Issue Date: 01st May 2023 LF600013-CST-DOG-NOT-0002 Weekly Notice of Operations – Rev 003

Work Planned for the Period 01.05.2023 to 07.05.2023

Offshore Construction of the Dogger Bank B Offshore Wind Farm will commence on the 25th of April 2023 with the installation of the OSP jacket foundation.

This notice will be updated weekly, giving information on the progress and resources involved in the offshore project. The intention is to give an overview of activities and vessels involved. Should anyone have questions regarding the operations, we kindly ask you to put them forward well in advance.

Dogger Bank Offshore Wind Project is a development project within the Renewables offshore wind sector for the three owners; SSE, Equinor and Vårgrønn. Dogger Bank B is the second stage of development in the Dogger Bank Zone in the United Kingdom. It will have a consented capacity of up to 1.2 GW.

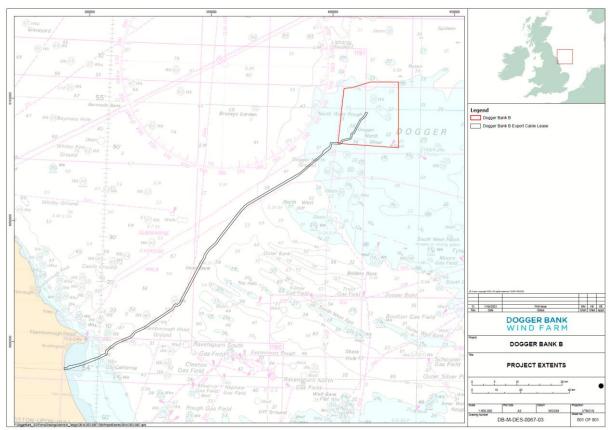


Figure 1 Dogger Bank B Offshore Wind Farm Location

Issue Date: 01st May 2023 LF600013-CST-DOG-NOT-0002 Weekly Notice of Operations – Rev 003

1. Contact Details for Marine Coordination

The following contact can provide more information if required. Please note that specific queries can also be addressed to the relevant vessel or shore-based representatives.

Duty Marine Coordinator Telephone Number	+44 (0) 7586 332078
Emergency Contact (24/7)	+44 (0) 7586 332078
Email for Marine Coordinator	gm_dbmcc@equinor.com
Address	Dogger Bank MCC, Dogger Bank Operations & Maintenance Base, Enterprise Way, East Side, Port of Tyne, South Shields NE33 5SW

2. Ongoing Operations

2.1 Export Cable – Nearshore Works

On behalf of Dogger Bank Windfarm, NKT will carry out nearshore intervention works in support of the installation on the Dogger Bank B Export Cable in the Dogger Bank A & B Export Cable Corridor.

The works commenced on the 25th of March 2023 in the vicinity of Bridlington Bay, approximately 1400 metres from shore and will continue until the 30th of May 2023.

the Offshore Service Vessel **Isle of Jura** will deploy a five-point mooring spread. Each mooring can will be fitted with a yellow marker light, which will display a set flashing sequence. A Pioneer boat (onboard the **Isle of Jura**) will assist with the connecting and disconnecting of the mooring lines from the Isle of Jura to the mooring array. The **Isle of Jura** will remain on station/site during the night and be manned 24 hours throughout.

Diving operations will be carried out from the **Isle of Jura**. The diving activities will include, exposing the HDD exit points and to prepare the HDD's ready for the submarine power cables. Once the submarine cables have been installed, the diving activities will include sealing and grouting the of the ducts. Diving operations may be carried out in the hours of darkness. A short safety message will be broadcast at the start and end of each diving operation on VHF Ch16.

The CTV **Seafast Don** will be carrying out MBES surveys of the seabed and along the pre-cut trenches throughout the dredging activities. The survey gear will be positioned on a side mounted pole and extended into the water. When engaged in survey activity, the **Seafast Don** will make several passes over the area at a reduced speed.

Issue Date: 01st May 2023 LF600013-CST-DOG-NOT-0002 Weekly Notice of Operations – Rev 003

The Backhoe Dredger Barge **Abeko Server 3** will be carrying out spoil management, trenching and backfilling activities. The backfilling activities will commence once the submarine power cable has been installed. The **Abeko Server 3** will remain on station/site during the night and be manned 24 hours throughout. The Tug **Duke of Normandy** will remain with the **Abeko Server 3** to assist in barge movements/relocation on site and towing to port as and when required.

The CTV, **Celtic Mara** will be conducting crew transfer activities from Bridlington Harbour to the **Isle of Jura** and **Abeko Server 3** daily.

2.2 Export Cable – Installation and Burial

The cable laying vessel, **NKT Victoria**, will install the Dogger Bank B export cable in the Southern North Sea in two sections. In addition, concrete mattresses will be installed at the Langeled and SEAL pipeline crossings.

The installation work will be performed in two Campaigns, starting approximately the 16th April 2023 and continuing until approximately 10th June 2023. The work will be continuous, 24 hours a day.

The trenching support vessel, **Grand Canyon III**, will perform post-lay cable burial operations, including post-trench survey, on the Dogger Bank B export cable in the Southern North Sea.

The work will be performed in a single Campaign, starting approximately the 04th May 2023 and continuing until approximately the 08th August 2023. The work will be continuous, 24 hours a day.

2.3 Export Cable – Guard Vessel Deployment

Installation of the Dogger Bank B Offshore Windfarm Export Cable will commence on the 15th April 2023. Guard vessels will be deployed to protect the cable bundle from start of cable lay until the cable is adequately protected by means of trenching or rock placement.

To provide the required coverage, approximately 15 guard vessels will be used in the period from the 15th April 2023 until the 30th August 2023. Durations at each location will depend on progress of the cable installation, trenching and rock placement operations. Not all the vessels are expected to be used concurrently.

The primary purpose of the guard vessels is to protect exposed cable along the Dogger Bank B Export Cable corridor by monitoring and issuing warnings to marine traffic operating within 6nm of the construction area with a Closest Point of Approach (CPA) < 1.5nm. More specifically, the focus will be on those vessels with potential to be engaging in bottom contact activities such as fishing and anchoring.

The guard vessels will be clearly marked and display a highly visible "GUARD" sign on each side. The vessels will operate 24hrs, in all but extreme weather. Exchange of vessels on site will ensure the relevant section of cable is never left unguarded.

Issue Date: 01st May 2023 LF600013-CST-DOG-NOT-0002 Weekly Notice of Operations – Rev 003

In sections where cable protection has been completed, guard vessels will be released and sections will be opened for fishing or use of other equipment with seabed intervention. This may not necessarily be in a sequential order from shoreside outwards.

Details of deployed Guard vessels are presented in the Vessel Data Matrix at the end of this document.

2.4 OSP Jacket Installation

The Offshore Installation Vessel, **HLV Thialf**, will install the Offshore Substation Platform (OSP) jacket foundation within the Dogger Bank B construction area. The works will commence on the 25th of April 2023, continuing until approximately 1st of May 2023. The works will be continuous 24 hours a day.

During operations, the **HLV Thialf** will be restricted in its ability to manoeuvre as defined under COLREGs (International Regulations for Preventing Collisions at Sea 1972) and will display the appropriate day shapes and lights. The vessel will also transmit an Automatic Identification System (AIS) message. The offshore supply vessel **Bylgia** will assist the **HLV Thialf**

There will also be 2 (two) additional tow tugs, **Fram Prince** and **Carlo Martello** and 2 (two) unmanned cargo barges carrying jacket foundations and piles to be installed. The tow tugs will also transmit AIS messages.

A Statutory Safety Zone of 500m radius will be in place around the **HLV Thialf** during the installation of OSP foundations. The safety zones will be monitored by a guard vessel.

3. Installation progress

The table below presents the coordinates of the DBB WTG locations and gives an update on the progress of installation of various stages of construction. All locations referenced to WGS 84

ID	Structure	Latitude	Longitude	Filter layer installed	Foundation installed
A02	WTG	54° 53.65' N	001° 31.22' N		
B02	WTG	54° 53.84' N	001° 34.22' N		
B03	WTG	54° 55.4' N	001° 32.89' N		
B04	WTG	54° 56.96' N	001° 31.55' N		
C02	WTG	54° 54.03' N	001° 37.21' N		
C03	WTG	54° 55.59' N	001° 35.89' N		
C04	WTG	54° 57.15' N	001° 34.55' N		

Issue Date: 01st May 2023 LF600013-CST-DOG-NOT-0002 Weekly Notice of Operations – Rev 003

C05 WTG 54° 58.71' N 001° 33.2 D02 WTG 54° 54.21' N 001° 40.2 D03 WTC 54° 55.77' N 001° 40.2	2' N
	1' N
D03 WTG 54° 55.77' N 001° 38.8	9' N
D04 WTG 54° 57.33' N 001° 37.5	6' N
D05 WTG 54° 58.89' N 001° 36.2	3' N
D06 WTG 55° 00.45' N 001° 34.8	9' N
D07 WTG 55° 02.01' N 001° 33.5	6' N
E02 WTG 54° 54.40' N 001° 43.2	1' N
E03 WTG 54° 55.96' N 001° 41.8	9' N
E04 WTG 54° 57.52' N 001° 40.5	6' N
E06 WTG 55° 00.64' N 001° 37.9)' N
E07 WTG 55° 02.20' N 001° 36.5	7' N
F01 WTG 54° 53.02' N 001° 47.5	3' N
F02 WTG 54° 54.58' N 001° 46.2	1' N
F03 WTG 54° 56.14' N 001° 44.8	9' N
F04 WTG 54° 57.70' N 001° 43.5	6' N
F05 WTG 54° 59.26' N 001° 42.2	3' N
F06 WTG 55° 00.82' N 001° 40.9	1' N
F07 WTG 55° 02.38' N 001° 39.5	7' N
F08 WTG 55° 03.94' N 001° 38.2	4' N
G02 WTG 54° 54.76' N 001° 49.2	1' N
G03 WTG 54° 56.32' N 001° 47.8	9' N
G04 WTG 54° 57.88' N 001° 46.5	6' N
G05 WTG 54° 59.44' N 001° 45.2	4' N
G07 WTG 55° 02.57' N 001° 42.5	8' N
G08 WTG 55° 04.13' N 001° 41.2	5' N
H05 WTG 54° 59.62' N 001° 48.2	4' N
H06 WTG 55° 01.19' N 001° 46.9	2' N
H07 WTG 55° 02.75' N 001° 45.5	9' N
H08 WTG 55° 04.31' N 001° 44.2	6' N
J07 WTG 55° 02.93' N 001° 48.0	5' N
J08 WTG 55° 04.49' N 001° 47.2	7' N
P01 WTG 55° 05.97' N 001° 48.5	5' N
P02 WTG 55° 05.99' N 001° 51.0	7' N
P03 WTG 55° 05.22' N 001° 51.0	9' N
P04 WTG 55° 04.45' N 001° 51.1	1' N
P06 WTG 55° 02.91' N 001° 51.1	6' N

Issue Date: 01st May 2023 LF600013-CST-DOG-NOT-0002 Weekly Notice of Operations – Rev 003

P07	WTG	55° 02.14' N	001° 51.18' N
P08	WTG	55° 01.37' N	001° 51.2' N
P10	WTG	54° 59.83' N	001° 51.24' N
P11	WTG	54° 59.05' N	001° 51.27' N
P12	WTG	54° 58.28' N	001° 51.29' N
P13	WTG	54° 57.51' N	001° 51.31' N
P14	WTG	54° 56.74' N	001° 51.33' N
P15	WTG	54° 55.97' N	001° 51.35' N
P16	WTG	54° 55.20' N	001° 51.38' N
P17	WTG	54° 54.43' N	001° 51.40' N
P18	WTG	54° 53.66' N	001° 51.42' N
P19	WTG	54° 52.89' N	001° 51.44' N
P20	WTG	54° 52.12' N	001° 51.46' N
P21	WTG	54° 51.73' N	001° 50.30' N
P22	WTG	54° 51.78' N	001° 48.97' N
P23	WTG	54° 51.82' N	001° 47.63' N
P24	WTG	54° 51.86' N	001° 46.30' N
P25	WTG	54° 51.90' N	001° 44.96' N
P26	WTG	54° 51.94' N	001° 43.63' N
P27	WTG	54° 51.98' N	001° 42.29' N
P28	WTG	54° 52.02' N	001° 40.96' N
P29	WTG	54° 52.06' N	001° 39.62' N
P30	WTG	54° 52.10' N	001° 38.29' N
P31	WTG	54° 52.14' N	001° 36.95' N
P32	WTG	54° 52.18' N	001° 35.62' N
P33	WTG	54° 52.22' N	001° 34.28' N
P34	WTG	54° 52.26' N	001° 32.95' N
P35	WTG	54° 52.30' N	001° 31.61' N
P36	WTG	54° 52.34' N	001° 30.28' N
P37	WTG	54° 52.38' N	001° 28.94' N
P38	WTG	54° 53.15' N	001° 28.8' N
P39	WTG	54° 53.91' N	001° 28.92' N
P40	WTG	54° 54.68' N	001° 29.04' N
P41	WTG	54° 55.45' N	001° 29.16' N
P42	WTG	54° 56.22' N	001° 29.28' N
P43	WTG	54° 56.98' N	001° 29.39' N
P44	WTG	54° 57.75' N	001° 29.51' N

Issue Date: 01st May 2023 LF600013-CST-DOG-NOT-0002 Weekly Notice of Operations – Rev 003

P45	WTG	54° 58.52' N	001° 29.57' N		
P46	WTG	54° 59.29' N	001° 29.70' N		
P47	WTG	55° 00.06' N	001° 29.83' N		
P48	WTG	55° 00.83' N	001° 29.96' N		
P49	WTG	55° 01.59' N	001° 30.08' N		
P50	WTG	55° 02.36' N	001° 30.21' N		
P51	WTG	55° 03.13' N	001° 30.34' N		
P52	WTG	55° 03.89' N	001° 30.47' N		
P53	WTG	55° 04.41' N	001° 31.46' N		
P54	WTG	55° 04.51' N	001° 32.80' N		
P55	WTG	55° 04.67' N	001° 34.11' N		
P56	WTG	55° 04.91' N	001° 35.38' N		
P57	WTG	55° 05.16' N	001° 36.66' N		
P60	WTG	55° 05.88' N	001° 40.49' N		
OSP	OSP	54° 59.08' N	001° 39.23' N	13.02.2023	
G06	Spare	55° 01.00' N	001° 43.91' N		
P05	Spare	55° 03.68' N	001° 51.13' N		
P09	Spare	55° 00.60' N	001° 51.22' N		
P58	Spare	55° 05.40' N	001° 37.93' N		
P59	Spare	55° 05.65' N	001° 39.21' N		
P61	Spare	55° 05.90' N	001° 41.83' N		
P62	Spare	55° 05.91' N	001° 43.18' N		
P63	Spare	55° 05.93' N	001° 44.52' N		
P64	Spare	55° 05.94' N	001° 45.86' N		
P65	Spare	55° 05.95' N	001° 47.21' N		

4. General Safety Advice

All vessels engaged in construction activities will exhibit the appropriate lights and shapes, defined by the International Regulations for Preventing Collisions at Sea 1972, relative to their operations. Vessels will also transmit an Automatic Identification System (AIS) message.

Mariners are reminded to navigate with caution and keep continuous watch on VHF Ch. 70 / 16 when navigating the area.

Issue Date: 01st May 2023 LF600013-CST-DOG-NOT-0002 Weekly Notice of Operations – Rev 003

5. Safety Zones within the Dogger Bank Offshore Windfarm Construction Area

The Secretary of State for Business, Energy and Industrial Strategy (BEIS) has approved the use of safety zones under the Energy Act 2004 for the installation of wind turbines and offshore transformer module foundations/substructures within the Dogger Bank Offshore Windfarm.

The Secretary of State has declared safety zones under the following terms:

During Construction

 500 metres radius around each wind turbine, offshore transformer module and/or their substructures and foundations comprising the Dogger Bank Offshore Wind Farm whilst work is being performed as indicated by the presence of construction vessels.

(It is noted that the 500 metre safety zones will roll with the installation activity with no more than two construction vessels working at any one time. Vessels are advised that anchors associated with the construction vessels may extend outside of the 500 metre safety zone.)

 50 metres radius around each wind turbine, offshore transformer module and/or their substructure and foundations installed but waiting to be commissioned as part of the Dogger Bank Offshore Wind Farm.

Positions of foundations installed will be published in the current Weekly Notice of Operations. Only vessels associated with the Dogger Bank Offshore Wind Farm construction may enter statutory safety zones.

The guard vessel and Marine Coordination centre will be responsible for monitoring and policing the safety zones; and can be contacted directly for advice. The guard vessel will be on site 24/7 whilst safety zones are in place.

Further information on the application of safety zones can be obtained from the Marine Coordinator. Users are advised to keep clear of construction activities, including safety zones, within the Dogger Bank Offshore Windfarm construction area in line with Marine Guidance Note (MGN) 372.

ALL VESSELS ARE REQUESTED to give all construction and support vessels a wide berth.

MARINERS ARE REMINDED to navigate with caution and keep continued watch on VHF Ch. 70 / 16 when navigating the area

6. Fisheries Liaison

Fisheries liaison associated with the activity will be co-ordinated by Brown and May Marine Ltd. For any commercial fishery queries please contact:

Issue Date: 01st May 2023 LF600013-CST-DOG-NOT-0002 Weekly Notice of Operations – Rev 003

Alex Winrow-Giffin, Brown & May Marine Ltd Alex@brownmay.com Tel: 01379 870181 Mob: 07760 160039

Zoë Lawrence - Brown & May Marine Ltd <u>zoe@brownmay.com</u> Mob: 07923 138175

7. Distribution List

A central list of recipients is maintained by the Marine Coordinator. If you are not the appropriate recipient of these notices or do not wish to receive the notices in the future, please contact us at the address included in Section 1 of this notice.

8. Website

The official website of Dogger Bank Offshore Windfarm Limited can be found at:

Weekly documents Archive - Dogger Bank Wind Farm

This contains all Notices to Mariners (NtM) published by DBOWF and all Weekly Notices of Operations, together with a large amount of general information about the Project.

Details of NtM published by DBOWF can also be found on the Kingfisher Bulletin interactive chart at:

View all Notices (kingfisherbulletin.org)



Issue Date: 01st May 2023 LF600013-CST-DOG-NOT-0002 Weekly Notice of Operations – Rev 003

Vess	essels & Operators DOGGER BANK									
	Vessel Data Matrix DBB OWF WIND FARM									
No	Vessel Picture	Vessel Name / Flag	Type / Function	Operator	Contact / contact details	Call sign / MMSI / IMO	LOA (m) Beam (m) Draft (m)	Date on Site	Marine Licence applicable	
1		Jacobus GB	G uard Vessel	Van Laar Maritime	Lindsay Pein Van Laar Maritime B.V. Strandweg 7 1976 BS IJmuiden The Netherlands www.vanlaarmaritime.com Tel:+31 255 518449	MIVU7 / 232034467 / 9910284	37.5 x 8.7 x 4.4	03.08.2022	OF TO/Non-OF TO	
2		HLV Thialf PA	Heavy Lift Vessel	Heerema	F rederico Vettrici Offhore Wind M +39 340 780 9639 frederico.vettrici@saipem.com	3EAA4 / 353979000 / 8757740	201m x 88.4m x 11.9m to 31.6m	21.04.2023	OFTO	
3		Fram Prince & Saipem 44 cargo barge CY	Offshore Supply Vessel and cargo barge	Heerema	Frederico Vettrici Offhore Wind M +39 340 780 9639 frederico.vettrici@saipem.com	5BZ S5 / 210422000 / 9709049	84m x 19.4m / 6.5m to 7.6m Saipem 44 190m x 50m x 11.4m	21.04.2023	OFTO	
4		Carlo Martello & Wabenborg 11 cargo barge IT	Offshore Supply Vessel	Heerema	F rederico Vettrici Offhore Wind M +39 340 780 9639 frederico.vettrici@saipem.com	IBCO / 247266600 x 9442275	55.4m x 10.52m x 5.2m to 6.2m	21.04.2023	OFTO	
5		Bylgia NL	Offshore Supply Vessel	Heerema	F rederico Vettrici Offhore Wind M + 39 340 780 9639 frederico.vettrici@salpem.com	PBMQ / 244740210 / 9646314	72m x 18m x 7.4m	21.04.2023	OFTO	
6		NKT Victoria NO	cable Laying vessel	NKT	Helix Canyon Offshore (UK) Heix House Aberdeen, Kirkton Dr. Pitmedden Rd Dyce Aberdeen AB21 08G Office +44(0)1224.351800	3EVR8 / 370505000	127.75m x 25.0m x 7.5m	14/04/2023	OFTO	

Page | 11 Name and Registered Office: Dogger Bank Windfarm Limited. One Waterloo Street, Glasgow. G2 6AY



Issue Date: 01st May 2023 LF600013-CST-DOG-NOT-0002 Weekly Notice of Operations – Rev 003

7	Isle of Jura GB	Support Vessel	Caldive Ltd	Ross Smith - NKT Ross.smith@nkt.com Mob: 07999 030808 jura@sefastltd.co.uk +447713064672	MFFY6 / 232021966 / 9865697	33.2m x 14.5m	25.03.2023	OFTO
8	Duke of Normandy GB	Tug	NKT	Ross Smith - NKT Ross.smith@nkt.com Mob: 07999 030808 duke@ports.je	MHZ S8 / 235026811 / 9348429	26m x 9m x 2.5m	25.03.2023	OFTO
9	Abeko Server 3 NL	Dredger Barge	NKT	Ross Smith - NKT Ross.smith@n.kt.com Mob: 07999 030808 abekoserver3@abeko.nl	PHGA / 246532000 / 9252668	44m x 11.38m x 3.0m	25.03.2023	OFTO
10	Seafast Don GB	Survey Vessel	NKT	Ross Smith - NKT Ross.smith@nkt.com Mob: 07999 030808 don@seafastItd.co.uk	MMMD6 / 232044406	22m x 8m x 1m	25.03.2023	OFTO
11	Celtic Mara GB	Crew Transfer Vessel	NKT	Ross Smith - NKT Ross.smith@nkt.com Mob: 07999 030808 Vs1 mob: 07464 014090	2GLP3 / 235098447	11m x 3.4m x 0.8m	15.04.2023	OFTO
12	GV Adventure GB	Export Cable GV	NKT	Marjon Ackerman NKT Guard Vessel Coordinator M: +31 6 51678418 E: marjon.ackerman@nkt.com Vsl Mob: +44 1803410203 gvadventure3@gmail.com	2IFE 4/235109237 /7332452	24m x 6m x 3m	15.04.2023	OFTO
13	GV Devotion GB	Export Cable GV	NKT	Marjon Ackerman NKT Guard Vessel Coordinator M: +31 6 51678418 E: marjon.ackerman@nkt.com Vs I Mob: +44 14 8245 5873 gvdevotion@gmail.com	MRVQ7 / 235002330 / 8772829	22m x 7m x 4m	15.04.2023	OFTO

Page | 11 Name and Registered Office: Dogger Bank Windfarm Limited. One Waterloo Street, Glasgow. G2 6AY



Issue Date: 01st May 2023 LF600013-CST-DOG-NOT-0002 Weekly Notice of Operations – Rev 003

14	GV Jacoba GB	Export Cable GV	NKT	Marjon Ackerman NKT Guard Vess el Coordinator M: +31 6 51678418 E: marjon.ackerman@nkt.com VsI Mob: +44 14 7292 8301 gvjacoba@gmail.com	GC VA / 235002165 / 6810952	25m x 7m x 3.2m	17.04.2023	OFTO
15	GV Resolute GB	Export Cable GV	NKT	Marjon Ackerman NKT Guard Vess el Coordinator M: +31 6 51678418 E: marjon.ackerman@nkt.com VsI Mob: +44 2841 180 003 gvRESOLUTE@gmail.com	MBND5 / 235069036 / 7008025	24m x 8m x 3.5m	17.04.2023	OFTO
16	GV Resolution GB	Export Cable GV	NKT	Marjon Ackerman NKT Guard Vess el Coordinator M: +31 6 51678418 E: marjon.ackerman@nkt.com Vs1 Mob: +44 1947 660 301 gvres olution@gmail.com	MBCZ5 / 235002260 / 8214334	18m x 6m x 3.6m	17.04.2023	OFTO
17	GV Resplendent GB	Export Cable GV	NKT	Marjon Ackerman NKT Guard Vessel Coordinator M: +31 6 51678418 E: marjon.ackerman@nkt.com VsI Mob: +44 14 8245 5873 gvresplendent@gmail.com	MJUJ2 / 235018597 / 8825341	25m x 6m x 3.2m	17.04.2023	OFTO
18	GV Diligent GB	Export Cable GV	NKT	Marjon Ackerman NKT Guard Vessel Coordinator M: +31 6 51678418 E: marjon.ackerman@nkt.com VsI Mob: +44 28 4024 3001 gvdiligent@gmail.com	MJZK7 / 232009	25m x 6m x 3.3m	17.04.2023	OFTO