th>Maximum Allowable Load (as % of CBL)</th> <th>Everyday Load (as % CBL)</th> <th>Everyday Temperature (°C)</th> <th>Drag Coefficient</th> <th>Part Number</th>	Fround P Points		Name	Description	Area (mm²)	Self Weight (N/m)	Diameter (mm)	Initial Modulus of Elasticity (MPa)	Final Modulus of Elasticity (MPa)	Temperature Allowance for Inelastic Stretch (°C)	Coefficient of Thermal Expansion	Calculated Breaking Load (kN) (CBL)	Maximum Allowable Load (as % of CBL)	Everyday Load (as % CBL)	Everyday Temperature (°C)	Drag Coefficient	Part Number
	pint Nur	۲.	SC/AC 3/2.75	SC/AC 3/2.75	17.80	1.16	5.90	162.00	162.00	0.00	13.00	22.70	72.00	0.00	15.00	1.00	
Apple         Ac58/02 4/L         4.89         1.48         9.00         79.00         70.00         10.30         11.00	Poles		SC/GZ 3/2.75	SC/GZ 3/2.75	17.80	1.36	5.90	192.00	192.00	0.00	12.00	22.20	72.00	0.00	15.00	1.00	
Alt         Barting         AcSu(22 41         7.23         2.28         1.13         79.00         79.00         79.00         13.00	nce N		Apple	ACSR/GZ 6/1	49.50	1.68	9.00	79.00	79.00	0.00	19.00	14.90	72.00	0.00	15.00	1.00	APP
Cherry         A.K.20/02 Bar.         1.02 by         1.02 b         1.02 b <t< td=""><th>t Nun</th><td></td><td>Banana</td><td>ACSR/GZ 6/1</td><td>77.30</td><td>2.63</td><td>11.30</td><td>79.00</td><td>79.00</td><td>0.00</td><td>19.00</td><td>22.80</td><td>72.00</td><td>0.00</td><td>15.00</td><td>1.00</td><td>BAN</td></t<>	t Nun		Banana	ACSR/GZ 6/1	77.30	2.63	11.30	79.00	79.00	0.00	19.00	22.80	72.00	0.00	15.00	1.00	BAN
Forume         AskC 113 0 7.         4 93         1.00         9 90         1.00 <th1.00< th=""> <th1.00< th=""> <th1.00< th=""></th1.00<></th1.00<></th1.00<>	Jetan		Chlorine	ACSR/G2 6/4	120.40	3.96	7.50	76.00	76.00	0.00	20.00	33.20	72.00	0.00	15.00	1.00	CHE
Holam         Add 110 7         77.00         2.07         11.00         99.00         99.00         20.00         27.00         27.00         15.00         14.00         67           Holam         Add 110 7         17.00         2.33         14.30         99.00         99.00         20.00         22.00         27.00         20.00         15.00         14.00         14.00           V Add C4 59m2         Add 130 7         19.00         13.30         99.00         99.00         20.00         22.00         27.01         27.00         0.00         15.00         14.00         15.00         14.00         15.00         14.00         15.00         14.00         15.00         14.00         15.00         14.00         15.00         14.00         15.00         14.00         14.00         15.00         14.00         15.00         14.00         15.00         14.00 </td <th>Wires</th> <td></td> <td>Flourine</td> <td>AAAC 1120 7</td> <td>49.50</td> <td>1.32</td> <td>9.00</td> <td>59.00</td> <td>59.00</td> <td>0.00</td> <td>23.00</td> <td>11.80</td> <td>72.00</td> <td>0.00</td> <td>15.00</td> <td>1.00</td> <td>309</td>	Wires		Flourine	AAAC 1120 7	49.50	1.32	9.00	59.00	59.00	0.00	23.00	11.80	72.00	0.00	15.00	1.00	309
Opene         AAC 120 7         12.400         3.31         14.30         99.00         99.00         0.000         22.00         77.10         72.00         0.00         15.00         1.00         100           U Y ABC 4C 98m2         V ABC 4C 98m2         1.32         9.00         59.00         59.00         23.00         7.31         72.00         0.00         15.00         1.00         149         1.00         149         1.00         149         1.00         149         1.00 <th>lowo</th> <td></td> <td>Helium</td> <td>AAAC 1120 7</td> <td>77.30</td> <td>2.07</td> <td>11.30</td> <td>59.00</td> <td>59.00</td> <td>0.00</td> <td>23.00</td> <td>17.60</td> <td>72.00</td> <td>0.00</td> <td>15.00</td> <td>1.00</td> <td>GZ</td>	lowo		Helium	AAAC 1120 7	77.30	2.07	11.30	59.00	59.00	0.00	23.00	17.60	72.00	0.00	15.00	1.00	GZ
Ubre         AC 139 77.3.         149.0         1.32         9.90         9.900         9.900         2.200         7.91         7.200         0.00         1.500         1.100         1.85           VARC 499mm2         V.AS C49mm2         V.AS C49m2	ut Se		Iodine	AAAC 1120 7	124.00	3.33	14.30	59.00	59.00	0.00	23.00	27.10	72.00	0.00	15.00	1.00	IOD
Image         Image         Add 24 C 95mu         Other Add 24 C 95mu         Other Add 25 P 7 7 7 7 0 2.06         Other Add 25 P 7 7 7 7 0 2.06         Other Add 25 P 7 7 7 7 0 2.06         Other Add 25 P 7 7 7 7 0 2.06         Other Add 25 P 7 7 7 7 0 2.06         Other Add 25 P 7 7 7 7 0 2.06         Other Add 25 P 7 7 7 7 0 2.06         Other Add 25 P 7 7 7 7 0 7 7 0 0 0 0 0 0 0 0 0 0 0 0	asur		Libra	AAC 1350 7/3	49.50	1.32	9.00	59.00	59.00	0.00	23.00	7.91	72.00	0.00	15.00	1.00	LIB
Mare         AAC 1350 7/L.         77.30         2.08         11.30         59.00         99.00         0.00         22.00         11.80         77.00         0.00         15.00         11.00         MAR           Mono         AAC 1350 7/L.         12.40         3.34         14.30         59.00         59.00         0.00         22.00         11.80         77.00         0.00         15.00         10.00         MAR           Mono         AAAC 1320 1.L.         209.00         5.66         11.80         56.00         0.00         22.00         14.80         77.00         0.00         15.00         10.00         MAR           Rain         ACK252 1/L         3.44         1.80         56.00         56.00         0.00         12.40         17.00         0.00         16.00         1	Tria		LV ABC 4C 95mm2	LV ABC 4C 95	380.00	13.24	38.40	56.00	56.00	0.00	23.00	53.20	40.00	0.00	15.00	1.00	8495
Mon         AAC 150 7/L, 12.00         0.3.4         0.4.0         9.5.00         0.0.0         22.00         1.0.80         7.2.00         0.0.0         1.0.0         MOO           Pido         AAC 130 1         20.98         5.5.7         18.80         5.0.0         0.0.0         22.00         14.80         72.00         0.0.0         15.00         1.0.0         MOO           Pido         AAC 1350 17/L,         20.80         5.5.7         18.80         56.00         56.00         0.0.0         22.00         0.0.0         15.00         1.0.0         MOO           Statin         AC 1350 17/L,         23.60         5.5.0         0.0.0         12.00         0.0.0         14.00         72.00         0.0.0         15.00         1.0.0         MIC           Statin         AC 1507/L,         34.40         1.50         1.0.0         10.0	ind		Mars	AAC 1350 7/3	77.30	2.08	11.30	59.00	59.00	0.00	23.00	11.90	72.00	0.00	15.00	1.00	MAR
Neon         AAAC 1120 L         209.00         5.56         18.80         55.00         50.00         22.00         47.80         72.20         0.00         15.00         10.00         NEV           Rein         ACSR/02 3/4         34.40         1.89         75.00         0.00         12.00         23.30         72.00         0.00         15.00         1.00         NEV           Rein         ACSR/02 3/4         34.40         1.89         75.00         0.00         12.00         24.40         72.00         0.00         15.00         1.00         NEV           Sulana         ACSR/02 3/4         34.40         1.89         7.30         0.00         13.00         0.00         14.00         24.40         72.00         0.00         15.00         1.00         NA           Sulana         ACSR/02 4/3         24.30         0.00         15.00         1.00         29.         0.00         1.00         29.         0.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00	e Lo		Moon	AAC 1350 7/4	124.00	3.34	14.30	59.00	59.00	0.00	23.00	18.80	72.00	0.00	15.00	1.00	MOO
Plude         AAC 1350 19         209.00         5.57         18.30         55.00         55.00         0.00         22.00         22.30         27.00         0.00         15.00         1.00         Plude           SRum         AAC 1350 37         261.05         7.07         21.00         55.00         0.00         14.00         22.40         0.00         15.00         1.00         Plude           SRum         AAC 1350 37         261.05         7.07         21.00         55.00         0.00         12.00         0.00         15.00         1.00         Plude           SRum         AC SR/02 4/2         49.50         2.37         9.00         122.00         0.00         15.00         1.00         1.00         Plude           Jultane         AC SR/02 4/2         49.50         2.37         9.00         122.00         0.00         15.00         1.00         1.00         SUL	nan		Neon	AAAC 1120 1	209.80	5.66	18.80	56.00	56.00	0.00	23.00	47.80	72.00	0.00	15.00	1.00	NEO
Ratifi         ACSUG2 4/3         3440         1.03         1.93         1.930         0.00         14.00         24.40         2.00         1.00         HAL           Satur         ACISING2 4/3         34.00         1.03         0.00         12.00         0.00         12.00         0.00         15.00         1.00         HAL           Satur         ACISING2 4/3         49.50         2.37         9.00         122.00         0.00         15.00         2.00         0.00         15.00         1.00         HAL           Sulars         ACSING2 4/3         49.50         2.37         9.00         122.00         10.00         28.30         72.00         0.00         15.00         1.00         HAL           Sulars         ACSING2 4/3         49.50         2.37         9.00         122.00         120.00         15.00         28.30         72.00         0.00         15.00         1.00         HAL           Sulars         ACSING2 4/3         49.50         2.37         9.00         122.00         120.00         15.00         1.00         HAL	pint		Pluto	AAC 1350 19/	209.80	5.67	18.80	56.00	56.00	0.00	23.00	32.30	72.00	0.00	15.00	1.00	PLU
Salutini Arki 1300 g/r       281.00       7.00       120.00       0.00       2.300       44.00       72.00       0.00       150.00       100	ll Tr		Raisin	ACSR/GZ 3/4	34.40	1.89	7.50	139.00	139.00	0.00	14.00	24.40	72.00	0.00	15.00	1.00	RAI
			Saturn	AAC 1350 377	201.50	7.07	21.00	122.00	122.00	0.00	23.00	41.00	72.00	0.00	15.00	1.00	295 CIII
			Sultana	AC3N/62 4/5	49.00	2.37	5.00	122.00	122.00	0.00	15.00	20.30	72.00	0.00	15.00	1.00	302
		-										1					