

Date	Mode	Purpose	Description	Typical DoB (detection range)	Product	Location	Vehicle Type	Vehicle
Q2 2018	Active	Investigation	Phase 1 Dock Trials Q2 2018	3m	HVAC Interarray Cable	Blyth	Test Frame	Test Frame
Q4 2018	Active	Investigation	Phase 2 Dock Trials Q4 2018	3m	HVAC Interarray Cable	Blyth	Test Frame	Test Frame
Q3 2019	Active	Investigation	Sunderland Dock Trials	0m	N/A	Sunderland	AUV	Saab Sabretooth
Q4 2019	Active	Survey	First offshore ROV Trials on DC Bundle in Channel.	2m	HVDC Bundle Interconnector	Straight of Dover	WROV	Tritan XLS
Q1 2020	Active	Investigation	ROV Trial – - Investigate Altitude Effects: Aim was to understand the affect on the direct path from changes in depth and altitude.	0m	N/A	Belgium	WROV	Shilling UHD
Q1 2020	Active	Trencher Tracking	Returned to the test cable (200m) to perform trencher trials utilising Artemis for tracking during burial. Cable initially on seabed, then tracking during first pass and second pass, up to 1.5m.	1.5m	HVAC Export Cable	Belgium	Jet Trencher	CBT 1100
Q2 2020	Passive	Survey	HAUV Survey of 50 Hz live cable on Gywnt y Mor	2m	HVAC Interarray Cable	Gywnt y Mor	AUV	
Q3 2020	Active	Investigation	The purpose of this trial was to perform a characterisation of the magnetic field to improve the model and account for seabed distortion. The DoB of the cable was known from previous data to be 2m.	2m (4m)	HVDC Export Cable	Dan Tysk, Germany	WROV	Tritan XLS
Q1 2021	Active	Survey	ROV trial on Umbilical and Pipeline. Both insulated/water blocked, known as stealth products and typically very difficult to track.	0m (1-2m)	Insulated Umbilical Insulated 8" Pipeline	Neptune	WROV	Tritan XLS
Q3 2021	Active	Survey	Jan De Nul had a need to survey an export cable from the beach to 2.5km out, and the preference was not to interrupt power generation. However, to use Active tracking, the magnetic field needed to be characterised in shallow water. It is known that the boundary between seawater and air distorts the magnetic field, and this needed to be characterised, taking measurements at various water depths. This was done pulling a sled with the active system installed, using a workboat.	3m	HVAC Export Cable	Luchterduinen, Netherlands	Sled	Sled

Q3 2021	Passive	Survey	Sled and Beach survey on 50Hz cable in shallow water: Whilst performing the characterisation, the survey data of the Live cable was simultaneously collected to provide an accurate DoB and position	2m	HVAC Export Cable	Luchterduinen, Netherlands	Sled	Sled
Q3 2021	Active	Survey	Trial on a test section of Interarray cable on seabed then trenched to 1.5m, as part of a trencher trial.	1.5m (3m)	HVAC Interarray Cable	NNG, Scotland	WROV	Shilling UHD
Q4 2021	Passive	Trencher Tracking	Trencher Tracking for reburial in Shallow water/Intertidal zone. Did not want to disconnect power to apply tone. Preference to use Artemis Live for tracking of the cable for reburial	3m	HVAC Export Cable	Luchterduinen, Netherlands	Jet Trencher	Sunfish
Q2 2022	Active	Survey	WROV survey to trial the Active mode on test section of power cable. Cable initially dead, then a tone applied and survey repeated with TSS 350.	1.5m (2.5-3m)	HVAC Interarray Cable	Arcadis, German Baltic Sea	WROV	FCV3000
Q3 2022	Passive	Tracking	Tracking of live export cable during reburial in shallow water	2m	HVAC Export Cable	Taiwan	Jet Trencher	Deep Digit
Q3 2022	Passive	Survey	Post burial survey of export power cable	3m	HVAC Export Cable	Taiwan	Jet Trencher	Deep Digit
Q3 2022	Passive	Tracking	Tracking of Armoured Power cable during reburial works	0m	HVAC Interarray Cable	China	Jet Trencher	SWT
Q4 2022	Passive	Tracking	Tracking of Toned Insulated umbilical on Zohr Gas field 2 passes - Installed on Saipem Trencher	1m	Insulated Umbilical	Zohr, Egypt	Jet Trencher	EWJTo1
Q4 2022	Passive	Survey	Post burial survey of toned insulated umbilical	2m	Insulated Umbilical	Zohr, Egypt	WROV	Reach - Kystdesign
Q1 2023	Active	Survey	Survey of multiple crossings for cable route	1-3m	Pipeline	North Sea	WROV	Reach - Kystdesign
Q2 2023	Passive	Toned	Survey nearshore over sandbank	6m	HV export cable	Taiwan	MultiCat	Coastal Crown
Q4 2023	Active	Survey	Survey of pre and post buried interarray cables	1m (1-3m)	HVAC Interarray Cable	North Sea	WROV	Shilling UHD



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