

Projects Guide

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Introduction

1 Introduction



The **Project** screen is where you can set up Teams and Projects for the Designers, Planners, Databuilders and Installers.

This Guide assists you on the setting up **Projects (Designs)** with teams, including status, dependents and phases.

Projects allow accountability while building a network, with **Planning** getting *Peer Reviewed* and *Approved* before a Works Order is issued.

The Installers are notified of the Works Order, and each item is processed until all is installed.

Dependent on trusted (or untrusted) Installers - the jobs are *verified* and then the Project can be set to **Complete**.

2 Projects

For Simplicity we will be referring to Planners in this document (this includes Designers).

The system will present buttons in Orange to indicate an action for user friendly operation.

A **Planner** user initiates a Project by forming a Team, and then sets up a Full Project. Navigate to **Project Teams** from the tree.

2.1 Teams

Create a Team from the button on the top right corner.



Choose a unique name that all users can utilize. Select Add.

U	tel	III Team			
-	Search Location 🗢 C	Deta	s Projects		
А н	 ▼ France ▼ Centre 			* Name:	Team Orleans
P	Orleans - ORLEOrleans Aeroport			Description: Team Members:	None
E	Project Teams				Add Cancel
					en realition for the

The planner/user that created the Team will automatically become the Leader.

utel "	Team Team Orleans	Add Team Member Remove Team Member ?
Search Location	Details Projects Name: Team Orleans Description: Team Members: Planner Leader LEADER Trusted Installer INSTALLER	
KML ? Help LO	Admin Org MEMBER Planner Approver LEADER Demo Designer	C Approver
÷ = • •	MEMBER Save	• Project Team - Team Orleans

Add **Team Members** as required, but it is advised to add an Approver and an Installer; at the least. The options for user **Project Roles** is either Leader, Member or a Viewer.

A Leader can edit details on the project, a Member can add and delete tasks, and a Viewer is read only.

u ≛⁺	Search Location	Please Add a Team Me	ember and their Role		× am M	amber Remove Team Member ?
н	France Centre Orleans - ORLE Orleans Aeroport Froject Teams	* User: * Project Role:	Please Select User Please Select Role Add Cancel		~	
E KML	Team Orleans			Trusted Installer INSTALLER	Z	
U •	Search Location	Please Add a Team Me	ember and their Role		× am M	ember Remove Team Member ?

*	Search Location					
К Н	 France Centre 	* User:	Trusted Databuilder (Data Builder)		~	
P P	Orleans - ORLEOrleans Aeroport	* Project Role:	Please Select Role Please Select Role LEADER		~	
E	 Project Teams Team Orleans 		VIEWER			
				Trusted Installer INSTALLER	ø	

The **Project** can now be created, and the team is ready to start *designing the plan*. Team members can be added at any time, and their roles modified.

2.2 Create Project

Signed in as a **Planner** - navigate to the location required, select Projects folder on the tree. Select **Create Project** from the button on the top right corner.



Select a Project Name.

The **Start Date** is selected from when the project is created, but is configurable - along with the **End Date**.

The **Team** is defaulted to the one the user is involved in, as well as the **Project Leader**. Both drop downs can be changed if other options are available.

Selecting the project to be **Public** will allow the items to be viewed from the map by different users.

The Phase Status will be set to Planning until after review.

At this point no **High Level Project** has been created, but a project can select one at this point. This saves having to exit and create a LLD from it's HLD.

The **Geo Data** outline of the Planning Location needs to be set up via the *Select* button Create the outline similar to creating the POP Location. When satisfied then select '*Save*'.

The user will be navigated back to the form, and the button will now display Change.

Select Add to create the Project.



The **Project** will be added to the tree.

If any projects get deleted - the Update folder will bring them back to the defaulted items for a Full Project.

utel "	Project Project Orleans HLD	Map Fibre SLD Capacity Bill Of Material + Design Pack + Update
Image: Search Location Image: Search Location Image: Search Location Image: Image: Search Location <t< th=""><th>Project Project Orleans HLD Details Inventory Projects Project Tasks History Project Mappers • Name: Project Orleans HLD Project Orleans HLD Project Orleans HLD Project Orleans HLD Bast Tasks Project Orleans HLD Bast Tasks Broject Orleans Broject Details Broject Orleans Project Satus Sore Project Satus Sore S</th><th>Map Fibre SLD Capacity Bill Of Material Design Pack Update Park Create Low Level Project Connections Pending</th></t<>	Project Project Orleans HLD Details Inventory Projects Project Tasks History Project Mappers • Name: Project Orleans HLD Project Orleans HLD Project Orleans HLD Project Orleans HLD Bast Tasks Project Orleans HLD Bast Tasks Broject Orleans Broject Details Broject Orleans Project Satus Sore Project Satus Sore S	Map Fibre SLD Capacity Bill Of Material Design Pack Update Park Create Low Level Project Connections Pending
	Locations: Orleans Save Seek Review f	Reset Cancal Dakete

2.2.1 Create LLD Project

After creating a HLD Project, and the main architecture is in place for a LLD, select the 'Create Low Level Project', button



The user will be presented with a similar form as the Main project. Enter the LLD projects name.

utel "	Project		
 Search Location France Contre Contre Contre Contre Contre Projects Project Otleans HLD Low Level Projects O Cables SEDs Project Teams Project Teams 	Project * Name: Description: Start Date: End Date: Team: * Project Leader: Public Project: * Project Status: * Phase Status: Version: Auto-Create Sub-Projects: * Locations: High Level Project:	Project Orleans LLD01 24.01.2023 03.02.2023 Team Orleans Planner Leader Planner Leader OPEN PLANNING Orleans Project Orleans HLD Select	
LO		Add Cancel	

Create the outline for the LLD, Save when satisfied.

The navigation will present the project form and in order to save the project - select *Add*. The project will then be displayed on the tree, under the HLD.

The user can modify the outline at anytime by selecting Geo Data 'Change' button.



2.3 Sub Project and Tasks

The project set up is broken into separate sub-projects; Civils and Cables.

2.3.1 Civils

The project is broken up into separate Civil sub-projects; Manholes, Cabinets, Poles, DP, NT, Microwave, ONT, Ducts and Trenches.

Creating Civil's should be processed first before the users can create Cables.

Any Zones, DP Locations, Properties and similar that are already existing in the POP Location will be seen in the tree.



Navigating to the map from the button on the top right corner will show the planning location chosen.

You can now start creating your project items and they will automatically be added to the tree.

Refer to the GIS Mapping Data Build Guide and Element Manager Data Build Guide for help creating items in the network.

For a quick reference a section has been added to this guide Creating in Map

All created items will create a project task, and will be visually red until the project task has been closed.



As in *Mapping Guide* there is a menu bar along the left side of the map from which to choose your items, but Projects also have a unique feature of a **wheel**.

Right Click opens the wheel and left click wheel center to close.

Expand to the item you would like to create by hovering over the segment, click type to select.

The center of the wheel is where the selected item will be placed.



Printing a full Manhole job can be accessed by the **Print** button on the top right hand side, whist on the *Manhole Folder*.



Adjust the tags, then click on the 'Place A4 print outline' button on the bottom right corner (as shown).

Move, and expand, the print view box, then select the 'Start print to pdf' button on the bottom right corner (as shown).



The **pdf** will process, and then prompt whether to save or open.

The Manholes PDF (Poles and Cabinets will be similar):

ut	el	Project Or	leans HLD (Manholes)		
	Que lant Levren	-		Legend / K	ev
		A result of the second		Legend / K	
Name	Type	Status		Latitude	Longitude
EB04_01	Enotway Roy	Planning	/ Inavailable	47 880071	1 895024
FB04_07	Footway Box	Planning	Unavailable	47 890068	1.895081
EB04_02	Footway Box	Planning	/ Insuriable	47.000000	1.005879
EB04_03	Footway Box	Planning		47 902223	1.005679
B04_04	Footway Box	Planning		47.892223	1.805835
ED04_05	Footway Box	Planning	Unavailable	47.092004	1.090030
FB04_00	Footway Box	Planning	/Inavailable	47.894003	1.895483
EB04_02	Footway Box	Planning	/ Inavailable	47 804300	1.805474
EB04_00	Footway Box	Planning	/Japunilable	47.907704	1.005405
Project	Ma Project Orleans HLD	nholes Installation Info	rmation		
Project Name	Ma Project Orleans HLD	nholes Installation Info	rmation	fa	astlight
Project Name Province	Ma Project Orleans HLD Centre	nholes Installation Info	rmation Orleans	fa	astlight
Project Name Province Author	Ma Project Orleans HLD Centre Planner Leader	nholes Installation Info Region Author Email	rmation Orleans marianne.allan@utel.co.uk	fa	astight ioratories
Project Name Province Author Approver	Ma Project Orleans HLD Centre Planner Leader	nholes Installation Info Region Author Email Approver email	rmation Orleans marianne.allan@utel.co.uk	fa UTEL La Wolves F Off Ipse: Hadicip	astight astight and Lanc ich Road United Kingdom

Printing can also be accessed via Civils folder. Use the Print drop down to choose the type of Civil to be printed, this is Ducts;



The **Ducts** PDF (Trench will be similar):



2.3.2 Cables

Creating Cables should be processed first before the users can Connections.

u		Project	<u>Cables</u>		Map Print
2	Search Location	Details	Inventory Project Tasks	History Pending	
&н СР ще Ф	 France Centre Orleans - ORLE Projects Project Orleans HLD Low Level Projects O O Civils Cables 		* Name: Description: Start Date: End Date: * Team:	Cables 06.09.2022 16.09.2022 Team Orleans	
KML	ORLE-POP 01 Orleans Aeroport Project Teams		* Project Leader: Public Project: * Sub Project Status:	Pranner Leader	
UGEO R R			Dependencies: Dependants: Locations:	Choose Project(s) V None Orleans	
Help				Save Reset Cancel Delete	

Navigating to the map from the button on the top right corner will show the project within the POP location.

You can now start creating your cables (similar to Create Civils 10).

Cables will automatically be added to the *tree*, along with the associated Closures, Patch Cassette and Pigtails.

u		Project Task SCDD01::FB04_	01_F12	Map Slack Print
-	Search Location 🗘 🖸	Details Inventory Other Tasks	History	
А Н	 ▼ France ▼ Centre 	* Name:	SCDD01::FB04_01_F12	
P	 Orleans - ORLE Projects 	Description: * Task Status:	OPEN	•
E	Project Orleans HLD Low Level Projects	Start Date:	06.09.2022	
⊕ M	 ✓ O Colles O O FB04 01::FB04 03 F12 	End Date: * Task Owner:	16.09.2022 Planner Leader	•
KML	 ○ ● FB04_05::FB04_08_F12 ○ ● FB04_03::FB04_05_F12 	* Task Assigned to:	Planner Leader	~
୍ମ UGEO	O C SCDD01::FB04_01_F12 ORLE-POP 01	Due On: Public Project Task:		
R R	 Orleans Aeroport Project Teams 	Dependencies:	Choose Project Task(s)	
? Help		Dependants:	None	
C) LO			Save Cancer Delete	
i 🖂	▲ ?			 Project Task - SCDD01::FB04_01_F12

Printing a Cable job can be accessed by the **Print** button on the top right hand side.

Adjust the tags, then click on the 'Place A4 print outline' button on the bottom right corner.

Select the main **Cables** folder to print all the cables in one pdf document. Individual Cables can be printed from the desired cable node

The printed Cables PDF (partial):



2.3.2.1 Patch Cassette & Pigtails

When a cable is created from a POP, and Street Cabinet, the Patch Cassette and Pigtails will automatically be added to the tree under their associated enclosure.

u	tel "	Project Task PCA_SCDD01::FB04_01_F12 A-END 01 Map Print Connection:	5
2	Search Location 🗘 🗘	Details Inventory History	
А Н	▼ France ▼ Centre	* Name: PCA_SCDD01::FB04_01_F12 A-END 01	
C	▼ Orleans - ORLE	Description:	
P	Projects Project Orleans HI D	* Task Status: OPEN 🗸	
E	Low Level Projects	Start Date: 06.09.2022	
A	▼ ○	End Date: 16.09.2022	
м	DP Locations Cabinets	* Task Owner: Planner Leader 🗸	
•	▼ ○ • SCDD01	* Task Assigned to: Planner Leader 🗸	
KMIL	 PGRP_SCDD01::FB04_01_ F12 A-END 	Due On:	
UGEO	O O PCA_SCDD01::FB 04_01_F12 A-END 01	Public Project Task:	
R R	○ ● PT_SCDD01::FB04_01 _F12 A-END	Dependencies: Choose Project Task(s) V	
?	Manholes	Dependants: None	
Help	► Ducts	Save Cancel Delete	
•	▼ ○ ⊙ Cables		
LO	○ • FB04_01:FB04_03_F12		
	• • • • • • • • • • • • • • • • • • •		
	O O O SCDD01::E804_01_F12		
	■ ORLE-POP 01		
i 🖂	A ?	 Project Task - PCA_SCDD01::FB04_01_F12 A-ENI 	D 01

Print Connections from Pigtails (individual) will give a single report. Civils Folder **Print** drop down, will print all the Pigtails.

Pigtails PDF:

ute	Ξl		Pigtail ID: 1	PT_SCD01::	SCDD01_F24 B-END		
				Pigtail Type	Pigtail (2tx12f)	Pigtail Name	PT_SCD01::SCDD01_F24 B-END
		Sancor		Enclosure Type	Street Cabinet (Double Door)	Enclosure Name	SCDD01
		<u> </u>	+	Latitude	47.8890536109	Longitude	1.8947446346
					Lege	end / Key	
			1	Stree	t Cabinet (Double Door) - I	New	
			Co	prostions	[ablo		
	SCD0	1.:.SCDD01_E24	1		PCA SCD01	SCDD01	F24 B-END 01
Fibre	Tube	Tube Fibr	re Fibre color	ur Po	rt		
F1	1	1	blue	P			
F2	1	2	orange	P	2	11	
F3	1	3	green	P		1	
F4	1	4	brown	P			
F5	1	5	gray	P	5		
F6	1	6	white 🥖	P	1		
F7	1	7	red	P			
F8	1	8	black	P	}		
F9	1	9	yellow	P)		
F10	1	10	purple	P	10		
F11	1	11	pink	P	11		
F12	1	12	aqua	P	12		
F13	2	1	blue	P	13		
F14	2	2	orange	P	14		
F15	2	3	green	P	15		
F16	2	4	brown	P	16		
F17	2	5	gray	P	17		
F18	2	6	white	P	18		
F19	2	7	red	P	19		
F20	2	8	black	P	20		
F21	2	9	yellow	P	21		
F22	2	10	purple	P	22		
F23	2	11	pink	P	23		
F24	2	12	aqua	P	24		
		Pigtail	Installation Inform	nation			
Project Name	Project Orle	ans HLD					fastlight
Province	Centre	R	egion	Orleans			J
Author	Planner Lea	ader A	uthor Email	marianne.	allan@utel.co.uk	ហ	EL Laboratories
Approver	-	A	pprover email			Of	f Ipswich Road dieigh United Kingdom
Date lequed	3/2/2023					na	arcigit, Chinese realigneet

Print Connections from Patch Cassette (individual) will give a single report. Civils Folder **Print** drop down, will print all the Patch Cassettes.

A *Patch Cassette* PDF can only be printed after **Connections** have been made:

ute	\exists		Patch Ca	ssette ID: PCA	LLD01_SCI	002::HH6_S	P2_01_F18 A-END	01		
5	или жлаз [*] • <mark>•</mark>	a Avenue Roge	R.	PCA Type	24 Way LC-APC Pigtail Patch Cassette	PCA Name	PCA_LLD01_SCD01::LLD01_SCI F24 A-END 01			
A	LLDO'_SCDOI	a Sectionin +		Enclosure Type	Street Cabinet (Single Door)	Enclosure Name	LLD01_SCD01			
1		-711		Stree	et Cabinet (Sing	Legen	nd / Key			
				Connections	Tabla			0		
	ED04 04.11		2	Lonnections	Table		04	E24		
Fibre	Tube	Tube Fibre	Eibre col	our E	ibre	Tube	Tube Fibre	Fibre colour		
F1	1	1	blue	F	1	1	1	blue		
- F1	1	1	blue	F	2	1	2	orange		
-1	1	1	blue	E	3	1	3	green		
=1	1	1	blue	E	4	1	4	brown		
1		5	P	95						
5	10	5	P	96						
Project	Project Orleans	Patch Cassette ss LLD01	Installation	Information			for			
Project Name	Project Orleans	Patch Cassette s LLD01	Installation	Information			fas	stlight		
Project Name Province	Project Orleans Centre	Patch Cassette s LLD01		Information Orleans			fas	stlight		
Project Name Province Author	Project Orleans Centre Planner Leade	Patch Cassette s LLD01 Regio er Auth	Installation on or Email	Information Orleans marianne.	allan@utel.co.	uk	fas	stight land		
Project Vame Province Author Approver	Project Orleans Centre Planner Leade	Patch Cassette s LLD01 er Auth Appr	Installation on or Email over email	Information Orleans marianne.	allan@utel.co.	uk	fas UTEL Labor Wolves Farm Off Ipowich B Hadleigh, Un	tories Lane tend Kingdom		

2.3.2.2 Closures

Closures are created along with the cables, when starting or ending from a Manhole or Pole.

Print Connections from Closure (individual) will give a single report. Civils Folder **Print** drop down, will print all the Closures.

Closures PDF can only be printed after **Connections** have been made:

		Closure II			\$04_01_F12					
	- 441	1/5	Closure Type	4 way Closure	Closure Name	JC_FB04_01_SCI 2	DD01::FB04_01_F1			
		2001-1964_01_112	Enclosure Type	Footway Box	Enclosure Name	FB04_01				
	+		Latitude	47.889970891 1	Longitude	1.8950235844				
	- Participant		Legend / Key							
		1	O Foot	way Box With Clo	sure - New		-			
		c	Connections	Table						
_	FB04 SPLC SP				FB04 0	1:FB04 03 F12				
Port			F	ibre 1	Fube	Tube Fibre	Fibre colour			
и			F	5 1	1	5	gray			
2			F	6	1	6	white			
3			F		1	7	red			
4			E	8	1	8	black			
5			E	9	1	9	yellow			
6			F	10 1	1	10	purple			
						4.4	nink			
7			F	11 1	1	11	Purk			
77 80	<u>í</u>	(P	F	12 1	1	11 12	adna			
27	JO		F	11 12 1	1	11	aqua			
Project Name	C Project Orleans HLD	Nosure Installation Info	rmation	11 12 1	1	fas				
Project lame Province	Project Orleans HLD Centre	Closure Installation Info	rmation		1	fas	aqua			
Project Name Province	C Project Orleans HLD Centre Planner Leader	Closure Installation Info	rmation Orleans marianne.	allan@utel.co.uk	1 1 1	fas UTEL Laborat Wales Fare	aqua stlight			
Project Name Province Author	Centre Planner Leader	Closure Installation Info	rmation Orleans marianne.	allan@utel.co.uk	1 1 	fas UTEL Laborat Wolves Farm I Off pawich Ra	aqua aqua tlight ories Line ord det Kingdom			

2.3.3 Connections

The Connections (Splice, Splitter and Patch Cords) will be added to the tree under their associated enclosure.

Navigating to the **map** you can now start creating your connections from the point item **Connections** screen.



2.3.3.1 Patch Cords

The Patch Cords are created in the POP, Cabinet, NT, ONT and DP Connection Screens.

U L	Search Location	Cabinet Connections SCDD01	Hide Unlinked Patch Port Reset Auto Clear Save Save & Back ? Back
	▼ France		+ Add / Remove
н	▼ Centre		
Terb	▼ Orleans - ORLE		
P	▼ Projects	PCA_SCD01::SCDD01_F24 B-END 01	PCA_SCDD01::FB04_01_F12 A-END A
	▼ □	F01 Out T01-F01	💶 问 In T01-F01 🛛 🖉
F	Low Level Projects	F02 Out T01-F02	In T01-F02 F02
-	▼ ○ • Civils	F04 Out T01-F04	in T01-F03 F03
۲	DP Locations	F05 Out T01-F05	In T01-F05 F05
M	 Cabinets 	F06 Out T01-F06	Q In T01-F06 F06
\mathbf{Q}	► ○ ⊙ ⊙ SCD01	F07 Out T01-F07	
KML	▼ <mark>○ ◎ ● SCDD01</mark>	F09 Out T01-F09	in 101-F08 F08
e	► • PGRP_SCD01::SCDD01_F	F10 Out T01-F10	In T01-F10 F10
UGEO	24 B-END	F11 Out T01-F11	💶 🕖 in T01-F11 🛛 F11 📘
E	• O PGRP_SCDD01::FB04_01	F12 Out T01-F12	in T01-F12 F12
R		F13 Out 102-F01	
2	CDD01_F24 B-END 01 Out 01	F15 Out T02-F03	
∎ Help	○ • PC0_PCA_SCD01::S	F16 Out T02-F04	
64	CDD01_F24 B-END 01 Out 02	F17 Out T02-F05	
10	O	F18 Out T02-F06	
40000	CDD01_F24 B-END 01 Out 03	F20 Out T02-F08	
	CDD01 F24 B-END 01 Out 04	F21 Out T02-F09	
	○ • PC0_PCA_SCD01::S	F22 Out T02-F10	
	CDD01_F24 B-END 01 Out 05	F23 Out T02-F11	
	○ • PC0_PCA_SCD01::S CDD01_F24 B-END 01 Out 06		
	○ ● PC0_PCA_SCD01::S CDD01_F24 B-END 01 Out 07		
	O • PCO_PCA_SCD01::S CDD01_F24 B-END 01 Out 08 ▼		-
i 🖂	* ?		Cabinet Connection

Print Connections from Patch Cord (individual) will give single report

Print from Cabinet folder, or Civils Folder Print drop down, will print all the Patch Cord connections.

The Patch Cord PDF: utel Patch Cord ID: PCO_PCA_LLD01_SCD02::SCI02_F8 B-END 01 Out 04 LC-APC to LC-APC Patch PCO_PCA_SCD01::SCDD01_F24 B-END 01 Out 01 Patch Patch Cord Type Cord Name Enclosure Street Cabinet Enclosure SCDD01 Туре (Double Door) Name Latitude 47.8890536109 Longitude 1.8947446346 Legend / Key Street Cabinet (Double Door) - New Connections Table PCA_SCD01::SCDD01_F24 B-END 01 PCA_SCDD01::FB04_01_F12 A-END 01 Port Port P1 P1 - P2 P2 - P3 P3 P4 - P4 - P5 P5 - P6 P6 - P7 P7 - P8 P8 - P9 P9 P10 P10 Patch Cord Installation Information Project Project Orleans HLD fastlight Name Province Centre Region Orleans UTEL Laboratories Wolves Farm Lane Off Ipswich Road Hadleigh, United Kingdom Author Planner Leader Author Email marianne.allan@utel.co.uk Approver Approver email 3/2/2023 Date Issued Page 2 of 3

2.3.3.2 Splice

Splice connections are created in the Manhole and Pole Joint Closure Connection Screens.



Print Connections from Splice (individual) will give a single report. Civils Folder **Print** drop down, will print all the Splice connections.

A Splice PDF:

	Splice	Splice	Splice Name	SPLC_FB04 SPL	C SPLTR 1:8 Out
aller and and aller	Enclosure Type	Footway Box	Enclosure Name	FB04_01	
TLN X	Latitude	47.8899708911	Longitude	1.8950235844	
			Legend	/ Key	
	- Foot	way Box - New			
	Connections	Table		100	
FB04 SPLC SPLTR 1:8	Connections	Table	FB04_01	:FB04_03_F12	V
FB04 SPLC SPLTR 1:8 Port	Connections	Table ibre 1	FB04_01	:FB04_03_F12 Tube Fibre	Fibre colour
FB04 SPLC SPLTR 1:8 Port P1	Connections F	Table ibre 1 5 1	FB04_01 Tube	:FB04_03_F12 Tube Fibre 5	Fibre colour gray
FB04 SPLC SPLTR 1:8 Port P1 P2	Connections F F F	Table ibre 1 5 1 6 1	FB04_01	:FB04_03_F12 Tube Fibre 5 6	Fibre colour gray white
FB04 SPLC SPLTR 1:8 Port P1 P2 P3	Connections Fi Fi Fi Fi Fi Fi	Table 1 ibre 1 5 1 6 1 7 1	FB04_01	:FB04_03_F12 Tube Fibre 5 6 7	Fibre colour gray white red
FB04 SPLC SPLTR 1:8 Port P1 P2 P3 P4	Connections F F F F F F	Table T ibre T 5 1 6 1 7 1 8 1	FB04_01	:FB04_03_F12 Tube Fibre 5 6 7 8	Fibre colour gray white red black
FB04 SPLC SPLTR 1:8 Port P1 P2 P3 P4 P5	Connections F F F F F F F F	Table 1 ibre 1 5 1 6 1 7 1 8 1 9 1	FB04_01	:FB04_03_F12 Tube Fibre 5 6 7 8 9	Fibre colour gray white red black yellow
FB04 SPLC SPLTR 1:8 Port P1 P1 P2 P3 P4 P5 P6	Connections F F F F F F F F F F	Table 1 ibre 1 5 1 6 1 7 1 8 1 9 1 10 1	FB04_01	:FB04_03_F12 Tube Fibre 5 6 7 8 9 10	Fibre colour gray white red black yellow purple
FB04 SPLC SPLTR 1:8 Port P1 P1 P2 P3 P4 P5 P6 P7 P1	Connections F F F F F F F F F F F F	Table 1 ibre 1 5 1 6 1 7 1 8 1 9 1 10 1 11 1	FB04_01	:FB04_03_F12 Tube Fibre 5 6 7 8 9 10 11	Fibre colour gray white red black yellow purple pink

2.3.3.3 Splitter

Splitter connections can be created in Joint Closures, Cabinets, DP and TAF Out (POP) Connection Screens.

Print Connections from Splitter (individual) will give a single report. Civils Folder **Print** drop down, will print all the Splitter connections.

The **Splitter** PDF (OUT):

		Splitter I	D: FB04 SPL	C SPLTR 1:8					
		11 1	Splitter Type	1:8 Splice Sp	olitter	Splitter Name	FB04 SPL	LC SPLTR 1:8	
		1/1	Enclosure Type	Footway Bo	ĸ	Enclosure Name	FB04_01		
			Latitude	47.88997089	11	Longitude	1.895023	5844	
			Foot	way Box With (Le Closure - M	gend / Key New	Sey		
			Connections	Table			1		
	FB04 SPLC SP	LTR 1:8			FB	04 01:FB04	03 F12		
Port			F	ibre	Tube	Tut	be Fibre	Fibre colou	
P1			F	5	1	5		gray	
2			F	6	1	6	3	white	
3			F	7	1	7		red	
4			F	8	1	8		black	
5			F	9	1	9		yellow	
6			F	10	1	10		purple	
			E	11	1	11		pink	
7					1				
-7 -28	<u>ر</u>	(P	F	12	1	12		aqua	
27 28	40		F	12	1	12		aqua	
Project	S Project Orleans HLD	plitter Installation Info	ormation	12	1	12		aqua	
Project Name	S Project Orleans HLD	plitter Installation Info	ormation	12	1	12	fas	aqua	
Project Name	S Project Orleans HLD Centre	plitter Installation Info	ormation	12		12	fas	aqua	
Project Jame Province Author	S Project Orleans HLD Centre Planner Leader	plitter Installation Info	ormation Orleans marianne.	allan@utel.co	.uk		fas	aqua	
Project Name Province Author Approver	S Project Orleans HLD Centre Planner Leader	plitter Installation Info Region Author Email Approver email	ormation Orleans marianne.	allan@utel.co	.uk		fas	aqua	

The **Splitter** PDF (IN):

Splitter ID: FB04 SPLC SPLTR 1:8									
	Connections Table								
FB04 SPLC SPLTR 1:8		SCDD	01::FB04_01_F12	195					
Port	Fibre	Tube	Tube Fibre	Fibre colour					
P1	F5	1	5	gray					

2.4 Capture Planning & Splitter Tool

Capture Planning and Splitter tools are an added feature available to help with planning out the design and distribution of splitters.

2.4.1 Planning Zone

Select 'Capture Planning Zone' button located on the top of the map.

The Capture Planning Zone creation is a *region* so the same process is applied. Click points was used in this example.



Once the polygon is closed then a **pop up** is presented indicating how many *single and multiple dwelling units* are captured within.

Edit the outline accordingly and the count is updated.

This tool can be used to capture the exact amount of houses a planning zone requires for optimum designing.

Save is an option to utilize the zone as a regular zone; where the civil's can be encapsulated within for ease of grouping.

Orlean	S				Concerned in the					a strengt			-				15 18	
+	-	\$	-	?	0	Q	8	-	E			<u>h</u> <	•		Rue Marchais Les Vitrau-		le Roger Se	œ.
C /				6										-	Planning Zone Count		crétain +-	Omotion View
0				1.2											SDU 25	AT	8	P
	1 AL											E			MDU 1		DZERO	
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		F			0	1		F	L	μ		0			Etablissements			1
		}	-		(0						6			Dominique Emard			
0	-	-				0						C	2	-			1	
1.0)															1 1	12000	

Advanced Map Settings has the option to 'colour' the items the same colour that is chosen for the zone to optimize the grouping.

Select the Zones 'Set Colour' button. Select the *colour*, and *opacity*, of the zone to allow it to be distinguished.



2.4.2 Splitter Zone

Select 'Capture Splitter Zone' button located on the top of the map. Start placing your polygon on the map.

Once the polygon is closed then a **pop up** is presented indicating how many SDU's and MDU's (*single and multiple dwelling units*) are captured within.

The list of manholes, poles, cabinets, cables, closures, and end points are listed too to help with the splitter assignment.

Edit the outline accordingly and the count is updated.

Save is an option to utilize the zone as a regular zone; where the civil's can be encapsulated within for ease of grouping.



Select the colour, and opacity, of the Splitter Zones to allow them to be distinguished.



2.5 Equipment Types and Costs

The *Planner* and *Admin* users have privileges to specify organizational Equipment Types legends and costings.

Equipment can be modified by the user to set items as displayable and addable, in either Element Manager or GIS Mapping.

The Equipment Types can also be set to a certain *shape*, and *colour* - including specifying both new and existing.

2.5.1 Equipment Type

Navigate to My Account from the tree.

Select Equipment Types tab.

Select the row you would like to modify.

111	My Account - or	leans_admin	_					
_	Details Change	Password Con	tact Details Use	er Preferences	Equipment Types	Equipment Cost Estin	nate Notifications	
А н	List of Equipn	nent Types					1	C Sort 🗸 🖪 🗢
A A	Display Name	Host Class						Map Display Type
T		Select	Map Display Style	Addable	Displayable	Map Addable	Map Displayable	All 🗸
E								
₩ M	Street Cabinet (Single I	[8		~	~	~	~	HEXAGON
KML								
UGEO								
R R	Internal Cabinet	8		~	~	~	~	SQUARE
E								
% SP								
CAP								
? Help	Handhole	12		~	~	~	~	POINT
€→ LO			×	< 1 2	3 4 5	> >> 25 ∨		~

The user will be presented with a form with the options to modify.

Equipment Type	
* Display Name:	Handhole (600 mm)
Abbreviation:	НН600
Addable ?	
Displayable ?	
Map Addable ?	
Map Displayable ?	
Map Display Type:	POINT
No Style ?	
Outline Colour:	
Fill Colour:	
Planning Outline Colour:	
Planning Fill Colour:	
	Save

The options to Save are:

Unique Display Name, and Abbreviation, as it will be shown across the system.

Equipment can be **Displayable** and **Addable**, in either Element Manager or GIS Mapping.

Display Type is the shape that will be presented on the map. Choose the Outline and fill Colour for both existing and new.

* Display Name:	Handhole (600 mm)		* Display Name:	Handhole (600 m	m)
Abbreviation:	HH600		Abbreviation:	HH600	
Addable ?			Addable ?		
Displayable ?			Displayable ?		
Map Addable ?			Map Addable ?		
Map Displayable ?			Map Displayable ?		
Map Display Type:	POINT	~	Map Display Type:	POINT	~
No Style ?	None CIRCLE HEXAGON		No Style ?		
Outline Colour:	POINT RECTANGLE		Outline Colour:		
Fill Colour:	SQUARE		Fill Colour:		
Planning Outline Colour:			Planning Outline Colour:		0
Planning Fill Colour:			Planning Fill Colour:		
	Save				
				8 🔵 =	0
				105	208 37
				R	G B ≎

Back

2.5.2 Equipment Cost Estimate

Equipment Cost Estimate allows the cost of each Equipment Type to be entered. This is for the CSV version of the Bill of Materials to indicate how much a project is going to cost.

Select Equipment Cost Estimate tab.

Enter an amount in the Estimated Cost column and Add.

111	My Accou	int - orleans_admin					
-	Details	Change Password Contact Details	User Preferences E	Equipment Types	Equipment Cost Estimate	Notifications	
*	Add / Update	Selected No Cost Cost Set All	~				2 🕒 ?
	•	Equipment †↓	Estimated Cost	Cost Currenc	sy No	ites	Action
		Internal Cabinet	89	£			Update
т		Handhole	77	£			Update
E		Footway Box	68	£			Update
()		Carriageway Box	75	£			Update
•		General Pole	82	£			Update
KML		Hollow Pole	81	£			Add
UGEO		Joint User Pole	1,000,000.00	£			Add
B		Defective Pole		£			Add

Options are presented to filter out items that haven't had a cost entered yet, or are already in the system. Costs can also be exported, and imported, if required.

2.6 Wayleaves and SED

In Projects **Wayleaves** and **Special Engineering Difficulties** are flagged and located in the tree under their own folders for easy navigation.

ut		Project Orleans HLD Map Fibre SLD Capacity Bill Of Material • Design Pack • Update
2+	Search Location 🗢 🖸	Park Create Low Level Project ?
*	▼ France	Details Inventory Projects Project Tasks History Project Mappers Connections Pending
н	▼ Centre	Project Orleans HI D
C.	▼ Orleans - ORLE	Name: Hojec Greans HLD
P	▼ Projects	Description:
	Cov Level Projects	Start Date: 05.09.2022
-	Project Orleans LLD01	End Date: 15.09.2022
⊕ M	▼ ○ € Civils	* Team: Team Orleans
	DP Locations	Project Leader
KML	Cobjects	
•	Maphalas	Public Project: Z
UGEO	Zones	Project Status: OPEN
	 Ducts 	
B	Tranches	* Phase Status: PLANNING
1.0200		Version: 1
?		High Lavel Breinstein None
Help	▼ SEDs	night Level Project. None
•	Bridge_Special Engineering Difficulty	Geo Data: Change
LO	▼ Wayleaves	Project Location Project Orleans HI DuArea
	A Lab'O_WAYLEAVE	
	↓ Wild Code_WAYLEAVE	Locations: Orleans
	 Orleans Aeroport 	Save Seek Review Reset Cancel Delete
	 Project Teams 	

They are both accessible from Reports.

UGEO						
R R	۲	Ê	2			
? Help	Cable End Points	Inventory Report	Custom			
	Routes and Networks Repo	rt				
	٥٤	•••	0	A	=	
	All Routes	All Pre-Allocated Networks	All Scheduled Networks	Route Details	Duct Route Details	
	Project Reports					
	#=		S 🕨 🗋			
	Project Status	All Special Engineering Difficulties	Wayleaves			
: -	▲ 2					Reports
						- Керона

2.6.1 Wayleaves

A **Wayleaves** is automatically created when a path is created across a property boundary. The default is 'Required', and this can be modified via the Wayleave form.

u		Wayleave Lab'O_WAYLEAVE		Мар
2 +	Search Location	* Display Name:	Lab'O_WAYLEAVE	
А н	▼ France ▼ Centre	Туре:	Wayleave	1
P	 ✓ Orleans - ORLE ✓ Projects 	* Status:	Please Select status Accepted	
E	 Project Orleans HLD Low Level Projects 	Cost Estimate:	Applied For Rejected Required	
⊕ M	Project Orleans LLD01 O O Civils DR L sections	Notes:		
KML	 Properties Cabinets 	-		
P UGEO	ManholesZones	Projects:	Project Orleans HLD OPEN PLANNING	
R	DuctsTrenches	Project Tasks:	None	
? Help	 O O Cables SEDs 	Predicted Length (m):	Decimal	
•	Bridge_Special Engineering Difficulty	Actual Length (m):	155.80	
LO	Wayleaves Lab'O_WAYLEAVE APPLIED FOR VE Orleans Aeroport Project Teams		Save Reset	

When a **Wayleave** has been **Accepted** then the number is expected to be entered to link up the approval with it's documentation.



The Wayleave status is shown not just in the tree, but also the on the map with a unique colouring.



Ducting can not be modified when the **Wayleave** is **Live** In other words when the status is *Accepted* and *Applied For* it is locked.

The ducting can be modified whist *Required*, and also when *Rejected* in order to move it out of the boundary.



2.6.2 SED

A user can add an **Special Engineering Difficulties (SED)** ...at any point via the toolbar. This will be added to the tree, and accessible from Reports.



2.7 Capacity

Navigate to Full Project from the tree.

Capacity is available when cables have been created. Select Capacity, on the top right.



User will have a view of Ducts, and Cables, with the option to display Used, Spare, In Service on the bottom right of the screen.



There is also the option to see if there is not much capacity with the Mark heat items which is configurable in Advanced Tree Settings.



Print a PDF in one page as presented on the bottom right.

1. **Move** the labels for optimum view, or use the **Auto Label** for auto adjustment; click button until satisfied.

- 2. Save the label position.
- 3. Place A4 landscape outline to show print area on map. Adjust until satisfied.
- 4. Start print to PDF



Option to print PDF using the Grid function.

- 1. Tick the grid box, located next to the refresh, and use the slider bar to choose the number of pages.
- 2. Tick the Multi? to use the multiple print option.
- 3. Select pages that are required, or select All.
- 4. Select Mulitprint to process the PDF.



The screen will grey out, then a prompt to save/open the PDF.

The PDF will comprise of the pages <u>selected</u> for print, along with a <u>cover page</u> of the grid areas. The PDF will also have a note of Map <u>detail key</u> (i.e: Cables/Fibres: Used/Total Tube) and the <u>date</u> printed.



2.8 Seek Review/Approval

Navigate to Full Project from the tree.

The Project Leaders (except Installer and Viewers) can request to review and accept.

When the project is complete with the planning, select **Seek Review.**

	Full Project Project Orleans	Map Capacity Bill Of Material - Update
 Search Search France Centre Cent	Details Inventory Projects Project Tasks History Pending * Name: Project Orleans Description:	roval cel

Click on Review Status **Pending Review** and a pop up indicates users to **Accept** the review.

	tel "	Full Project Orleans Map Capacity Bill Of Material * Update
•	Search	Details Inventory Projects Project Tasks History Pending
*	▼ France	Name: Project Orleans
	 Centre ▼ Orleans 	Description: Start Date: 04.05.2021
PP	Projects Project Orleans	End Date: 14.05.2021
P	 O O Civils O O Cables 	* Team: Team Orleans
E	O O Connections O O Closures	* Project Leader Yanner Leader
● KML	Prospects	Review Status: Pending Review
? Help	 Project Teams 	Version: 1 • Name: Planner,Approver
G	Prospect Teams	Locations: Orleans Name: Databuilder, Irusted
20		Reseek keview ↓ ✓ OK

The review team members will get a notification via both icon and email.
My Acc	ount - orleans_a	pprover						
Details	Change Password	Contact Details	User Preferences	Equipment Types	Equipment Cost Estimate	Notifications		
Sho	ow UnRead Only ?							0
				Message			Actio	on
Planner Le	eader needs review for pro	oject 'Project Orleans'	'V1				Accept	Reject View
Project 'Pr	oject Orleans' is at review	phase					Mark as Re	ad View
				« « 1	> >> 10 v			

The project can also be accepted when you navigate to project, or via View, and click on Accept Review located on the top right.

	Full Proj	ject <u>Pro</u>	j <u>ect Orle</u> a	ans			Ма	Accept Review	Reject Review	Capacity	Bill Of Material 🝷	Update	Back
.	Details	Inventory	Projects	Project Tasks	History	Pending							
е н				Des	* Name: scription:	Project Orleans							
æ ₽P				S	tart Date:	04-05-2021							
P				I	End Date: * Team:	14-05-2021 Team Orleans							
E				* Projec	t Leader:	Planner Leader							
КМL				Public	: Project: w Status:	Public Pending Review							
? Help					Version:	1							

If a team member **Rejects** the review, then the project will need to 'Re-seek Review' when resolved.

The Approval Status is **Reviewed** when all members have accepted.

Seek Approval can now be sent to the Approver to release funds to progress onto a Works Order.

utel "	Full Project Project Orleans Map Capacity Bill Of Material Update
Search Image: Project Orleans Image: Project Teams Image: Project Teams	Details Inventory Project Project Tasks History Pending • Name: Project Orleans Description: Start Date: 04.05.2021 End Date: 14.05.2021 • Team: Team Orleans • Project Leader: Planner Leader Public Project: . • Project Status: OPEN • Project Status: PLANNING Approval Status: Reviewed Version: 1 Locations: Orleans

Projects Guide V1.2

The approval team members will get a notification via both icon and email.



Note: If an Approver Rejects the approval, then the project will need to 'Re-seek Approval' when resolved.

The Approval Status is now **Approved** and the **Phase Status** is available for the Planner to modify from PLANNING to WORK ORDER_ISSUED.

Select Project Phase Status drop down, select WORK ORDER_ISSUED, and Save.

	Full Project Project Orleans	Map Capacity Bill Of Material • Update
 Search Search France Centre Centre Centre Contre Contr	Details Inventory Project Orientis Project Correlations * Name: Project Tasks * Name: Project Description: Start Date: 04.05.2 End Date: 14.05.2 End Date: 14.05.2 * Tearn: Team Or * Project Leader: Planne Public Project: * Project Status: OPEN * Phase Status: PLAN Version: COMPI Locations: Oriens	History Pending t Orleans 2021 2021 2021 2021 2021 2021 2021 202
	Save	Reload Cancel

2.9 SLD

The **Straight Line Drawing** is available after setting a Start Point in the map. Other reports that are related to this will also not be available.

U		Project	Project Orleans HLD	Project	Waiting Review	Map Fibre S	Fibre Straight Line Drawing	Design Pack - Update
* +	Search Location					Create Lov		Civils - Single Duct
*	▼ France	Details	Inventory Projects Proj	ect Tasks	History Project Mappers	Connections	Pending	
н	▼ Centre			* Mamor	Project Orleans LILD			Surface Type
6	Orleans - ORLE			Name:	Project Orleans HLD			
Р	 Projects 		D	escription:				Cable and Fibre
E	Constant of the second se			Start Date:	05-09-2022			Street Furniture - Cabinet
	Civils			End Date:	15-09-2022			Street Furniture - Chamber
	O O Cables			* Toam:	Toom Orloans			Release Sheet
IVI	SEDs			redill.	Team Uneans			Health And Safety Sheet
V.MI	Wayleaves		* Proje	ect Leader:	Planner Leader			Bill Of Quantities
NUL	 Orleans Aeroport 		Pub	lic Project:	Public			

Navigate to the map and select the desired Start Point by selecting the point and marking it.



2.10 Design Pack

The **Design Pack** is available to be printed through any stage in the Project.

u		Project Orleans Map Fibre SLD Capacity Bill Of Material -	Design Pack + Update
2 +	Search Location	Park Create Low Level Project ?	All
*	▼ France	Details Inventory Projects Project Tasks History Project Mappers Connections Pending	Civils - Single Duct Civils - Micro/Multiduct
н	▼ Centre	Design Orleans	Surface Type
IC?	 Orleans - ORLE 	* Name: Project Orleans	SLD PDF
P	▼ Projects	Description:	Cable And Eibre
	Project Orleans O O Civils	Start Date: 13.01.2023	Street Furniture - Cabinet
-	 Properties 	End Date: 23.01.2023	Street Furniture - Chamber
∰ м	Cabinets Manholes	* Team: Team Orleans	Release Sheet Health And Safety Sheet
\bullet	Zones	* Project Leader: Planner Leader 🗸	Bill Of Quantities
KML	Poles		
•	Ducts	Public Project:	
UGEO	Trenches	* Project Status: OPEN	
	Cables	* Phase Status: PLANNING	
R	SEDs	Version: 1	
?	 Wayleaves 	New	
Help	 Orleans Aeroport - AERO 	High Level Project:	
C) LO	 Project Teams 	Geo Data: Change	
dialat.		Project Location: Project Orleans-Area	
		Locations: Orleans	
		Save Seek Review Reset Cancel Delete	

The printouts can be done manually or auto. This setting can be found in My Account; User Preferences.

Scroll down to 'Others' and make your printout selection before saving.

	Report	
*	Auto Print?	
н	Equipment Name?	
C	Show Length?	

2.10.1 All

Selecting the All to print - the printouts that are available will be processed by auto fitting the view box and label placement.

The progress bar will show you which print is being processed.

Ш		Civils - Single Duct 🗸	
& +		Civils - Micro/Multiduct 🗸	
Ж н		Surface Type 🗸	
P		SLD PDF 🗸	
E		Cable And Fibre	
⊕ M		Street Furniture - Cabinet	
♥ KML		Street Furniture - Chamber	
P UGEO		Release Sheet	
R R		Health And Safety Sheet	
? Help	Chec	ck Map Tiles Ready To Print Pdf	
•		Bill Of Quantities	
LO		Cancel	

When the **Design Pack** has finished the printouts - a banner will be presented. You will find the files in the directly you selected to auto save to.

u	tel "	Design Pa	ack Print Done			Rec	ent download history Design Pack Project Orleans Bill Of	× ×
*	Search Location	Project	Project	<u>Orleans</u>		Мар	Quantities 20231123_170929.csv 3.3 KB • 1 minute ago	I Pack 🝷
А н	France Centre Orleans - OPLE	Dataila	Inventory	Dreigste Dreigst Taska	Uisten: Drainst	Update xa	Design Pack Project Orleans Health And Safety Sheet20231123_170928.csv	±
P	▼ Projects	Details	inventory	Flojecis Flojeci lasks	Project	mappers	23.8 KB • 1 minute ago	
E	 ▼ ○ ● Civils 			* Name: Description:	Project Orleans	×10	Sheet20231123_170928.csv 5.1 KB • 1 minute ago	
⊕ M	PropertiesCabinets			Start Date:	13.01.2023	101	Design Pack Project Orleans Street	
•	Manholes Zones			End Date:	23.01.2023		Chamber_2023_11_23_17_9_26.pdf 10.0 MB + 1 minute ago	
¢ KML	 Poles Ducts 			* Team:	Team Orleans Planner Leader		Design Pack Project Orleans Street	
UGEO	Trenches			Public Project:			Furniture - Cabinet_2023_11_23_17_8_46.pdf	
R	SEDs			* Project Status:	OPEN	_	9.4 MB • 3 minutes ago	
? Help	Wayleaves Orleans Aeroport - AERO			* Phase Status:	PLANNING	Full	download history	2
C	Project Teams			Version:	1			

2.10.2 Civils - Single Duct

The Single Duct print will be available when there are single ducts in the Project after the Start Point.

Start Point Name: Project O	rleans HLD		Job Title	Project Orleans	HLD	fas	stlight
			Drawing Title	Civils - Single D	uct		- Since
a contraction of the second	But fet Turcles	Rue des harties	Drawing No			Wolves Farm	ane
		Br Constanting	Designer			Hadleigh, Unit	ad ed Kingdom
Laver + Dui Son Laver + Qui So	Qual Streets 8 To Second	4 0	Approver				
A Market And A Market And A Market		Probability Pri 1977 Annes		R	evision	s	
and as for			Rev	Description	Date	e	Approved
1							
10.5ml							
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Leg	jend / K	(ey	
n termen ₩€€rmen				8/5mm Multidue	ct 4 Way	y - New	
			-	12/10mm Multie	duct 4 V	Vay - New	
A Miller Pol				12/10mm Multie	duct 7 V	Vay - New	
104e				96mm Single D	uct - Ne	ew	
1		Bords de Lotre					
		Automate the Tentionet					
Annue in Daring do More + 1 June		V A D					
n en Mars		1					
	Improve (Invester) Constant	rent					
Civils - Single Duct							
Name	Туре	Status		Length (m)		Start	End
FB04 08 - FB04 09	96mm Single Duct	Planning/Unav	ailable	380.37		FB04 08	FB04 09

2.10.3 Civils - Micro/Multiduct

The Micro/Multiduct print will be available when there are Microducts and Multiducts in the Project after the Start Point.



utel	Civils - Micro/Multide	uct				
Name		Туре	Status	Length (m)	Start	End
FB04_01 - FB04_02		12/10mm Multiduct 7 Way	Planning/Unavailable	11.16	FB04_01	FB04_02
FB04_02 - FB04_03		12/10mm Multiduct 7 Way	Planning/Unavailable	228.55	FB04_02	FB04_03
FB04_03 - FB04_04		12/10mm Multiduct 7 Way	Planning/Unavailable	16.00	FB04_03	FB04_04
FB04_04 - FB04_05		12/10mm Multiduct 7 Way	Planning/Unavailable	38.17	FB04_04	FB04_05
FB04_05 - FB04_06		12/10mm Multiduct 7 Way	Planning/Unavailable	14.09	FB04_05	FB04_06
FB04_06 - FB04_07		12/10mm Multiduct 7 Way	Planning/Unavailable	146.42	FB04_06	FB04_07
FB04_07 - FB04_08		12/10mm Multiduct 7 Way	Planning/Unavailable	34.93	FB04_07	FB04_08
SCDD01 - FB04_01		12/10mm Multiduct 4 Way	Planning/Unavailable	104.10	SCDD01	FB04_01
SCDD01 - SCD01		8/5mm Multiduct 4 Way	Planning/Unavailable	72.32	SCDD01	SCD01

2.10.4 Surface Type

The Surface Type print will be available when there are Trenches in the Project.



utel	Surface Type				
Name	Туре	Status	Length (m)	Start	End
Narrow Carriageway (Type 1/2)	Narrow Carriage	way (Type 1/2) Planning/Unavailable	47.45		
Narrow Footway (Concrete)	Narrow Footway	(Concrete) Planning/Unavailable	220.20		
Narrow Footway (Tarmac)	Narrow Footway	(Tarmac) Planning/Unavailable	45.09		
Narrow Verge (Unmade Terrain)	Narrow Verge (U	nmade Terrain) Planning/Unavailable	37.28		
Traditional Deep Carriageway (Type 1/2)	Traditional Deep 1/2)	Carriageway (Type Planning/Unavailable	32.72		

2.10.5 SLD PDF

The **Straight Line Drawing (SLD)** print will be available when a Start Point is selected, with any cables and connections following that point.



2.10.6 Cable And Fibre

The Cable And Fibre print will be available when there are Cables in the Project after the Start Point, matching with SLD.



2.10.7 Street Furnature - Cabinet

The Street Furniture; Cabinet print will be available when there are Cabinets in the Project.

	Start Point Name, Project Orlean	шр	Job Title	Project Orleans	HLD	factlight
	Start Font Mane, Froject Oriean		Drawing Title	Street Furniture Cabinet	- UTEL I	aboratories
and the second se	1	Z E insteader planter	Drawing No		Wolves Off Ipsy	Farm Lane wich Road
		Annual Contraction of the second se	Designer		Hadleig	h, United Kingdom
	- Milletan		Approver			
		A Line of the second se		R	evisions	
			Rev	Description	Date	Approved
	and the second sec					
		a Distance				
				Leg	jend / Key	
				Internal Cabine	t - New	224
				Street Cabinet	(Double Door) -	New
				Street Cabinet	(Single Door) -	New
The second						
<mark>,</mark> tel	Street Furniture - Cabin	et				
atel	۰ مربع Street Furniture - Cabin	et po Status		Latit	ude	Longitude
	Street Furniture - Cabin	et Status et Cabinet (Single Door) Planning/	Unavailable	Latiti 47.80	ude 15521	Longitude 1.919537
e D1 D01	Street Furniture - Cabin	et Cabinet (Single Door) Planning/ eet Cabinet (Single Door) Planning/	Unavailable Unavailable	Latit 47.86 47.86	ude 15521 15521	Longitude 1.919537 1.919537
1 tel 1 201 1	Street Furniture - Cabin	et Cabinet (Single Door) Planning/ eral Cabinet (Double Door) Planning/ eral Cabinet Planning/	Unavailable Unavailable Unavailable	Latiti 47.88 47.88 47.88	ude 15521 15521 15521	Longitude 1.919537 1.919537 1.919537 1.919537

2.10.8 Street Furnature - Chamber

The **Street Furniture - Chambers** print will be available when there are joint closures in poles/manholes in the Project.



utel	Street Furniture - Chamber			
Name	Туре	Status	Latitude	Longitude
JC_FB04_01_SCDD01::FB04_01_F12	4 way Closure	Planning/Unavailable	47.889971	1.895024
JC_FB04_03_FB04_01:FB04_03_F12	Generic Closure	Planning/Unavailable	47.892079	1.895678
JC_FB04_05_FB04_03::FB04_05_F12	Generic Closure	Planning/Unavailable	47.892564	1.895635
JC_FB04_08_FB04_05::FB04_08_F12	4 way Closure	Planning/Unavailable	47.894309	1.895474
JC_FB04_09_FB04_08::FB04_09_F12	4 way Closure	Planning/Unavailable	47.897701	1.895195

2.10.9 Release Sheet

The **Release Sheet** spreadsheet is a compilation of all the properties within the design.

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A	В	c	D	E	F	G	н			к	τ	м	N	0	Р	Q	R	s
1 Location	Display Name	Equipment Type	Zone	Notes	Coordinates	Project	Start Point	ONU	Type of Drop Cable (OH / UG)	SF Number	UPRN	UDPRN	USRN	Building Number	Street	Town	Postcode	Wayleave Type
2 Orleans	HOUSE01	House (SDU)			[[[47.865667606483065], 1912676283907109;0]];[47.8651543781044];1.91958414576638;0];[47.8652152915639],1.91949604954163;0]]; 47.86527825091843;].1.919282833899722;0];[47.86532405762209;],9 132922567990636;0];[47.86533322343],1.91913688207885770]];[⁴] necolori "#22222"11[[icolr"; 470ff001"][ill]ahoi"10.51]]													
3 Orleans	FLATSOI	Flats (MDU)			147.86517425021 (147.865178670457); 147.865447247371;197592302115746;0)[167.865562512379346; 1.916644530531806;0][147.86550812703124;1.91799167379370;0][203460320139114;0][147.8651806294522051;.920268306708879;0][147.865498242051];9202202154567385;0][147.8654982452051];9202202154567385;0][147.86549824590][147.86549842500][147.865499647744000][147.865499640][147.865499647744000][147.865499640][147.86549900][147.86549900][147.865499000][147.86549900000000000000000000000000000000000													
4 Orleans	BUILD01	Building			[[47.86629966492865;1.9199708006206344;0];[47.86625925176458 1;.320265980237215;0];[47.866401782370805;1.5202821408559068; 0];[47.8666453981575];5.1193497651751141;0];[47.866615573920 6;1.919897354900618;0];[47.86652119001;385;1.520250803987056; 0];[47.86638286374009];1.920461668940144;0];[47.8663718407937 4];1.200250662264138;0];[47.86621438073066;1.520245018511056; 0];[47.86613710610218;1.290373133094150];[47.8660223380038;1. 29201634940380;0];[47.8660449074555;1.3183230730856;0];[47.8660223930038]; 29201634940380;0];[47.8660449074555;1.3183230730856;0];[47.866023393038]; 29201634940380;0];[47.8660449074555;1.3183230730856;0];[47.86602339307385]; 19201634940380;0];[47.866044907555;1.3183230730856;0];[47.86602339307385]; 19201634940380;0];[47.866044907555;1.31832730730596;0];[47.86602339307385]; 19201634940380;0];[47.866044907555;1.318230738056;0];];													

2.10.10 Health And Safety Sheet

The **Health and Safety Sheet** spreadsheet is a list of hazards identified to be considered by the Build Team.

The designer/surveyor ticks yes/no. If yes to any issue on the list then the comments are added to that issue.

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	В		D			G	н
Type	ID	Safety Caution	Guidance For Planners/Surveyor	Caution	Yes	No	Guidance for contractors
Access /Entrance for Business	1.1	Blocking access to businesses like emergency services; Schools / colleges; doctors surgeries and residential homes etc.	Design to avoid where possible any obstruction and discuss to agree the route with the Authority and establish likely restrictions or requirements if there are any special communication links other than telephones.				Do not block any access to any third-party properties until agreement has been agreed through the planning process and adhere to client specification.
Business Entrance	2.1	Blocking access to businesses like emergency services; Schools / colleges; doctors surgeries and residential homes etc.	Establish written approval from the customer to enable contractors employees before gaining access to the site/s.				Contractors must ensure that they do not block any access to third party properties unless prior agreement has been made through the planning process; if so the stipulations set must be adhered to.
Entering Business	2.2	Complex Areas	Access to customer's site or sections of the site with any other issue like high noise levels will need be addressed before trenching.				Some properties i.e. hospitals; which have additional risks due to their activities may require detailed specific risk assessments on how risks are to be managed i.e. hearing protection.
Local Health Obstacles	3.1	Physically Disabled Persons	Be aware of residential care Institute/resident homes for any elderly or physically impaired persons who will be walking slowly and unsteadily or with wheelchairs.				Further risk assessment and controls may be required if works disrupt access arrangements.
Local Health Obstacles	3.2	Blind / Partially Sighted Persons	This relates to there being a local centre causing a much higher than average number of visually impaired persons using the footways.				For areas of a high flow of blind / partially sighted persons a further risk assessment may be needed taking into consideration additional arrangement to help i.e. tage / signs to break up heirs fencing; tactile paving slabs; traffic banksman to guide individuals around works etc
Public Highway Structures	4.1	Bridge Crossing (over or under)	Where possible design to avoid. If not then identify owner- Network Rail or another if privately owned to determine issues such as access requirements; structural loading; services; access to and from etc.				Specific risk assessments and where needed; method statements to be in place prior to works commencing. If necessary to take advice from the Health and Safety team.
Public Highway Structures	4.2	Towpaths / Working near water	Contact owners; i.e. British Waterways; private owners; or EA. Structural conditions of the towpath; river bank; lake sides etc needs to be determined; access to be finalised as may cross over several owners land.				Additional risk assessment will be required taking into consideration; Location / terrain; Team involved; Weather/time of year Rescue equipment /buoyancy aids; Dry dothes / towel; First aiders; Higher likelihood of Weils disease etc.
Public Highway Structures	4.3	Level Crossings	Permissions; competency arrangements; restrictions need to be determined before contractor appointed. May require input from the contractor early in the planning stage to meet Network Rail requirements. Mobilisation time for the works is likely to be increased if Network Rail is involved. Therefore worthwhile considering any alternative routes where feasible.				To meet all requirements set by Network Rail / track management i.e. inductions; site rules; specific training including track side qualifications. Additional risk assessments and where needed; method statements to be in place prior to works commencing.

2.10.11 Bill of Quantities

The **Bill of Quantities** spreadsheet is a quantity list of the material being used within the design. The BoQs are normally broken down to Civils & Cabling, then provide the items which in turn identities the tasks required to be carried out within the design.

X AutoSave Off 日 り、 C・		LD Bill Of Quantities 202311:	28_152633.csv ~ 2	O Search												
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	в		D	E							1	N	1	N	0	P Q
Cabinets	Total =															
Product Street (Single Deer)	Location	CableId	CableGeoLocation	PoleId	CableFibres	Status	Qty	2	-		_	_	-			
Internal Cabinet	Orleans					New		2	-	_	-	-				
Street Cabinet (Double Door)	Orleans					New		1								
Street Cabinet (Single Door)	Orleans					New		1	_			_				
					-				-		_	-				
Chambers	Total =															
0 Product	Location	HostClassName	CableId	CableGe	o Poleid	CableFibres	Status	Original	Walkway	Verge						
1 General Pole	Orleans	Poles					New		2		_					
2 Boundary Box 2 Handhole (600 mm)	Orleans	Boundary Boxes		-	-		New		2	_						
4 Boundary Box 400R	Orleans	Boundary Boxes			-		New		9							
5 Footway Box	Orleans	Footways					New		7							
6									_	_	_		_			
7 8 Toby Box	Total =															
9 Product	Location	CableId	CableGeoLocation	Poleid	CableFibres	Status	Original	Walkway	/ Verge	_		_	_	_	_	_
0 Boundary Box	Orleans					Existing	1	6								
1									_	_	_	_				
2 3 Couplers	Total =															
4 Product	Location	CableId	CableGeoLocation	Poleid	CableFibres	Status	Qty									
5																
6 7 Durts	Tetal															
7 Ducts 8 Product	location	CableId	CableGeolocation	Poletd	CableFibrer	Status	Length	Otv								
9 8/5mm Multiduct 3 Way	Orleans	Cabicity	Capic GeoLocation	, oreitu	constructes	Existing	congui	city	3	-	-	-				
0 12/10mm Multiduct 4 Way	Orleans					Existing			8							
1 12/10mm Multiduct 7 Way	Orleans					Existing			4			_				
2 8/5mm Multiduct 3 Way 8 8/5mm Multiduct 4 Way	Orleans					New		-	1	_	-		_			
4 12/10mm Multiduct 4 Way	Orleans					New			2							
5 12/10mm Multiduct 7 Way	Orleans					New			7							
6 96mm Single Duct	Orleans					New		_	4		_	_				
8					-			-	-							
9 Trenches	Total =															
0 Product	Location	CableId	CableGeoLocation	PoleId	CableFibres	Status	Length	Qty								
1 Narrow Verge (Unmade Terrain)	Orleans					New		-	1		_	_				
2 Narrow Footway (Tarmac) 3 Narrow Footway (Concrete)	Orleans					New		-	1		-		_			
4 Narrow Carriageway (Type 1/2)	Orleans					New			1		-					
5 Traditional Deep Carriageway (Type 1/2)	Orleans					New			1							
	1	1		1	1	i.			i.	1					i.	1
								_						1		
B Premises	lotal = Product	Location	HostClassName	CableId	CableGeolocation	Poleid (ableEibres	tatus	Otv							
0 Building	1 Port Generic ONT	Orleans	ONTs					xisting	16							
House (SDU)	1 Port Generic ONT	Orleans	ONTs				1	xisting	48							
2 Flats (MDU)	1 Port Generic ONT	Orleans	ONTS					xisting	4				-		-	
4 Flats (MDU)	SC-UPC NT	Orleans	Network Terminations					xisting	1					-	-	
5 House (SDU)	SC-APC NT	Orleans	Network Terminations				6	xisting	2							
6 Commercial (MDU)	SC-APC NT	Orleans	Network Terminations				6	xisting	1				-			
B Elats (MDU)	Aerial NI Aerial NT	Orleans	Microwaves					xisting	2			+	+	+	+	+
9 Flats (MDU)	Customer Splicing Point (CSP)	Orleans	Network Terminations					xisting	1							
60								-								
Dramica Addross Status	Total							_								
B Product	Location	HostClassName	CableId	CableGeo	PoleId	ableFibres	Status	oby Fed	Other	Qty						
4 Aerial NT	Orleans	Microwaves				E	Existing	0	4	. 4						
5 Customer Splicing Point (CSP)	Orleans	Network Terminations				E	xisting	0	1	1					+	+
5 SC-APC NT 7 SC-UPC NT	Orleans	Network Terminations				E	xisting	0	3	3		+	-	+	+	+
8 1 Port Generic ONT	Orleans	ONTs				E	Existing	0	68	68						
9 Calix 1 Port ONT	Orleans	ONTs				E	xisting	0	3	3						
1													-		-	+
2 Poles	Total =															
3 Product	Location	CableId	CableGeoLocation	PoleId	CableFibres 5	itatus (DG Fed	JG Fed	No Closure							
4 General Pole	Orleans					xisting	2						-			
6 General Pole	Orleans					xisting	1		1			+	+	+	+	+
7 DP Pole	Orleans					xisting			1							
8																
9 0 Fibre Cable Count Attached to Pola	Total =															
1 Product	Location	CableId	CableGeoLocation	PoleId	CableFibres	Status 4	18F 3	6F	24F	18F	12F	8F	6F	4F	2F	1F
2 ULW Cable	Orleans					xisting									2	
8 ULW Cable	Orleans					xisting						-	-		-	2
5													-	+	1	+ - 1
	Total =															
6 Splitters					Cable Ciberra			¥2	144	1.0						
6 Splitters 7 EnclosureType	Location	CableId	CableGeoLocation	PoleId	CableFibres	tatus	1×10		1X4	170		-		-		
6 Splitters 7 EnclosureType 8 Street Cabinet (Single Door) 9 4 Way Closure	Location Orleans Orleans	CableId	CableGeoLocation	PoleId	CableFibres 5	xisting xisting	1	1	114	110			-	-	-	
6 Splitters 7 EnclosureType 8 Street Cabinet (Single Door) 9 4 Way Closure 0 Street Cabinet	Location Orleans Orleans Orleans	CableId	CableGeoLocation	Poleid	CableFibres 5	xisting xisting xisting xisting	1	1	1 1 1	110						
6 Splitters 7 EnclosureType 8 Street Cabinet (Single Door) 9 4 Way Closure 0 Street Cabinet 1 4 Way Closure	Location Orleans Orleans Orleans Orleans	CableId	CableGeoLocation	PoleId	CableFibres 5	xisting xisting xisting xisting New	1	1	114	1.0						
Splitters Enclosure Type Street Cabinet (Single Door) 4 Way Closure Street Cabinet 4 Way Closure	Location Orleans Orleans Orleans Orleans	CableId	CableGeoLocation	PoleId		ixisting Existing Existing New	1	1	114	1.0						

2.11 Bill of Materials

Navigate to Full Project from the tree.

Select **Bill of Materials**, on the top right, and choose between CSV and PDF format.

utel	Ш	Project	Project	Orleans	HLD			Map Fib	re SLD Capacity	Bill Of Material +	Design Pack 👻 I	Jpdate
Search Locati	III an C royects Project Orleans HLD Low Level Projects C Civils C Civils C Colles EDs Colles C Colles C C Colles C C Colles C C Colles C C C	Details	Project	Orleans Projects	HLD Project Tasks * Name Description Start Date End Date * Team * Project Leader	History Project 05.09.2 15.09.2 Team O	Project Mappers t Orleans HLD 022 022 1022 11eans er Leader	Map Fib Park Cr Connections	re SLD Capacity Bate Low Level Project Pending	Bill Of Material ~ CSV PDF	Design Pack - U	Jpdate
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2.11.1 BOM PDF

Bill of Materials PDF:



47

utel	Project Name: I	Project Orleans HLD		
			Product	Quantity
			1:8 Splice Splitter	1
			8/5mm Multiduct 3 Way	1
			8/5mm Multiduct 4 Way	1
			12/10mm Multiduct 4 Way	2
			12/10mm Multiduct 7 Way	7
			96mm Single Duct	4
			Cable 6 Fiber (1tx6f)	1
			Cable 8 Fiber (11x8f)	1
			Cable 12 Fiber (1tx12f)	5
			External Cable 12 (1tx12f)	1
			External Cable 24 (2tx12f)	1
			Enternal Galact 24 (2002)	9
			EW/4 Chamber	2
				2
				2
			LC-APC to LC-APC Patch	16
			Narrow Carriageway (Type 1/2)	1
			Narrow Footway (Concrete)	1
			Narrow Footway (Tarmac)	1
			Narrow Verge (Unmade Terrain)	1
			Street Cabinet (Double Door)	1
			Street Cabinet (Single Door)	1
			Traditional Deep Carriageway (Type 1/2)	1
28/11/2023			F	Page 2 of 5
28/11/2023	CABLES		F	Page 2 of 5
28/11/2023	CABLES		Total (m) 24 67	Page 2 of 5 Total (m) + 20% 29.60
28/11/2023 UITEL Product Cable 6 Fiber (11x8) Cable 6 Fiber (11x8)	CABLES Length (m) 24.671 30.451		Total (m) 24.67 20.45	Page 2 of 5 Total (m) + 20% 29.60
28/11/2023 Product Cable 6 Fiber (1tx6f) Cable 6 Fiber (1tx8f) Cable 6 Fiber (1tx8f)	CABLES Length (m) 24.671 30.451 3727314 54 471 + 106 494 + 980 973 + 1	205.424	Total (m) 24.67 30.45	Page 2 of 5 Total (m) + 209 29.60 36.54
28/11/2023 Product Cable 6 Fiber (1bx8) Cable 8 Fiber (1bx8) Cable 12 Fiber (1bx8) Cable 12 Fiber (1bx12)	CABLES Length (m) 24.671 30.451 239.711+54.171+195.431+380.371+ 24.671	305.431	Total (m) 24.67 30.45 1175.11	rage 2 of 5 Total (m) + 209 29.60 36.54 1410.13
28/11/2023 Product Cable 6 Fiber (1bx8) Cable 8 Fiber (1bx8) Cable 12 Fiber (1bx12) External Cable 12 (1bx12) External Cable 24 (2bx12)	CABLES Length (m) 24.671 30.451 239.711+54.171+195.431+380.371+3 104.101 72.321	305.431	Total (m) 24 67 30 45 1175 11 104.10 72 32	Page 2 of 5 Total (m) + 20% 29.60 36.54 1410.13 124.92 86.78
28/11/2023 Product Cable 6 Fiber (1tx6f) Cable 8 Fiber (1tx12) External Cable 24 (2tx12) External Cable 24 (2tx12)	CABLES Length (m) 24.671 30.451 239.711+54.171+195.431+380.371+1 104.101 72.321	305.431	Total (m) 24 67 30.45 1175.11 104.10 72.32	Page 2 of 5

utel	DUCTS		
Product	Length (m)	Total (n	n) Total (m) + 20%
/5mm Multiduct 3 Way	305.431	305.43	366.52
5mm Multiduct 4 Way	72.321	72.32	86.78
10mm Multiduct 4 Way	30.451	30.45	36.54
10mm Multiduct 7 Way	34.931	34.93	41.92
nm Single Duct	380.371	380.37	456.44
		RR	
3/11/2023			Page 4 of 5
lei	TRENCHES		
	TRENCHES	Total (n	n) Total (m) + 2
JICE	TRENCHES	Total (n 47.45	n) Total (m) + 2 56.94 264 94
JICE Juct ow Carriageway (Type 1/2 ow Footway (Concrete) ow Footway (Tarmac)	Length (m) 47.451 220.201 45.001	Total (n 47.45 220.20 45.00	n) Total (m) + 2 56.94 264.24 54.11
fuct ow Carriageway (Type 1// ow Footway (Concrete) ow Footway (Tarmac) ow Verder (Unmade Terrar	Length (m) 47.451 220.201 45.091 37.281	Total (n 47.45 220.20 45.09 37.28	n) Total (m) + 2 56.94 264.24 54.11 44.74
oduct row Carriageway (Type 1/2 row Footway (Concrete) row Footway (Tarmac) row Verge (Unmade Terra ditional Deep Carriageway pe 1/2)	Length (m)) 47.451 220.201 45.091) 37.281 32.721 32.721	Total (n 47 45 220 20 45 09 37 28 32 72	n) Total (m) + 20 56.94 264.24 54.11 44.74 39.26
oduct arrow Carriageway (Type 1/2 urrow Footway (Concrete) urrow Footway (Tarmac) urrow Verge (Unmade Terra aditional Deep Carriageway ype 1/2)	Longth (m) 2 47.451 20:01 45.091 30 37.281 32.721 32.721	Total (n 47,45 20,20 45,09 37,28 32,72	n) Total (m) + 20 56.94 264.24 39.26

2.11.2 BOM CSV

Bill of Materials CSV:

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A	В	с	D	Е	F	G
1 Product	Quantity	Length (m)	Total (m)	Total (m) + 20%	Cost	Total Cost
2 1:8 Splice Splitter	1				£7	£7
3 4 Way Closure	3				£15	£45
4 8/5mm Multiduct 3 Way	1				£6	£6
5 8/5mm Multiduct 4 Way	1				£7	£7
6 12/10mm Multiduct 4 Way	2				£7	£14
7 12/10mm Multiduct 7 Way	7				£9	£63
8 24 Way LC-APC Pigtail Patch Cassette	7				£7	£49
9 96mm Single Duct	4					
10 Cable 6 Fiber (1tx6f)	1	24.67	24.67	29.604	£4	£118.42
11 Cable 8 Fiber (1tx8f)	1	30.45	30.45	36.54	£7	£255.78
12 Cable 12 Fiber (1tx12f)	5	239.71 + 54.17 + 195.43 + 380.37 + 305.43	1175.11	1410.132	£5	£7,050.66
13 External Cable 12 (1tx12f)	1	104.1	104.1	124.92	£5	£624.60
14 External Cable 24 (2tx12f)	1	72.32	72.32	86.784	£7	£607.49
15 Footway Box	9				£9	£81
16 FW4 Chamber	2					
17 Generic Closure	2				£15	£30
18 Internal Cabinet	2				£150	£300
19 LC-APC to LC-APC Patch	16				£3	£48
20 Narrow Carriageway (Type 1/2)	1	47.45	47.45	56.94	£9	£512.46
21 Narrow Footway (Concrete)	1	220.2	220.2	264.24	£9	£2,378.16
22 Narrow Footway (Tarmac)	1	45.09	45.09	54.108	£9	£486.97
23 Narrow Verge (Unmade Terrain)	1	37.28	37.28	44.736	£9	£402.62
24 Splice	25				£1	£25
25 Street Cabinet (Double Door)	1				£300	£300
26 Street Cabinet (Single Door)	1				£200	£200
27 Traditional Deep Carriageway (Type 1/2)	1	32.72	32.72	39.264	£13	£510.43
28						

2.12 Works Order

The Installer team member will get notification that the project is at **Works Order** phase, and they can proceed with **Install**.

There are *three ways* Installers can navigate to the **Project**:

Navigate from the Notification in My Account, Projects menu or Works Order menu:

My Account; Notifications tab:

Ш	My Account - orleans_installer	
_	Details Change Password Contact Details User Preferences Notifications	
*	Show UnRead Only ?	C B
н	Message	Action
P P	Project 'Project Orleans' is at work order issue phase	Mark as Read View
B wo	≪ < <u>1</u> > ≫ 10 ∨	Total Records: 1
2		

Project Menu; Installation tab:

utel	III Full Project	Project Orleans		Map Ca	pacity Bill Of Materia	Update
Search 🔹	Details Installa	tion Pending			2	5 B ¢
H Centre Corleans	Display I	lame †↓ Equipment Type	Network Status	Operational Status	Location	Action
	BB02 BB03	Boundary Box Boundary Box	In Build L	Jnavailable Jnavailable	Orleans	Install
? Help	BB04	Boundary Box	In Build L	Jnavailable	Orleans	Install
€ → LO	BB05 BB06	Boundary Box Boundary Box	In Build L	Jnavailable Jnavailable	Orleans	Install
	BB07	Boundary Box	In Build L	Jnavailable	Orleans	Install
	BB09	Boundary Box Boundary Box	In Build L	Jnavailable Jnavailable	Orleans	Install
	BB01 - BB02	Duct 3 way 8/5mm	In Build L	Jnavailable	Orleans	Install
	Selected Records: 0	C C C		>> 25 V	T	Total Records: 54
i 🛛					Project -	Project Orlear

Works Order Menu:

	Works Orders			
•	* Select Project:	Project Orleans	~	
	* Select Sub-Project:	Please Select	¥	
н н		Continue		
P P				
e wo				
2				

Select **Project**, **Sub Project**, and **Component** that is required to be installed.

11	Works Orders		
-	* Select Project:	Project Orleans	
а н	* Select Component:	Manholes	
P P		Continue	

WO

Select the Component task.

	Project Orlear Manholes	15		Back
▲	BB03			
H	BB04			
P	BB05			
e wo	BB06			
? Help	BB07			
•	BB08			
LO	BB09			

Select Install. The form will close and go back to the list of component tasks, minus the item installed.

Ш	BB03 OPEN		Back
_	Install Print		
А н	Name:	8803	
C	Status:	OPEN	
P	Description:		
	Start Date:	04-05-2021 00:00:00	
WO	End Date:	14-05-2021 00:00:00	
?	Priority:		
Help	Due On:		
•	Approved On:	10-05-2021 18:40:25	
LO	Approved By:	Planner Approver	
	Approved Email:	some_email2@someorg.org	
	Туре:	Boundary Box	
	Latitude:	47.867697	
	Longitude:	1.918227	

Note: If the Installer is untrusted then the Planner must navigate to the Pending tab and Accept the items installed by that user.

u		ш	Full Project Project Or	eans		Map C	apacity Bill Of Mater	ial 🝷 Update
•	Search 🗘		Details Inventory Projects Delete Selected Accept Selected	Project Tasks	History Pendin	3 (2)		C 🖪 🕈
н	 ▼ Centre ▼ Orleans ▼ Projects 		Display Name †↓	Equipment Type	Network Status	Operational Status	Location	Action
P P			BB09	Boundary Box Boundary Box	Built Built	Unavailable Unavailable	Orleans	Accept Accept
E F KML	O Connections O Closures Prospects		Selected Records: 0	**	< 1 > >>	25 ~		Total Records: 2

When all items are Installed, the Project **Phase Status** drop down is available for the Planner to modify from WORK ORDER_ISSUED to COMPLETE.

With the Project now Complete, all the items created can be utilized as existing infrastructure.

Even if the Project was set as a *non Public Project*, all items are now on view, with solid outlines as they no longer in a project.

Full Proj	ject Orle	eans Pro	ject				Map Capacity		
Details	Inventory	Projects	Project Tasks	History	Pending				
			* Name	Orleans I	Project				
			Description						
			Start Date	22-12-20	20				
			End Date	01-03-20	21				
			* Team	Team Or	leans				
			* Project Leader	The Plan	ner				
			Public Project	Public					
			* Project Status	CLOSED					
			* Phase Status	COMPLE	TE				
			Approval Status	Approved	d				
			Version	1					
			Locations	Orleans					
				Reload					

2.13 Project Status Report

This report gives the details of the projects the user is involved in. Scroll to the bottom of the page to access it.

UGEO						
R	۲	Ê	*			
Help	Cable End Points	Inventory Report	Custom			
LO						
	Routes and Networks Repo	rt				
	مځ	•••	0	A	=	
	All Routes	All Pre-Allocated Networks	All Scheduled Networks	Route Details	Duct Route Details	
	Project Reports					
	<i>¥</i> ≡					
	Project Status	All Special Engineering Difficulties	Wayleaves			
i 🖂	≜ ?					- Reports

Select the **Project** you would like to find out details.

Project Status					ľ
	* Select Project:	Please Select	,	•	
		Please Select Project Orleans Aeroport			
		Project Orleans HLD Project Orleans LLD01			
			[Country: France] [Sub Location: (Centre] [Location: Orleans] [Project Phase Status: PLA	ANNING]

Select the **Sub-Project** and **Component**. Select **Continue**.

===	Project Status				Back
2	* Select Project:	Project Orleans HLD	~		
А н	* Select Sub-Project:	Cables (Please Select	~		
P	* Select Component:	Cables Civils			
E					
Ф м					
Р GEO					
R R					
2					

Select **Component** to view details.

CDD01::FB04_01_F12		
04_01:FB04_03_F12		
04_03::FB04_05_F12		
04_05::FB04_08_F12		
D01::SCDD01_F24		

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The **Print** button navigates to the map screen to set up a pdf printout.



Place A4 outline, then select 'Start to print to PDF' when satisfied with outline and label placement.



The **PDF printouts** are the same as printing from the items.

2.14 Quick guide to creating on the Map

Construction of a network in FastLight GIS although mapping mostly mirrors the real world; it does have some additional requirements on the ordering of operations

- for any network section, the nodes of the civil engineering network must be created *before any duct* can be connected between them
- a duct start or finish may be at any one of the following nodes of the civil engineering layer:
- POPs: Central Office, Street Cabinet POP, Data Centre
 - \circ Cabinets
 - \circ Manholes
- a duct must be created before a cable can be installed within it
 - FastLight tracks duct capacity and utilization and will not allow a cable to be installed in a duct which has insufficient space
- two or more cables must be created with terminations at the *same* joint closure, POP or cabinet before fibers can be *connected between them*
 - \circ to see the connection editor screen
 - click on a POP or a cabinet; or
 - click on a manhole and then click on a joint closure in the pop-up which appears
- an ONT may only be placed within a building
- All items that have specific rules can be found on the '?' button located on the top left of the map, more details in the next section.

2.14.1 Map Buttons

In the Maps view, you will see a shortcut menu bar on the left-hand side of the maps screen underneath the zoom buttons.

Adding these items will automatically update the E/M Network Locations, also create Project Tasks.



There are quite a few features available on the Map function, apart from the toolbar. Hover over each button on the map; and a brief description of the function is available.

1. Zoom, Advanced Settings, Help, Refresh, Search, Print, Ruler, Measure, Capture, Last View and Global Bookmark

'Zoom In' and 'Zoom Out' is similar to the mouse scroll in and out.



The Map Advanced Settings pop-up is a useful tool, especially to apply a unique Fastlight experience:

Duplicate		
Check Duplicate Points:	☑ 10	Km
Мар	•	
Wheel ToolBar:		
Mini Map:		
Full Green Info:		
Cone		
Zone Contents Close:		
Zone Fill Colour?		
able		
Length Threshold:	2000	m
Auto Select Next Tube:		
Auto Cable		
End Point Type:	General Pole	
Cable Type:	Drop Cable 1 (1tx1f)	
Default Closure:	4 Way Closure 🗸	
Default Patch Cassette:	24 Way LC-APC Pigtail Patch Cassette 🗸 🗸	
Default Patch Group:	72 Way Patch Group 🗸	
Filter Only Unconnected:		
Max Number of Cables:	10	
Radius		
Inner Radius (meters):	75	
Outer Radius (meters):	85	
Aouse		
Scroll Wheel Zoom:		
Scroll Wheel Zoom Center:		
Wheel Debounce Time:	40	
Wheel Scroll Divole		
Wileer Scioli Pixels.	300	
Nap Rendering		
Map Tile Clipping:	Low	
Special Render:		
Other		
Layers Off:	Choose Base Class 🗸	
Overlay Map Tiles Enabled ?		
Reveal Timeout (s):	10	
Path Angler:		
Path Angle:	120	
Region Draw Type:	Click Points	
Region Content Area:		

Wheel Toolbar:

When ticked; the Wheel Toolbar functionality is enabled and can be used.

Mini Map:

When ticked; the mini map window is enabled.

Scroll and move around to see where on the map you are located



Full Green Info:

When ticked, shows LatLng, Zoom, and Hover Item Name. If not then only shows Hover Item Name.

Zone Contents Close:

When ticked; zone open and close is enabled. This allows big data within a zone to be hidden until the zone is selected to be opened.

Zone Fill Colour ?

When ticked; this applies all the items within a zone to have the same fill colour as the zone.

Length Threshold:

When ticked; the permitted distance threshold between enclosures for new cables will be checked. The default length is 2000m, the minimum is 0m and the maximum is 4000m.

Auto Select Next Tube:

Map cabling creation allows for last tube selected to be applied along its duct path

Inner and Outer Radius (meters):

Set map radius indicator to a set distance to visually see what is within that distance from the point selected.

Scroll Wheel Zoom:

When ticked; enables map zoom with mouse scroll wheel.

Scroll Wheel Zoom Centre:

When ticked; enables map zoom with mouse scroll wheel to zoom around map centre rather than mouse position.

Wheel Debounce Time:

Time in milliseconds to limit the rate at which a mouse wheel can fire.

Wheel Scroll Pixels:

Number of wheel scroll pixels per change of zoom level. Smaller values will make wheel-zooming faster (and visa versa).

Overlay Map Tiles enabled?

When ticked; the user views the normal map tiles as transparent over the top of secondary map tiles.

This assists being able to check alignments of map features.

Reveal Timeout (s):

Set map point reveal timeout

Trench Angler:

When ticked: the angle code will flag trenches that are laid with an angle that is too great for Civils.

Trench Angle:

Set the degree that the angle of the trench can go to before flagged as an issue.

Region Draw Type:

Choose between drawing a region between Click Points and Drag Rectangle

Region Draw Type:	Click Points	~	
	Click Points		
	Drag Rectangle		

Region Content Area:

When ticked; E region map loads and is used to check that the region covers the content.

Map Tile Clipping:

Set clipping buffer so point items don't render badly. Low value is less clipping but slower.

The Help pop-up has two tabs; Description of items (including their rules) and keyboard Shortcuts.

elp	< 5
Description	Shortcuts
Point	
Region	
Path	
Cable	Description
Associate	Must start from a Boundary Box Type Item and end at a Building
CBT Cable	Must start from a Joint Closure in an existing Manhole/Pole and must end at a new CBT
CBT Drop Cable	Must start from an existing CBT and must end at a CSP
Over Head Cable	Must start from a Pole and must end at a Pole
Armored Cable	Must start from a BB and must end at a NT/ONT/DP
100000000000000	Allowed only inside a Pop. It goes from POP to ccj

Refresh:



The refresh allows the map to be dynamically updated with any items created by other users.



Enter the latitude and longitude of the spot you want to navigate to. Enter the name of the item that is being searched for.

Search		×
* Search By: * Equipment:	Name	
		Focus Start Point Go Cancel

Print:



Landscape and Portrait will print the view on the screen.

Auto will print the area comprising of all the items.

Custom will present you with a drag box function to choose the area to print.

Enable Ruler:



Click on the map to place a point to start measuring from.

Each point will show you the distance. Double click for a second ruler. Escape to disable.



Measure distance and Area:

+ -	٥	?	0	٩	₽	-	Measure distances and areas		멸	0	
C20				1			• Create a new measurement	1	1		

Click on the map to place a point to start calculation from. Each point will add to the calculation. Finish and the area will be there until you delete it.



Capture Planning Zone & Capture Splitter Zone:





This allows a polygon to be drawn including items to assist in planning. They can be edited, saved to an actual zone or removed.

The Planning Capture indicates the number of MDU and SDU that you captured within the polygon.



The Splitter Capture indicates the number of MDU and SDU, as well as items within the polygon.



Last View:



Last view assists the user on finding where they were last working before the user left the map screen

Save & Load Current Global Bookmark View:

+ - • ? 3 9 8 / 1 1 1	
	Global Bookmark Current View
+ - * ? 2 4 8 / 1 2 9 8	
	Load Current Global Bookmark View

In order to return to the view you currently have, Save and Load the bookmark.

2. Layer Views

Layer Items Control:

Every time an item is added to the Map - it gets added to the Layer Control.

When the map gets busy there is an option to turn off viewing certain items.

Associates	
Boundaries	
CBTs	
Cabinets	
Cables	
DP Locations	
Distribution Points	
Ducts	
Label Zones	
Locations	
Manholes	
Microwaves	
Network Terminations	
ONTs	
POPs	
Patch Cables	
Poles	
Properties	
Zones	
	1

Layers On and Off:

This can be used when needing to see the map without the added items.



View:

The 'View' has a feature to filter out the new and existing inc. new.



Fit:

The 'Fit' drop down toggles between the POP Location view, Project Area, Add Locations, involving the items selected in *View*.



3. Mini Map

Enabling **Mini Map** - you have the ability to see where you are in your POP Location.

It is a dynamic view, with the ability to move the red square to where you require for each of navigation.



4. Add Alien locations

The ability to see the other locations, within your Sub Locations, aids in test trunk/backbone network.



Selecting an alien location to **Add** to the map will allow it to be viewed alongside the main location.



5. Point item control

While items should be realistic sizes, for ease of navigation - the size can be modified with the Slider Bar.

The options are: Slide to Set, Reset default size, Reveal Points and Large Points Mode.



While zoomed out of the map - a quick Reveal Points pops up the items really large to find items. This also helps with laying auto cables.



6. Satellite View Overlay Control

This overlay assists in the building of the network. The options are: Show Overlay, Hide Overlay and Set Opacity



7. Repeat last selection

After selecting an item to be created, the toolbar will remember that action and open the sidebar to assist in the next creation.

8. Pointer Information

The pointer information follows the mouse, and reports live LatLng (Latitude and Longitute) information, as well as Zoom level.

Hovering over an item will give details of it

i.e.: hover over duct and the name will appear, along with the length of the duct.



9. KML Load

The map has the ability to load in kml as an overlay. Expand the 'K' bar. The options are: Clear Load, Fit Loaded Items, Toggle Layer On/Off and Load.

к	×	Fit	0	±

Load allows multiple files at one time.



2.14.2 Creating in Map

Getting to know the *map buttons* in the previous section will make the guide easier to follow.

All point items get created in a similar way,

Any items that need particular items first, like a building for an ONT, or particular rules, will have a message to assist the user.

Enter the map by selecting the Map button on the top right of the forms.

2.14.3 Creating Points in Map

Select the item you want to start designing with - this example is a Street Cabinet.



A sidebar will appear on the right-hand side.

Input a display name for the Cabinet according to your *naming convention* and any relevant Notes you wish to add.

There is an option to 'Add and continue' and 'Auto Increment'.

111	Orleans Project Orleans HLD	× Street Cabinet (Single Door)
•	+-•?298/0	* Display Name:
		SCD01
Ан	Rue François Margottin	N. de ca
C.		
P		
E		
۲		Add and Continue
M		Auto Increment
KML		Prefix
Ŷ	Burbinet	Start Onset:
UGEO		Number Width:
R		6
?		OK Cancel
нер		

Clicking **OK** re-engages the map screen with a target marker.

Move around the map and use the zoom function to place this as accurately as possible on your map.

The Latitude and Longitude coordinates of the marker are visible in the top right-hand corner of the maps screen for reference.

Click to place the marker.



The Cabinet will now appear in the **Tree**, but as a Project Task. Open the burger bar to see the tree items.

Right click on the Cabinet Project Task on the tree then gives you the option to view the Details.

Another way to Cabinet **Details** is to click the icon on the map.

This will display the Cabinet name, along with the options to Details, Delete, Move, Create Cable, Connections, Fit, Start Point and Print.



Hover over the **name** will give a few quick view details.



The options for manholes are the following:

	Orleans Project Orleans HLD					
	1 10 1					
	+ - • ?	C Q 🖶 🛩 🗖	🖾 🖳 🕑 📕 🔳			
2	LEI		T			
*						
н	1 5					
C						
P			•			
	_ Manholes ×	Footways X	wvo x			
_	Boundary Boxes	s Footway Box	Original			
()	Carriageways	FW2 Chamber	Verge			
	Footways	FW3 Chamber	Walkway			
KMI	# Handholes	FW4 Chamber	1			
		FW6 Chamber	A			
UGEO		FW10 Chamber	1.1			
	Manholes	11. N				
R	(X)		1			
?	*		· · · ·			
Help			/ K / ·			
•	Ø		1.1			

2.14.4 Creating Paths in Map

In order to create Ducts, or non-duct cables, you need to have already created Cabinets, Manholes, Poles and DP/NTs.

These items will be used as a start and end point.

Remember that you should **always build from the POP towards the ONT** in order to ensure you have a fully connected Network.

In the toolbar, select the Ducts icon.
-	÷.		1 1
	-		
-	Ducts ×	Multiducts ×	4 Way 🗙
Þ	Single Ducts	2 Way	Multiduct 4 Way
-	Microducts	3 Way	7/3.5mm Multiduct 4 Way
-	Multiducts	4 Way	8/5mm Multiduct 4 Way
-	Other Ducts	7 Way	12/10mm Multiduct 4 Way
П		8 Way	14/10mm Multiduct 4 Way
	Ducts	= 12 Way	16/12mm Multiduct 4 Way
0		19 Way	1.
"A"		24 Way	1
*	TI	26 Way	1 1.
8			X
0.			

Select the type of Duct you wish to create.

Use the **Pointer Information** green bar, on the bottom right-hand corner of the screen, for reference on distances.

First select a **Start Item** (POP/Cabinet/Manhole/Pole). The text on the footer will prompt you with the next step.

Then select an End Item (Cabinet/Manhole/Pole/DP/NT/ONT).



When you have selected your end point, your path route place will become active.



As accurately as possible, click on the map to create the required path - using as many points as necessary.

You will notice that it auto-calculates the distance between the start and end points.

The duct path can be edited at anytime after being created if the exact path isn't known.

Include any **intermediate items**, if there are any, and the duct naming will automatically be modified to include the points "*Start point – End point*".

Click the Last Item to finish your line.

This will then display the duct on the screen as a line and will now appear in the Tree, but as a Project Task.

Open the burger bar to see the tree items.

Right click on the Duct Project Task on the tree then gives you the option to view the Details.

Another way to Duct **Details** is to click the icon on the map. This will display the Duct name, along with the options to **Details**, **Delete**, **Edit**, **Split**, **Fit**, **Check Angles**, and Add Ducting.

Hover over the name will give a few quick view details.



There is an option to create a Multiduct or Microduct within a Singleduct with the Add Ducting functionality. Scroll and select the desired inner duct to be added.

		Orleans Project Orleans HLD	
U		+ - • ? 2 9 8 2 1 8 9 8 8	
-	Search Location		
*	▼ France		()
C	 Vorleans - ORLE 	C Add Ducting Select Item	View -
P	Projects Project Ocleans HLD	Add Ducking - Select item	Fit *
E	Low Level Projects		Back
۲	▼ ○ O Civils	14/10mm Microduct	Mini
M	Manholes	25/20mm Microduct	Add
KML	Ducts O O SCD01 - FW601	20/16mm Microduct	
P UGEO	○ • Cables	8/5mm Multiduct 2 Way	
	SEDs	14/10mm Multiduct 2 Way	
R	 Project Teams 	12/10mm Multiduct 2 Way	
? Help		* 45/42mm Multiduct 2 Way	
C+		Control Records: 36	
LO			
		1	

Click the duct path and both items will be displayed to be selected.



Cables can now be created to follow the duct path.

The Cables can be selected from the toolbar or from it's starting point 'Create Cable' button.

The functionality will be the same as ducting, except the user will get the opportunity to select which tube if within a Multiduct.

2.14.5 Creating Regions

In Fastlight; Zones, DP Locations, Boundaries and Properties are regions.

Since Regions are an area rather than a specific point, you draw it with the Region Draw Type setting you chose.

Either 'Click Points' (by clicking the square icons around the edge of the required area) or 'Drag Rectangle'.

2.14.5.1 Creating Zones

In the Tree, select the relevant POP-Location and then the *Network Locations* folder. In the maps shortcut menu, select the **Zones** icon.

*	
\$	
1	Zones 🗙
66	Planning Zone
	Splitter Zone
ø	Zone

Select the Zone you wish to create (Planning Zone, Splitter Zone and Zone).

Zone is effectively an area to separate out the items within a POP location. All types of Network locations can be placed within this area, and they will fall under it's parent in the Tree.

A sidebar will appear on the right-hand side.

utel "		Zone
Search Q C	c and the second se	* Display Name: Zone
H Centre		Notes:
A ORLE-POP 01		
T Preallocated Networks		Add and Continue
		Auto Increment Prefix
E	Laser Quest	Start Offset:
		Number Width: 6
♥ UGEO		OK Cancel
		a de la companya de l

Input a display name for the Zone according to your *Naming Convention* and any relevant Notes you wish to add.

There is an option to 'Add and continue' and 'Auto Increment'.

Clicking OK re-engages the map screen with a white box marker. Place the region and Complete.

The Zone name will now appear in the **Tree**, right click and you will get options for easy navigation to **Details**.

Another way to Zone **Details** is to click the icon on the map.

This will display the Zone name, along with the options to **Details**, **Delete**, **Edit**, **Fit** and **Set Colour**. Please note that if an items are placed in this area - the delete will not be available.



On the Zone **Details** form you can rename the Zone at anytime.

On the Zone Edit; move the boundary outline until the desired edit.

Ensure you click the Complete button to save the Edit change.



On the Zone **Set Colour**; select the desired colour and shade. You can also type in the name of the colour you need.



2.14.5.2 Creating Default Building

In the Tree, select the relevant POP-Location and then the *Network Locations* folder. In the maps shortcut menu, select the **Properties** icon.



Select the type of Property you wish to create.

A sidebar will appear on the right-hand side.



Input a display name for the Building according to your *naming convention* and any relevant Notes you wish to add.

There is an option to 'Add and continue' and 'Auto Increment'.

An option is available to automatically add a default building to save time.

An NT, ONT, Microwave and Boundary Box can be placed within this area, and it will fall under it's parent in the Tree.

This will be explained in depth in the next section.

Clicking OK re-engages the map screen with a white box marker. Place the region and Complete.

The Building name will now appear in the **Tree**, right click and you will get options for easy navigation to **Details**.

Another way to Building **Details** is to click the icon on the map.

This will display the Building name, along with the options to **Details**, **Delete**, **Edit**, **Move** and **Fit**. Please note that if an items are placed in this area - the delete will not be available.



The options to create a **Default Building** are:

🗹 Place Default Building			4
🛃 Place NT		Place Microw	ave
SC-UPC NT			~
Cable to NT		Cable to ONT	
Drop Cable 1 (1bx1f)			×
Select Cable Sheath:			
red _			
Select Default Closure Typ	be:		
4 way Closure			×
Select Default Duct Type:			
Duct 2 way 8/5mm			~
Place ONT			
1 Port Generic ONT			~
NT to ONT Patch Type:			

Disco NT	
	Place Microwave
SC-UPC NT	~
🗹 Cable to NT	Cable to ONT
Drop Cable 1 (1tx1f)	~
Select Cable Sheath:	
red management	~
Select Default Closure 1	Гуре:
Select Default Closure 1 4 way Closure	Гуре:
Select Default Closure 1 4 way Closure Select Default Duct Typ	Гуре: С
Select Default Closure 1 4 way Closure Select Default Duct Typ Duct 2 way 8/5mm	Type: V e: V
Select Default Closure T 4 way Closure Select Default Duct Typ Duct 2 way 8/5mm Place ONT	Type:
Select Default Closure 1 4 way Closure Select Default Duct Typ Duct 2 way 8/5mm Place ONT 1 Port Generic ONT	Гуре: e:
Select Default Closure T 4 way Closure Select Default Duct Typ Duct 2 way 8/5mm Place ONT 1 Port Generic ONT NT to ONT Patch Type:	Type: e:

Place NT	lace Microwave
SC-UPC NT	~
🗹 Cable to NT 📃 C	able to ONT
Drop Cable 1 (1tx1f)	~
Select Cable Sheath:	
red	\sim
Select Default Closure Type:	
4 way Closure	~
Select Default Duct Type:	
Duct 2 way 8/5mm	~
Place ONT	
1 Port Generic ONT	~
NT to ONT Patch Type:	
	- Constanting

Place NT	Place M	licrowave
SC-UPC NT		~
Cable to NT	Cable to	D ONT
Drop Cable 1 (1tx1f)		~
Select Cable Sheath:		
red		~
Select Default Closure Ty	/pe:	
4 way Closure		~
Select Default Duct Type	:	
Duct 2 way 8/5mm		V
Place ONT		
1 Port Generic ONT		~
NT to ONT Patch Type:		
SC-APC to SC-APC Pat	ch	

erial NT		~
Cable to Microwave		Land
licrowave Cable Fiber	2 (1bx2f)	4

🗹 Place Default Building	
Place NT Place	ce Microwave
SC-UPC NT	~
Cable to NT 🛛 🛃 Cab	le to ONT
Drop Cable 1 (1tx1f)	~
Select Cable Sheath:	
red management	~
Select Default Closure Type:	
4 way Closure	~
Select Default Duct Type:	
Duct 2 way 8/5mm	~
Place ONT	
1 Port Generic ONT	~
NT to ONT Patch Type:	
SC-APC to SC-APC Patch	~
Place Default Building	
Place NT 🗹 Place	e Nicrowave
Apris NT	

Microwave Cable Fiber 2 (1b2f) Please Select equipment type Microwave Cable Fiber 2 (1b2f) Microwave Cable Fiber 4 (1b2f) ~

2.14.5.3 Creating Default Boundary

The options to create a **Default Boundary** are:

Place Default Boundary		Place Default Boundary	< 2
Place Default Building	-	Place Default Building	-
Building	~	Building	~
Place Boundary Box		Place Boundary Box	
Boundary Box	~	Boundary Box	~
Associate Type:		Associate Type:	
Associate	~	Associate	~

- 1. Place just a Building within the Property
- 2. Place a Boundary Box within the Property and Associate it with the Building

When placing a **Default Boundary** you don't get the option to place the outline, just a point that you can modify if needed.



A Default Building within a Default Boundary will also display as a box in a box.



If required - edit the outline of the Boundary and/or Building and select 'Complete'

⊕ M	Network Locations DP Locations	
♦ KML	Aluminium Property Aluminium Property BLD_01	Aluminium Property BLD_01
UGEO	CabinetsManholes	Complete Cancel
R	Cables Forleans Aeroport	Société Industriele Industriele
LL		

If required - create more Buildings within the Boundary

There is functionality to associate a **Boundary Box** to a Building.

Select a **Boundary Box** on the map

Select 'Create Associate' button, and then select the building it should be associated to.

An **Associate** is created and viewed on the map as a solid line to the center of the building. The **Boundary Box** will also now be displayed under the associated building in the tree This **Associate** can be deleted at anytime.

All associations can be turned off on the layer control if desired, similar to the other elements.



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