

LOUIS DREYFUS TRAVOCEAN OVERALL TRACK-RECORD

Year	Project	Location (Client)	Description	Max Depth (m)	Vessel	Type (*)	Length (km)	Burial data		
								Depth (m)	Length (km)	Machine
2021	Saint Nazaire OWF	Saint Nazaire Parc Du Banc De Guérande (PBG) – on-going	EPCI contract for the Saint-Nazaire OWF Inter-array Cables Procurement, Installation and protection	30	DP Vessel	L B	20	-	-	IAC protection using Cast Iron Pipes
2021	HORNSEA 2 TM05 & ROVJET1612 PLIBo	Hornsea 2 OWF UK waters (Seaway 7) – On-going	Post Lay Burial of IAC	50	DP Vessel	B	244	1.5	244	TM05 (trenching) ROVJET1612 (Jetting)
2021	YUNLIN OWF ROVJET1206 PLIBo	YUNLIN OWF Taiwan (Seaway 7)	Post Lay Burial of IAC	50	DP Vessel	B	14	1.5	14	ROVJET1206 (Jetting)
2021	AMITIE	La Grigne (France) (Alcatel-Lucent Submarine Networks Ltd)	Separate shore ends in La Grigne .HDD Pulling, Laying and burial of 2.3 km of fibre optic cable.	15	Barge	L B SE	2.3	2.0	21.17	MFE (Mass Flow Excavation)
2021	EAUFON	Chisasibi (Québec) (Alcatel-Lucent Submarine Networks Ltd)	Separate shore ends in Chisasibi river. Laying and burial of 19 km of fibre optic cable. Installation of articulated pipes .	15	DP pontoon	L B SE	19	1	2.2	TO MOBILE NV (jetting)
2020	UXO IBERDROLA	Saint Bieuc Offshore Windfarm (France) (Ailes Marines/Iberdrola)	In partnership with UXO Control. Offshore campaign to identify and eliminate unexposed ammunition (UXO) on the site of the Saint Brieuc wind farm.	-	DP Vessel	-	-	-	-	N.A.
2020	TANNAT MALBEC	Argentina (Alcatel-Lucent Submarine Networks Ltd)	2 separate shore ends in Las Toninas. Laying and burial of 2x7 km of fibre optic cable. Installation of articulated pipes .	15	DP Vessel	L B SE	14	1.5	14	ROVJET404 (jetting)
2020	HAVHINGSTEN	Blackpool (UK) / Houstrup (Denmark) (Alcatel-Lucent Submarine Networks Ltd)	3 separate shore ends. 25 km (in total) cable installation with laying and burial. HDD pulling. Installation of articulated pipes in Blackpool.	15	DP Vessel	L B SE	25	Up to 2	25	TO MOBILE NV (jetting)
2020	SVERDRUP 2	Norway (Alcatel-Lucent Submarine Networks Ltd)	Post lay burial of sismic cable (FO) - Johan Sverdrup field / Equinor.	100	DP Vessel	B	425	1	425	ROVJET1206 (jetting)
2020	HORNSEA 2 TM05 Trials	Hornsea 2 Offshore Wind Farm - North Sea (Seaway 7)	Provision of Offshore Burial Trials of the new TM05 diverless LDTVO's trencher fitted both with cutting wheel and digging chain.	50	DP Vessel	B	-	1.7	-	TM05 (trenching)
2020	DUNANT	Saint Hilaire de Riez (France) (Subcom)	Pre lay shore end. 5 km cable installation with laying and burial. Installation of articulated pipes.	15	DP Vessel	L B SE	5	1	4.8	TO MOBILE NV (jetting)

LOUIS DREYFUS TRAVOCEAN OVERALL TRACK-RECORD

Year	Project	Location (Client)	Description	Max Depth (m)	Vessel	Type (*)	Length (km)	Burial data		
								Depth (m)	Length (km)	Machine
2019	SVERDRUP	Norway (Alcatel-Lucent Submarine Networks Ltd)	Post lay burial of sismic cable (FO) - Johan Sverdrup field / Equinor.	100	DP Vessel	B	199	1	199	ROVJET1206 (jetting)
2019	SAFANIYA 6	Saudi Arabia (McDermott Arabia Company Ltd)	Provision of personnel and equipment to carry out the burial of 11 submarine cables, umbilicals and flexibles.	7.5	Barge	B	18.6	1	18.6	TM03 (trenching)
2018	INDIGO	Indonesia (Optic Marine Services International Ltd)	Post lay inspection and burial of 39 km of fibre optic cable.	100	DP Vessel	B PLIB	39	1.5	39	ROVJET605 (jetting)
2018	ASC Indonesia	Indonesia (Optic Marine Services International Ltd)	Post lay inspection and burial of 41 km of fibre optic cable.	100	DP Vessel	B PLIB	41	1.5	41	ROVJET605 (jetting)
2018	TRIANEL BORKUM II OWF	Trianel Borkum II Offshore Windfarm - German waters (SOC)	Provision of personnel and equipment to carry out the post lay burial of 18 infield power cables.	33	DP Vessel	B PLIB	27	1.7	27	ROVJET1210 (jetting)
2018	ASC PERTH	Australia (AlcatelAlcatel-Lucent Submarine Networks Ltd)	Separate shore end. 10 km cable installation with laying and burial. Installation of articulated pipes.	25	Barge	L B SE	10	1	10	TO MOBILE NV (jetting)
2018	IFA 2000 REPAIR	IFA 2000 link - Sangatte (France) (NATIONAL GRID)	Repair of 2 IFA 2000 power cables on the beach at Sangatte.	1	Jackup barges	R	0.6	1.5	0.6	ROVJET605 (jetting) + Mass flow
2018	MERKUR OWF	Merkur Offshore Windfarm - German waters (SOC)	Provision of personnel and equipment to carry out the post lay burial of 57 infield power cables.	30	DP Vessel	B PLIB	59	1.5	59	ROVJET1210 (jetting)
2017	BEATRICE OWF	Beatrice Offshore Windfarm - North Sea (SOC)	Provision of personnel and equipment to carry out the post lay burial of 56 infield power cables.	55	DP Vessel	B PLIB	93	0.8	93	ROVJET1210 (jetting)
2017	SAFANIYA 5	Saudi Arabia (McDermott Arabia Company Ltd)	Provision of personnel and equipment to carry out the burial of five 15 kV power cables.	15	Barge	B	22	1	22	TM03 (trenching)
2017	LTAII	Saudi Arabia (McDermott Arabia Company Ltd)	Provision of personnel and equipment to carry out the burial of one 115 kV and nine 15kV power cables.	6	Barge	B SE	31	1	31	TM03 + TM04 (trenching)
2017	QUINTILLION ALASKA	Prudhoe Bay / Alaska (Alcatel Lucent)	Separate Shore end. Laying and burial of 1 FO cable.	15	Barge	L B SE	16	2	16	ESV12 (Plough)

LOUIS DREYFUS TRAVOCEAN OVERALL TRACK-RECORD

Year	Project	Location (Client)	Description	Max Depth (m)	Vessel	Type (*)	Length (km)	Burial data		
								Depth (m)	Length (km)	Machine
2017	IFA 2000 REPAIR	IFA 2000 link - France to England Channel (RTE)	Repair of 4 IFA 2000 power cables .	25	DP Vessels	R	-	0.6	-	MED1 (Dredge pump) + ROVJET806 (jetting)
2016	VEJA MATE	Veja Mate Windfarm/ German waters (SOC)	Provision of personnel and equipment to carry out the post lay burial of 73 infield power cables.	40	DP Vessel	B PLIB	87	1.5	87	Rovjet810 (jetting)
2016	NORDSEE ONE	Nordsee One Windfarm/ German waters (SOC)	Provision of personnel and equipment to carry out the post lay burial of 54 infield power cables.	29	DP Vessel	B PLIB	62	1.5	62	Rovjet810 (jetting)
2016	AL NASR QAFFAY	UAE (Al Nasr Contracting Company L.L.C)	Lay and burial of 40 km of 33kV power cable between Silah and Qaffay Island.	10	Barge	L B SE	40	1.3	40	TM04 (trenching)
2016	MARJAN GOSP	Saudi Arabia (McDermott Arabia Company Ltd)	Provision of personnel and equipment to carry out the burial of one 115 kV power cable.	30	Barge	B	31	1	31	TM03 (trenching)
2016	FITZROY Darwin	North Australia (Alcatel Lucent)	Separate Shore end. Laying and burial of 1 FO cable. Installation of articulated pipes.	21	Barge	L B SE	3	2	3	TO MOBILE (jetting)
2016	BBG FUJAIRAH	Fujairah-UAE (Alcatel Lucent)	1 direct FO shore-end in Fujairah (UAE). Protection of FO cable (burial and articulated pipes).	15	-	PLIB SE	2.2	2	2.2	EBJ (jetting)
2015	SEA LION ROSTOCK	Germany- Danemark (Alcatel Lucent)	1 shore end (Germany) : laying and burial of FO cable + installation of articulated pipes. Laying and burial of the same cable offshore (Denmark), in low water depths.	15	DP Vessel	L B SE	17.9	1	17.9	ROVJET404 + EBJ (jetting)
2015	FITZROY Port Hedland	North West Australia (Alcatel Lucent)	Separate Shore ends. Simultaneous laying and burial of 2 FO cables (both in the same trench) + surface lay with a 5 m separation between both cables + installation of articulated pipes.	17	Barge	L B SE	44	0.5	18.9	TM04 (trencher) + EBJ (jetting)
2015	MANIFA	Saudi Arabia (Mermaid Subsea Services LLc)	Provision of personnel and equipment to carry out the trenching of 3 x 15 kV power cables and 2 FO cables.	15	Barge	B	42	1.3	42	TM03 (trencher)
2015	ILE D'YEU	France (ERDF)	Surface lay of 2 portions of cables YEU3 and YEU4, 2km from the shore, between St Jean de Monts and Ile d'Yeu (France).	10	-	L	4.8	-	-	N.A.
2015	ABU ALI	Saudi Arabia (Mc Dermott Arabia Company Ltd)	Provision of personnel and equipment to carry out the trenching of 2 x 230 kV cables from Abu Ali Island to Khursaniyah fields shore.	11	Barge	B	12	1.3	12	TM03 (trencher)
2015	BALTIC 2	BALTIC 2 Windfarm / German Baltic Sea (SOC)	Provision of personnel and equipment to carry out the post lay burial of 75 infield power cables.	45	DP Vessel	B PLIB	61	2	61	Rovjet806 (jetting)

LOUIS DREYFUS TRAVOCEAN OVERALL TRACK-RECORD

Year	Project	Location (Client)	Description	Max Depth (m)	Vessel	Type (*)	Length (km)	Burial data		
								Depth (m)	Length (km)	Machine
2015	AMRUMBANK	AMRUMBANK Windfarm / North Sea (SOC)	Provision of personnel and equipment to carry out the post lay burial of 86 infield power cables.	24	DP Vessel	B PLIB	75	1.6	75	Rovjet810 (jetting)
2015	QUIBERON BELLE ILE 4	Quiberon and Belle Isle - Brittany (France) (ERDF)	Laying of a hybrid cable between Quiberon and Belle Isle.	25	DP Vessel	L SE	14.5	N.A.	-	N.A.
2015	WASIT	WASIT field (Saudi Arabia) (Subtech/ Saudi Aramco)	Provision of personnel and equipment to carry out the post lay trenching of a 15 kV power composite cable.	35	Barge	B PLIB	9.2	0.6 to 1.1	9.2	TM04 (trenching)
2014	BUTENDIEK	BUTENDIEK Offshore Windfarm / German North Sea (VBMS)	Provision of personnel and equipment to carry out the post lay burial of 86 infield power cables.	22	DP Vessel	B PLIB	81	1	81	ROVJET806 (jetting)
2014	WINTERSHALL	Dutch sector of North Sea (VBMS)	Provision of personnel and equipment to carry out the post lay burial of 1 umbilical between 2 offshore platforms.	30	DP Vessel	B PLIB	19	1	19	ROVJET806 (jetting)
2014	SAFANIYA 2	SAFANIYA 2 oild field (Saudi Arabia) (Mc Dermott / Saudi Aramco)	Provision of personnel and equipment to carry out the trenching of a 115 kV power composite cable in shallow water.	7.5	Barge	B SE	7.4	1	7.4	TM03 (trenching)
2014	EMF Trials in situ	Fécamp, Courseulles, Saint Nazaire - France (EMF)	Performance of trenching trials on the 3 sites of Fécamp, Courseulles and Saint-Nazaire as part of the preparation of the call for tenders for the construction works of the french offshore windfarms.	30	DP Vessel	B	4	1	4	ROVJET806 (jetting) + TM03 (trencher / vibrating plough)
2014	PERENCO RDC Congo	Democratic Republic of the Congo - Congo (Perenco)	Laying of 43 km of power cable between mainland / platforms and platforms. Post lay burial of 22.5 km of cable. I-tube and J- tube pulling.	100	Barge	L B PLIB SE	43	1	22.5	ROVJET806 + EBJ (jetting)
2014	GEOCEAN Bénin	Benin (Geocean)	Laying of 14km of power cable between mainland and a platform. Burial in shallow water from 8m to the beach. Installation of articulated pipes.	26	Barge	L SE	14	1.5	0.6	EBJ (jetting)
2013	AMX COLOMBIA	Barranquilla / Cartagena (Alcatel Lucent)	2 separate shore ends at Cartagena and Barranquilla + Installation of mattresses.	14	Barge	L B SE	15	1	15	EBJ (jetting)
2013	ANHOLT	ANHOLT Offshore Windfarm / Kattegat Sea (Danemark) (VSMC/Dong)	Post Lay Inspection and Burial of 111 infield power cables.	20	DP vessel	B PLIB	141	1.5	142	ROVJET806 (jetting)
2013	LONDON ARRAY	LONDON ARRAY Offshore Windfarm / Thames Estuary (UK) (VSMC)	Provision of personnel and equipment to carry out the post lay burial of 54 infield cables, some in very shallow water.	25	Barge	B PLIB	55	1.5	55	ROVJET605 (jetting)

LOUIS DREYFUS TRAVOCEAN OVERALL TRACK-RECORD

Year	Project	Location (Client)	Description	Max Depth (m)	Vessel	Type (*)	Length (km)	Burial data		
								Depth (m)	Length (km)	Machine
2013	VISCAS SIR BANYAS	Sir Banyas Island (UAE) (VISCAS)	Lay and burial of 2x13 km of 132kV power cable + 2x13km FO cable between Shuweihat and SIR BANIYAS (mainland to Island).	12	Barge	L B SE	52	1	39	TM04 (trencher)
2012	CAT Thailand	Sri Racha and Songkhla / Gulf of Thailand (Alcatel Lucent)	2 separate pre-laid shore ends at Sri Racha and Songkhla + Installation of articulated pipes.	28	Barge	L B SE	27	2	27	EBJ 04 + ESV12 (jetting)
2012	THORNTON BANK WINDFARM	Thornton Bank Windfarm, Ostende (Belgium) (VSMC / C-Power)	Post lay burial of the export power cable of the Thornton Bank Offshore Windfarm.	26	DP vessel + Barge	B SE	36	1.5m	36	ROVJET605 (jetting) + ROVJET806 (jetting)
2012	PAIMPOL BREHAT	English Channel / PAIMPOL (France) (EDF)	Main DC power cable installation between mainland and 15 km offshore as part of EDF's tidal generation project. Simultaneous protection : burial (4km) / Articulated pipes (11 km).	40	Barge	L B SE	15.3	1	4	TM03 (trencher)
2011	WALNEY 2 WINDFARM	Walney Offshore Windfarm – Irish Sea (VSMC-Dong)	Post Lay Inspection and Burial of 51 infield power cables.	28	DP Vessel	B PLIB	50	2	50	ROVJET605 (jetting)
2011	ORMONDE WINDFARM	Ormonde Offshore Windfarm – Irish Sea (VSMC-ORMONDE ENERGY)	Post Lay Inspection and Burial of 32 infield power cables.	21	DP Vessel	B PLIB	20	2	20	ROVJET605 (jetting)
2011	WALNEY 1 WINDFARM	Walney Offshore Windfarm – Irish Sea (VSMC-Dong)	Post Lay Inspection and Burial of 51 infield power cables.	20	DP Vessel	B PLIB	40	2	40	ROVJET605 (jetting)
2011	DELMA REPAIR	Delma Island (UAE) (Nexans)	Provision of submarine power cable repair assistance. Post burial of cable / Installation of Uraducts.	6	Barge	R B	-	1	0.09	Dredge pump (with divers)
2011	ACE	Senegal (Alcatel Lucent)	2 direct FO shore-ends in Dakar (Senegal). Protection of cable (burial, articulated pipes, grout bags).	15	-	L B SE	1.85	1 to 2	1.85	EBJ (jetting)
2011	WACS	Congo-Angola (Alcatel Lucent)	2 separate FO shore-ends in Muanda (Congo Kinshasa) and Matombi (Congo Brazzaville) + 1 direct FO shore-end in Cabo Ledo (Angola). Installation of mattresses with ROS.	20	DP2 Barge	L B SE	38	1	40	TJV05 + EBJ (jetting) + ROS (mattresses)
2011	KASHAGAN	Kashagan oil field - Kazakhstan (Sonsub for SAIPEM)	Provision of burial services for 4 power and FO cables and 6 umbilicals.	4	Barge	L B	41	2	34	TM03 (Trencher)

LOUIS DREYFUS TRAVOCEAN OVERALL TRACK-RECORD

Year	Project	Location (Client)	Description	Max Depth (m)	Vessel	Type (*)	Length (km)	Burial data		
								Depth (m)	Length (km)	Machine
2010	HONOTUA - TAHITI	Bora Bora, Huaihina, Raiatea, Moorea, Papenoo (Alcatel Submarine Networks)	FO cable shore ends, PLIB and installation of articulated pipes.	30	Barge	B PLIB SE	3	0.2	0.2	Dredge pump (with divers)
2010	MANIFA	Manifa oil field (Valentine Maritime Saudi Ltd)	Provision of technical and engineering services / Cable laying and trenching services.	11	Barge	L B	29.2	1	13.2	TM04 (Trencher)
2009	KASHAGAN	Kashagan oil field - Kazakhstan (Sonsub for SAIPEM)	Provision of burial services for 1 power cable and 2 umbilicals.	6	Barge	L B	18	2	18	TM03 (Trencher)
2009	IMEWE - TEN - EIG - MENA	Alexandria & Suez (Egypt) - Tripoli (Lebabon) - Marseille (France) - Jeddah (Saudi Arabia) - Monaco (ASN)	FO cable shore ends, PLIB and installation of articulated pipes.		Barge	B PLIB SE	11.7	2	3.5	TO Mobile
2008	PERENCO RDC	Democratic Republic of the Congo (Perenco)	Cable laying and burial between mainland and platforms. Barge operating for pipe laying + special liftings + J-tube pull-in.	12	Barge	L B SE	57	0.8	22	EBJ 04 (jetting)
2008	PERENCO CAMEROON	Cameroon (Perenco)	Barge operating for pipe laying.	35	Barge	L	8.6	-	-	N.A.
2008	TAURT FIELD	Egypt (Five Oceans Services - BP)	PLIB works on umbilical.	110	DP Vessel	B PLIB	64	1.5	64	ROVJET401 (Jetting)
2008	KASHAGAN	Kashagan oil field - Kazakhstan (Sonsub for SAIPEM)	Fibre optic cable laying and burial between Island D and Atyrau (Kazakhstan).	4	Barge	L B SE	85	2	85.1	TM03 (Trencher) + ESV12 (Plough)
2008	DELMA	Delma Island (UAE) (Nexans Norway)	Post trenching of 2 power cables between Shuwaihat (mainland) and Delma Island. Installation of articulated pipes.	35	Barge	B SE	85	1	84.7	TM04 (Trencher)
2007	ATLAS OFFSHORE	Asilah - Morocco (Alcatel Lucent)	FO cable shore ends - Post lay burial.	20	Pontoon	B SE	1.7	2	1.7	EBJ 04 (jetting)
2007	PICOT / GONDWANA	New Caledonia / Australia (Alcatel Lucent)	FO cable shore ends - Articulated pipes and clamps installation.	20	Inflatable / works craft	SE	3	-	-	N.A.
2006	JAKASUSI	Java Sea (Alcatel Submarine Networks)	FO cable shore ends.	15	Pontoon	L B SE	33.2	1	33.2	EBJ 04 (jetting)
2006	THAILAND KHO SAMUI	Gulf of Thailand (Nexans Norway)	Mainland to island / 115 Kv.	28	Barge	L B SE	24	1.5	24	TJV05 + TJV08 (Jetting)

LOUIS DREYFUS TRAVOCEAN OVERALL TRACK-RECORD

Year	Project	Location (Client)	Description	Max Depth (m)	Vessel	Type (*)	Length (km)	Burial data		
								Depth (m)	Length (km)	Machine
2005	SEA-ME-WE 4	Mediterranean Sea (Alcatel Submarine Networks)	SEA-ME-WE 4 direct shore ends (FO).	12	Pontoon	B SE	3	0.8 to 2	3	Dredge pump (with divers)
2005	PERENCO Gabon	Gabon / South of Port-Gentil (Perenco France)	Mainland to platforms. Surface lay + J-tube Pull-In.	30	DP Vessel	L SE	72	-	-	N.A.
2005	FALCON	Dubaï -Qatar - Barhain - Iran - Saudi - Yemen (Alcatel Submarine Networks)	FALCON separate shore ends.	20	Barge	L B SE	228	1	228	TJV05 + EBJ03 (Jetting)
2005	ORASCOM MED CABLE	Mediterranean Sea (Alcatel Submarine Networks)	MED CABLE direct shore ends (FO).	12	Pontoon	B SE	3.8	0.8 to 1	3.8	TJV07 (Jetting)
2004	SIMIAN SAPHIRE	Golf of Alexandria - Egypt (Technip Offshore UK Ltd)	Provision of nearshore trenching services.	11	Barge	B PLIB	3	1.5	3	TJV06 (Jetting)
2004	SIR BANIYAS Power cable Installation	Sir Baniyas Island - UAE (Nexans Norway)	Lay and burial of 2x9 km of 33kV power cable between Jebel Dhanna and SIR BANIYAS (mainland to Island).	15	Barge	L B	18	1	18	TM03 (Trencher)
2003	IFA 2000 - CABLE 11 REPAIR	France to England Channel (RTE)	500 MW HVDC Power cable repair.	25	Barge	R B	0.6	0.6	0.6	MED1 (Dredge pump)
2003	ILE D'YEU	France - Ile d'Yeu /Saint Jean de Monts (Nexans)	Mainland to island / 20 kV power cable.	8	Barge	L SE	18	-	-	N.A.
2003	AL KHAFJI	Saudi Arabia - AL KHAFJI oil field (Mc Dermott)	Mainland to platform / 40 kV power cable.	32	DP Vessel	L B SE	40	1.8	40	TM03 (Trencher)
2002	FLAG SOUTH PLIB	French Brittany coasts / FLAG Atlantic 1 South segment (Alcatel Submarine Networks)	PLIB works on telecommunication fibre optic cable.	60	DP Vessel	PLIB	11.2	1	11.2	MED1 (Dredge pump)
2001	CROSSING TAT 14	English Channel / TAT 14 FO cable system (KDD - SCS)	PLIB works on telecommunication fibre optic cable crossings with EDF / NGC power cables.	35	DP Vessel	B	4.3	0.38	4.3	MED1 (Dredge pump)
2001	ULYSSE	English Channel / ULYSSES 1 South FO Cable (MCI WorldCom)	Recover of existing cable (5 km), simultaneous lay and burial work (ESV12), PLIB work of joints (MED 1 and diver pump).	35	Barge	L R B PLIB	5.1	2	5	MED1 (Dredge pump) + ESV12 (Plough)
2001	ANTARES	France / La Seyne-Sur-Mer (Alcatel Submarine Networks)	Cable lay between LA SEYNE SUR MER and the Neutrinos Telescope ANTARES (max. depth 2400 m).	2400	DP Vessel	L	41.5	-	-	N.A.

LOUIS DREYFUS TRAVOCEAN OVERALL TRACK-RECORD

Year	Project	Location (Client)	Description	Max Depth (m)	Vessel	Type (*)	Length (km)	Burial data		
								Depth (m)	Length (km)	Machine
2001	APOLLO UK SHORE END	English Channel / APOLLO Transatlantic cable system (Alcatel Submarine Networks)	Cable lay and burial BUDE shore end (UK).	14	Vessel	L B SE	1.29	1	1.3	TJV04 (Jetting)
2001	I 2 I / Shore end MADRAS	India / Madras i2i cable (Alcatel Submarine Networks)	Cable lay and burial - 8 km CHENNAI shore end.	23	Vessel	L B SE	8	1	8	TJV05 + TJV04 (Jetting) + ESV07 (Plough)
2001	SAT 3	Cameroon and Gabon / SAT 3 WASC (Alcatel Submarine Networks)	Telecommunication cable lay and burial - DOUALA and LIBREVILLE shore ends.	20	Barge	L B SE	79	2	56	TJV05 + TJV04 (Jetting) + ESV12 (Plough)
2000	DUMPTON GAP - LEVEL 3	English Channel / Offshore DUMPTON GAP LEVEL 3 FO cable system (Alcatel Submarine Networks)	Remedial work : Lay and simultaneous burial of fibre optic cable.	25	Barge	B PLIB	5.4	1.2	5.2	ESV11 (Plough)
2000	FLUTE	English Channel / North Sea FLUTE FO cable system (Alcatel Submarine Networks)	Remedial work on telecommunication fibre optic cable crossing.	30	DP Vessel	B PLIB	1.3	0.8	1.3	MED1 (Dredge pump)
2000	LEVEL 3	English Channel / North Sea LEVEL 3 FO cable system (Alcatel Submarine Networks)	PLIB work on telecommunication fibre optic cable crossing.	53	DP Vessel	B PLIB	5.3	0.8	5.3	MED1 (Dredge pump)
2000	PEC	English Channel / North Sea PEC FO cable system (Alcatel Submarine Networks)	PLIB work on telecommunication fibre optic cable crossing.	56	DP Vessel	B PLIB	7.2	0.8	7.2	MED1 (Dredge pump)
2000	FLAG ATLANTIC 1	Cornwall and French Brittany coasts / FLAG Atlantic 1 Interlink & South segment (Alcatel Submarine Networks)	3 separate shore end installations as part of the FLAG Atlantic 1 telecommunication cable system.	55	Barge	L B SE	53.5	1.4 / 3	52.9	MED1 (Jetting) + ESV11 (Plough)
2000	VNF LILLE	France / Lille (Telecom Operators / LD COM Networks)	Along river - canal / 1 telecommunication fibre optic cable.	10	River barge	B	3.2	0.7	3.2	Plough
1999	CSOL ELGIN FRANKLIN	North Sea / Elgin - Franklin Shearwater Fields (Elf Exploration UK / Coflexip Stena Offshore)	Platform to platform / Composite power and communication cable + 1 composite power / communication cable + 1 umbilical.	92	DP Vessel	B	23.1	0.75 to 0.9	23.1	CASTOR 2 (Trencher)

LOUIS DREYFUS TRAVOCEAN OVERALL TRACK-RECORD

Year	Project	Location (Client)	Description	Max Depth (m)	Vessel	Type (*)	Length (km)	Burial data		
								Depth (m)	Length (km)	Machine
1999	VNF OISE	France / Conflans - Compiègne - Oise River (MCI WorldCom / LD COM Networks)	Along river / 3 multiple fibre optic cables laid in one go in OISE river and using 2 spreads.	15	River barge	L B	80	0.75	80	ESV07 (Plough)
1999	VNF MARNE	France / Marne River (Viatic / Telia / LD COM Networks)	Along river / 3 multiple fibre optic cables laid in one go.	10	River barge	L B	100	0.75	100	ESV07 (Plough)
1999	VNF	France / Neuilly-Conflans Seine River (MCI WorldCom / LD COM Networks)	Along river / 3 multiple fibre optic cables laid in one go.	15	River barge	L B	45	0.75	45	ESV11 (Plough)
1999	CIRCE / BAIE DE SOMME	France / Cayeux-Sur-Mer (Alcatel Submarine Networks)	Cable deburial / reburial and cable loop burial on CIRCE fibre optic cable system.	22	Spud Barge	B	3.9	1.2	3.9	MED1 (Dredge pump) + CASTOR (Trencher)
1999		France / Toulon (Acatel Cable/ DCN)	Power and composite cables inside military harbour.	12	Inflatable / works craft	L	5.8	-	-	N.A.
1999	VNF STRASBOURG	France / Strasbourg (Viatic / LD COM Networks)	Along river - canal / 15 HDPE FO cable ducts laid (and buried) in one go.	10	Inflatable / works craft	L B	3	0.9	3	TJV04 (Jetting)
1999	VNF PARIS SEINE AMONT	France / Seine River (Telecom Operators / LD COM Networks)	Along river / Multiple simultaneous laying. 13 HDPE FO cable ducts laid (and buried) in one go.	15	River barge	L B	25.9	0.9	25.9	TM02 (Trencher)
1998	VNF SUD	France / Fos - Montpellier (MCI WorldCom / LD COM Networks)	Along river - canal / Dual fibre optic cable.	6.5	Spud Barge	L B	45	0.5	45	EBJ 02 (jetting)
1998		France / Paris Melun Seine River (MCI WorldCom / LD COM Networks)	Along river / 3 multiple fibre optic cables laid in one go.	15	Spud Barge	L B	58	0.75	58	ESV11 (Plough)
1998	VNF PARIS	France / Paris Seine River (LD COM Networks)	Along river / 1 telecommunication fibre optic cable.	15	River barge	L B	12	1.2	12	ESV11 (Plough)
1998		Sweden - Denmark (Alcatel Submarine Networks / Tele Danmark International)	Mainland to mainland / Fibre optic cable.	30	DP Vessel	L B	18	0.65	18	KOURA2 (Plough)

LOUIS DREYFUS TRAVOCEAN OVERALL TRACK-RECORD

Year	Project	Location (Client)	Description	Max Depth (m)	Vessel	Type (*)	Length (km)	Burial data		
								Depth (m)	Length (km)	Machine
1998	BELIZE	Belize / Bomba - Boca Chica (Alcatel / Belize Electricity)	Main land to island / 34.5 kV power extension.	3.3	Spud Barge	L B	19.5	1	9	TJV04 (Jetting)
1997		South Africa / MOSSGAS FA Field (Coflexip Stena Offshore)	Satellite well control umbilicals.	105		B	18.5	0.5	18.5	CASTOR 2 (Trencher)
1997		South Korea / Main land to Cheju Island (Alcatel Cable)	Main land to Island / HVDC power cable extension with piggy-backed fibre optic cable.	36		B	48	-	48	COPS (mattresses protection)
1996	THAILANDE	Thailand / Main land to Koh Samui (Alcatel / PEA)	Mainland to Island / 115 kV power cable.	26	Barge	L B	23.4	1.5	22.9	TM02 (Trencher) + TJV04 (Jetting)
1996	THAILANDE	Thaïlande / Koh Samui - Koh Phangan (Alcatel / PEA)	Island to Island / 33 kV power cable.	20	Barge	L B SE	14.6	1.5	13.5	TM02 (trencher) + TJV04 (Jetting)
1995		North Sea / K5 Field (Elf Petroland / Coflexip Stena Offshore)	Platform to platform / Insulated flexible flowline and Electro-hydraulic umbilical.	35		B	12.6	-	12.6	FLEXJET (Jetting)
1995		North Sea / TROLL Field (Norske Shell /Coflexip Stena Offshore)	Platform to shore / 4" OD rigid glycol pipeline.	300		B	62	-	62	FLEXJET (Jetting)
1995		North Sea / YME Field (Statoil / Coflexip Stena Offshore)	Flexible pipeline.			B	6.2	-	6.2	FLEXJET (Jetting)
1995		France / Brest (Alcatel Contracting)	Defence system Communication cable.	35	Barge	B	7	-	7	TM02 (Trencher)
1994		North Sea / L8 Field (Wintershall / Coflexip)	Platform to platform / Flexible pipeline.	30		B	14.5	-	14.5	FLEXJET (Jetting)
1994		North Sea / TORDIS Field (Saga Petroleum / Coflexip)	Satellite to platform / 12 short length satellite jumper umbilicals.	190		B	1.5	-	1.5	FLEXJET (Jetting)
1993		North Sea / LILLE FRIGG Field (Elf Norge / Coflexip)	Platform to platform / Subsea control umbilicals and electro-hydraulic bundles.	115		B	45.5	-	45.5	FLEXJET (Jetting)
1993		North Sea / TORDIS Field (Saga Petroleum / Coflexip)	Platform to platform / Methanol line+ umbilical bundle.	217		B	11.5	-	11.5	FLEXJET (Jetting)
1993		South Korea / Phase 1 (Alcatel Cable Contracting)	2 power cables + 1 Communication cable.	60		B	45	-	45	FLEXJET (Jetting)

LOUIS DREYFUS TRAVOCEAN OVERALL TRACK-RECORD

Year	Project	Location (Client)	Description	Max Depth (m)	Vessel	Type (*)	Length (km)	Burial data		
								Depth (m)	Length (km)	Machine
1993		South Korea / Phase 2 (Alcatel Cable Contracting)	2 power cables + 1 Communication cable.	50		B	30	-	30	FLEXJET (Jetting)
1993		South East Asia / THAILAND (STC Submarine Systems)	Domestic telecommunication system fibre optic cable.	30		B	1150	0.7	1150	KOURA2 (Plough)
1993	MORECAMBE BAY	United Kingdom (British Gas)	Power cable.	22		B	7	0.8 to 1.5	7	TM02 + TM09 (Trencher)
1992		South East Asia / Thailand (STC Submarine Systems)	Domestic telecommunication system fibre optic cable.	30		B	100	0.7	100	KOURA2 (Plough)
1990		South Pacific (Confidential)	Defence System Communication fibre optic cable.	80	Vessel	L B	7	-	7	KOURA (Plough)
1990	IFA 2000	France to England Channel (E.D.F. / N.G.C.)	500 MW HVDC Power cable (Simulation).	65	Barge	R	-	-	-	MED1 (Dredge pump)
1990	IFA 2000	France to England Channel (E.D.F. / N.G.C.)	500 MW HVDC Power cable pair.	65	Barge	B	1	-	1	MED1 (Dredge pump)
1988		Canada / St Laurent (HydroQuebec)	River crossing 3 x 15 kV.	70	Vessel	L	3.5	-	-	N.A.
1987		U.S.S.R. (Nokia)	Platform to platform / 3 power cables (3 x 35 kV).	100	Barge	L	3.5	-	-	N.A.
1986		Angola / Pacassa - PALANCA (Elf Angola)	Platform to platform / Power cable.	84	Barge + ROV assistance	L	14	-	-	N.A.
1986		Congo / SENDJI and TCHIBOUELA fields (Elf Congo)	Platform to platform / 2 power cables.	97	Barge + ROV assistance	L	28.7	-	-	N.A.
1986	IFA 2000 - Cable N route 4 Repair	France to England Channel (E.D.F.)	500 MW HVDC Power cable repair.	35	Barge	R	-	-	-	N.A.
1986	IFA 2000 - Cable S route 4 Repair	France to England Channel (E.D.F.)	500 MW HVDC Power cable repair.	25	Barge	R	-	-	-	N.A.
1986		United Arab Emirates / Total ABK (Total)	Platform to platform / Composite (Power cable + optical fibre).	43	Barge	L	1.2	-	-	N.A.

LOUIS DREYFUS TRAVOCEAN OVERALL TRACK-RECORD

Year	Project	Location (Client)	Description	Max Depth (m)	Vessel	Type (*)	Length (km)	Burial data		
								Depth (m)	Length (km)	Machine
1985	IFA 2000 Installation	France to England Channel (E.D.F.)	500 MW HVDC Power cables pair.	65		B	42	1.5	42	LIMULE (Trencher)
1984	IFA 2000 Installation	France to England Channel (E.D.F.)	500 MW HVDC Power cables pair.	65		B	42	1.5	42	LIMULE (Trencher)
1984		Cameroon / BAVO Field (Elf Serepca)	Power cable 20 kV.	10	Barge	R	-	-	-	N.A.
1984		Cameroon / KITA Field (Elf Serepca)	Platform to platform / Power cable 20 kV.	5	Vessel	L	1.4	-	-	N.A.
1984		Cameroon / YANGA Field (Elf Serepca)	Power cable 30 kV.	103	Barge + Saturati on Diving	R	-	-	-	N.A.
1984		Gabon / BARBIER Field (Elf Gabon)	Transmission / Power cable 20 kV.	60	Barge	R	-	-	-	N.A.
1983		Cameroon / EKOUNDOU Field (Elf Serepca)	Power cable 20 kV.	20	Barge	R	-	-	-	N.A.
1983		Congo / SENDJI Field LIKOUALA (Elf Congo)	Platform to platform / Power cable 5.5 kV - Transmission cable.	100	Barge	L	9	-	-	N.A.
1983		Congo / YANGA and SENDJI Fields (Elf Congo)	Platform to platform / 8 Flowlines.	100		L	2.6	-	-	N.A.
1983		France / Manche - Meridian cable (Alcatel)	Communication cable.	35		B	5	-	-	Trencher
1983		France to England Channel (E.D.F.)	500 MW HVDC Power cable pair.	50		B	4	-	-	Trencher
1982		Cameroon / BAVO Field (Elf Serepca)	Platform to platform / 2 power cables 20 kV - Transmission cable.	10	Barge	L	20	-	-	N.A.
1982		Cameroon / EKOUNDOU Field (Elf Serepca)	Platform to platform / Power cable 20 kV.	12	Barge	L	9	-	-	N.A.
1982		Cameroon / EKOUNDOU Field (Elf Serepca)	Platform to platform / 3 Flowlines.	15		L	1.9	-	-	N.A.
1982		Cameroon / KOLE Field (Elf Serepca)	Platform to platform / Power cable 20 kV.	17	Barge	L	17.5	-	-	N.A.

LOUIS DREYFUS TRAVOCEAN OVERALL TRACK-RECORD

Year	Project	Location (Client)	Description	Max Depth (m)	Vessel	Type (*)	Length (km)	Burial data		
								Depth (m)	Length (km)	Machine
1982		Congo / YANGA and EMERAUDE Fields (Elf Congo)	Platform to platform / Power cables 5.5 / 30 kV.	103	Barge	L	20.3	-	-	N.A.
1982		Congo / YANGA and EMERAUDE Fields (Elf Congo)	Platform to platform / Power cables 15 kV.	60	Barge	L	0.8	-	-	N.A.
1982		Congo / YANGA and SENDJI Fields (Elf Congo)	Platform to platform / 10 Flowlines.	100		L	2.26	-	-	N.A.
1982		Congo / YANGA Field (Elf Congo)	Platform to platform / 7 Flowlines.	100		L	3.5	-	-	N.A.
1981		Pacific / China Sea (Les Câbles De Lyon)	Island to island / Communication cable.	100	Vessel	L	271.3	-	-	N.A.
1981		France / Carry le Rouet (E.D.F.)	160 MW HVDC Power cable.	30		B	1	-	1	ZEZETTE (Trencher)
1980		Arabian Gulf / Iran SIRRI Field (Sofiran)	Platform to platform / Power cable 15 kV + 3 quads.	65	Vessel	L	1.8	-	-	N.A.
1980		Arabian Gulf / Iran SIRRI Field (Sofiran)	Platform to platform / Power cable 33 Kv.	61	Vessel	R	-	-	-	N.A.
1980		France / Manche (E.D.F.)	Power cable 100 kV.	28	DP Vessel	R	-	-	-	N.A.
1979		Atlantic / Canada - Campobello Grand Manan (Les Câbles De Lyon)	Island to island / Power cable 69 kV.	90	Vessel	L	14.5	-	-	N.A.
1979		France to England Channel (E.D.F.)	Power cable.	65		B	7	-	7	ZEZETTE (Trencher)
1978		Atlantic / Canada - Deer Campobello (Les Câbles De Lyon)	Island to island / Power cable 69 kV.	85	Vessel	L	3.5	-	-	N.A.
1977		Arabian Gulf / Iran SIRRI Field (Sofiran)	Island to platform / 2 power cables 33 kV.	65	Vessel	L	33	-	-	N.A.
1977		Arabian Gulf / Iran SIRRI Field (Sofiran)	Platform to platform / 5 power cables 15 kV + 15 quads.	65	Vessel	L	3.6	-	-	N.A.
1977		Atlantic / Azores Islands (D.G.S.M.)	Island to island / Power cable 15 kV.	100	Vessel	L	8.5	-	-	N.A.

LOUIS DREYFUS TRAVOCEAN OVERALL TRACK-RECORD

Year	Project	Location (Client)	Description	Max Depth (m)	Vessel	Type (*)	Length (km)	Burial data		
								Depth (m)	Length (km)	Machine
1977		Atlantic / Congo - CONGO Field (AGIP Congo)	Platform to platform / Power cable 10 kV + 2 quads + 1 twin + 53 wires.	82	Barge	L	5.2	-	-	N.A.
1977		Atlantic / France - Re Island - Aix Island (E.D.F.)	Mainland to island / Power cable 15 kV - Power cable 5.5 kV.	13	Barge	L	10.8	-	-	N.A.
1977		North Sea / Holland PETROLAND Field (Elf Petroland)	Power cable 15 kV + 3 quads.	40	Vessel	R	-	-	-	N.A.
1976		North Sea / Holland PETROLAND Field (Elf Petroland)	Platform to platform / Power cable 15 kV + 3 quads.	40	Vessel	L	8.7	-	-	N.A.