

- 1. Install COLDNet Profile and open application
- 2. The following screen will appear. Select Create a New Project

COLDNet Profile 1.0.0 Licenced to:	• • • • • • • • • • • • • • • • • • •	144 - 147 B						
	Create a							
Profile								
	Recent Project List -	Double Click to Select						
C:\Users\Kieren Hatchman\Documents Profile\Files\SurveyData.COLDProfile	\Kieren Hatchman\CATAN\COLDNet	C:\Users\Kieren Hatchman\Documents\Kieren Hatchman\CATAN\COLDNet Profile\Example1ahs\TeeOffExample.COLDProfile						
C:\Users\Kieren Hatchman\Documents Profile\ExampleJobs\test2.COLDProfile	\Kieren Hatchman\CATAN\COLDNet	C:\Users\Kieren Hatchman\Documents\Kieren Hatchman\CATAN\COLDNet Profile\ExampleJobs\test1.COLDProfile						
C:\Users\Kieren Hatchman\Documents Profile\Files\Test10.COLDProfile	\Kieren Hatchman\CATAN\COLDNet	C:\Users\Kieren Hatchman\Documents\Kieren Hatchman\CATAN\COLDNet Profile\Files\Test9.COLDProfile						
C:\Users\Kieren Hatchman\Documents Profile\Files\Test7.COLDProfile	\Kieren Hatchman\CATAN\COLDNet	C:\Users\Kieren Hatchman\Documents\Kieren Hatchman\CATAN\COLDNet Profile\Files\Test8.COLDProfile						
C:\Users\Kieren Hatchman\Documents Profile\Files\Test6.COLDProfile	\Kieren Hatchman\CATAN\COLDNet	C:\Users\Kieren Hatchman\Documents\Kieren Hatchman\CATAN\COLDNet Profile\Files\Test3.COLDProfile						

- 3. Give the file a name, e.g. PlaceDefaultPolesOnNewProfile.
- 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 **EQNonCyclonic**.

COLDNet Profile File = 0	C:\Users\Kieren Hatchma	nan\Docum	nents\Kieren H	Hatchman\C/	ATAN\COL	.DNet Pro	file\Files\PlaceDef	aultPolesOni	NewProfile.COLD	Profile						- 0	$\times$
File Design Parameter	rs && Libraries Terrai	in Data	Profiles C	onductors	Tables	Tools	Feature Codes	Reports	Clone Design	Plots	Export	Undo	Clear U	Indo/Redo Lists	Job History	Add Offline Poin	ıt
Cross-Sections 3D Vie	ew COGO Inforn	mation	Calculators														
Current Design												- 1					
•												- 1					
View												- 1					
Display												- 1					
Points																	
Comments			C Sele	ect Paramete	r File - Do	uble click	mouse to select				-		×				
Point Numbers			Paran	meter File I o	ocations	Load C	ATAN Design Set	Cancel	Use highlighte	l file			_				
Show Triangles			File Pat	th							_	_					
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Colorise Ground Points			C:\Use	rs\Kieren Ha	atchman∖l	Documer	nts\COLDNet\Libi	aries\Defau	ılt.cdc.xml								
Show DXF Background			C:\Use	rs\Kieren Ha	atchman∖i	Documer	nts\COLDNet\Libi	aries\EQCy	clonic.cdc.xml								
Show Images			C:\Use	rs\Kieren Ha	atchman∖l	Documer	nts\COLDNet\Libi	aries\EQNo	nCyclonic.cdc.xr	nl							
Show Plots (0)			C:\Use	rs\Kieren Ha	atchman∖l	Documer	nts\COLDNet\Libi	aries\NZ.cd	lc.xml								
Poles			C:\Use	rs\Kieren Ha	atchman∖l	Documer	nts\COLDNet\Libr	aries\NZExa	ample.cdc.xml								
Sequence Numbers			C:\Use	rs\Kieren Ha	atchman\l	Documer	nts\COLDNet\Libi	aries\test.c	dc.xml								
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Details			C:\Use	rs\Kieren Ha	atchman∖l	Documer	nts\Kieren Hatchı	man\CATAN\	COLDNet Profile	\Docume	entation\Up	dated D	oc				
Conductors			C:\Use	rs\Kieren Ha	atchman\i	Documer	nts\Kieren Hatchı	man\CATAN\	COLDNet Profile	\Files\te	st.cdc.xml						
Blowout			C:\Use	rs\Kieren Ha	atchman∖l	Desktop <sup>\</sup>	New folder\Cour	tiesPower.co	dc.xml								
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Find																	
Point Management																	
Mouse Locked												- 1					
Settings												- 1					
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Last Save at:																	



5. After selecting and importing a Parameter File select **Terrain Data > Import CSV/TXT File from GPS** and open the **ExampleEastNorth.csv** file



6. Identify the data type of each column by selecting from the dropdown menu above the top row. Any columns for which the data type is not selected will default to **Comment** data. For this example we just want to import the x,y,z coordinates so un-check the last four columns





## 7. Select Import Data

8. You will then be asked if you want to save these settings as a template before you proceed. Select No and you will then be taken to the main plan view screen as shown below



9. Select the option that says **Deviation Point** before selecting the first pole for the profile as shown below (marked by a yellow cross)





10. Next, select the remaining deviation points (where the route changes direction) along the profile as shown below



- 11. Select Generate Profile from the tool menu
- 12. A new window will open with a default **Design Name** called "Design1" and **Profile Name** called "Profile1". Click **Create Profile**
- 13. The profile centreline and triangulated terrain model will be generated as shown below



- Inversion:
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- 14. Select the option labelled Profiles in the top toolbar menu. A new window will open as shown below

- 15. Now we are going to add a conductor to our design by selecting the green label, "Conductors need to be added. Press this button". A new window will open
- 16. Select the Voltage '22'
- 17. Select the Conductor Group 'Standard'
- 18. Select the Conductor 'Libra: AAC 1350 7/3.00 Libra'

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- 19. Enter an Everyday Load (%CBL) of '18'
- 20. Enter the No. of Wires as '3'
- 21. Enter the Max Temperature (°C) of '75'
- 22. Enter the Min Temperature (°C) of '0'



- 23. Select Save in the top right-hand corner of the window
- 24. We are now going to place poles at those locations where poles have been indicated when selecting deviation points. Do this by first selecting the green label, "Default Poles need to be added. Press this button".



- 25. Change the Pole Group to 'Wood'
- 26. Change the Length Description to '12.5m'
- 27. Change the Strength Description to '5kn'
- 28. Change the Setting Depth to '2m'
- 29. Leave the default Soil Type as 'Good'
- 30. Select the Libra Conductor we added earlier by clicking the check-box provided
- 31. Change the Strain Crossarm Group to 'Wood'
- 32. Leave the default Crossarm as 'Strain 3Ph 2700x150x100'
- 33. Change the Pin Crossarm Group to 'Wood'
- 34. Leave the default Crossarm as 'Delta Inter. 3Ph 2700x100x100'
- 35. Enter a Max Deviation Angle for Pin Crossarms of '10'
- 36. Select the option This is a New Profile
- 37. Enter a Max Span for Placing Poles on New Profile of '70'
- 38. Click Place Poles to finalise. Profile 1 should now look like the figure below.

## **COLDNet Profile – Place Default Poles on a New Profile**



