# NCT OFFSHORE

Sub-sea-Services

#### **Experience and Track-Record**

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HYBRID

March 2025

#### The Journey from CT Offshore to NCT Offshore

2025	NCT Offshore executes its first official offshore wind inter-array cable installation project (CHW2204) utilising its new CLV Freja.
2024	MV Freja was sold and NCT Offshore's organisation grew by 400%.
2023	NCT Offshore's new cable lay vessel CLV Freja was ordered to complete Ørsted's CHW2204 Project.
2022	MV Coco was acquired.
2017 -2022	NCT Offshore provided vessel services supporting offshore geotechnical and other ROV and survey operations.
2016	NCT Offshore was founded and MV Freja was acquired.
2012	CT Offshore was sold to A2SEA.
2005 -2011	Over the coming 7 years, CT Offshore introduced 4x new vessels, 2x new ROVs, and 3x new trencher ROVs, and installed approximately 400x offshore wind inter-array cables.
2004	MV Sander was introduced, as well as CT Offshore's first ROV (CT102).
2003	The first vessel, MV Sia, was introduced.
2002	Paw Cortes founded CT Offshore to offer consultancy, and later installation, services for subsea cables.

#### **Strong Proven Track Record**



#### **Onshore Personnel – Experience**

**Office Offshore Wind Experience Distribution** 





#### **Offshore Personnel – Experience**

**Crew Offshore Wind Experience Distribution** 





# TROV 103 / TROV 105 / TROV107 / TROV109 – Track-Record

NCT Offshore is proud to say that it designs, assembles, owns, and operates all subsea equipment in-house. As a result of this, we have been able to retain highly capable and experienced personnel for 20+ years, including engineers, designers, and operators, and been able to carry their embedded knowledge and experience with us as the company has grown.

Consequently, with each new upgrade / design update to our subsea vehicles, we bring the experience and track-record of the previous iterations with us.

As such, NCT Offshore's new TROV109 currently under construction will be a subsea vehicle which has embedded experience and a project track-record stretching back 15+ years.

A selection / overview of the track-record and feats / capabilities of the vehicle is set out on the following slide.





#### **Embedded Experience - Strong Proven Track Record**



# **Offshore Cable Installation / Repair Project Track-Record**

Project	Scope of Work	Vessel	Year	Area	Client
CHW2204 OWF	Installation of 66x IACs	CLV Freja	2025 (planned)	Taiwan Strait	Ørsted
Kincardine Floating OWF	Dynamic Cable Disconnection, Relocation, and Reconnection	MV Coco	2023	North Sea	Magellan / Bourbon
Gwynt Y Mor OWF	Installation of 37x IACs	CLV Sia MV Line	2015	Irish Sea	RWE
Borkum Riffgrund 01 OWF	Installation of 43x IACs	CLV Sia MV Sander 2 VOS Sympathy	2015	North Sea	Ørsted
Gode Wind 01 & 02 OWF	Installation of 97x IACs	CLV Sia MV Line	2015	North Sea	Ørsted
LINCS / LID OWF	Installation of 33x IACs	CLV Sia	2013	North Sea	Centrica
London Array OWF	Post-lay burial of 45x IACs	CLV Sia MV Sander 2 MV Line CLV Nico	2013	North Sea	VSMC
West of Duddon Sands OWF	Installation of 12x PCCs, and 95x ICCs	CLV Sia MV Sander 2 MV Line Maersk Responder	2012	Irish Sea	Ørsted
Rhyl Flats OWF	Remedial Burial of 3x ECs	CLV Nico MV Line	2012	Irish Sea	RWE
Walney OWF	Recovery and Replacement of 1x PCC	CLV Sia CLV Nico	2012	Irish Sea	Ørsted / SSE



# **Offshore Cable Installation / Repair Project Track-Record - Continued**

Project	Scope of Work	Vessel	Year	Area	Client
Greater Gabbard OWF	Installation of 33x IACs, 4x PCCs and 1x Met-mast Cable	CLV Sia MV Sander 2 MV Line MV Sander	2012	North Sea	Flour
Thanet OWF	2nd End Recovery of 1x EC, Cable Recovery and Replacement of 14x IACs	CLV Sia MV Sander 2 MV Line MV Sander	2010	North Sea	Flour
Gunfleet Sands 1 & 2 OWF	Installation of 44x IACs, and Recovery, Repair, Jointing and Replacement of 1x PCC	CLV Nico MV Sander 2	2009	North Sea	Ørsted
Princess Amalia OWF	Cable Recovery and Replacement of 1x IAC		2008	North Sea	Eneco



### **Cable Installation / Repair Project Statistics**

Offshore Wind Cable Installation / Repair Projects (No. of Projects by Client)





### **Cable Installation / Repair Statistics**

Quantity and Distribution of Cables Installed / Repaired (No. of Cables)



# **Survey Track-Record**

Project	Scope of Work	Vessel	Year	Area	Client
CHW2204	ROV / TSS / MBES / DOB Survey	CLV Freja	2025 (planned)	Taiwan Strait	Ørsted
Unnamed Project CCZ Phase 2	Geotechnical Survey	MV Coco	2024 2024	Bismarck Sea	Magellan / Nautilus
CCZ Phase 1 Moray East OWF	Geotechnical Survey	MV Coco	2024 2023	Pacific Ocean	Magellan / TMC
Salamander OWF Titanic CCM	Geotechnical Survey	MV Coco	2023 2023	Pacific Ocean	Magellan / TMC
TINSIL Esbjerg Harbour	ROV Survey	MV Coco	2022 - 2023	North Sea	Magellan / Ocean Winds
Storstroemmen Recife	Geotechnical Survey	MV Freja	2018 - 2022	North Sea	Ocean Infinity / Ørsted
Vesterhav North & South OWF	ROV Survey / IMR	MV Freja	2017 2017	Atlantic Ocean	Magellan Magellan
	ROV Survey / IMR	MV Freja	2017 2017	Bay of Biscay	Magellan GEOxyz
	ROV Survey / IMR Geotechnical Survey	MV Freja		Atlantic Ocean	GEOxyz Magellan
	Geotechnical Survey	MV Freja		Esbjerg Harbour	GEOxyz
	ROV Survey	MV Freja		DK Waters	
	Geotechnical Survey	MV Freja		Atlantic Ocean	
	,	MV Freja		North Sea	
UCNS	UXO Clearance	MV Freja	2017	North Sea	GEOxyz
Kriegers Flak OWF	Geotechnical Survey	MV Freja	2017	Baltic Sea	GEOxyz
Abigail	ROV Survey	MV Freja	2016	Baltic Sea	Oddysey
Nord Stream 2	Geotechnical Survey	MV Freja	2016	Baltic Sea	GEOxyz



# **Survey Track-Record -Continued**

Project	Scope of Work	Vessel	Year	Area	Client
Borkum Riffgrund 01 OWF	ROV / TSS Survey	CLV Sia MV Sander 2 VOS Sympathy	2015	North Sea	Ørsted
Gode Wind 01 & 02 OWF	ROV / TSS Survey	CLV Sia MV Line	2015	North Sea	Ørsted
Gwynt Y Mor OWF	ROV / TSS / MBES / DOB Survey	CLV Sia MV Line	2015	Irish Sea	RWE
London Array OWF	ROV / TSS / MBES / DOB Survey	CLV Sia MV Sander 2 MV Line CLV Nico	2013	North Sea	VSMC
LINCS / LID OWF	ROV / TSS / MBES / DOB Survey	NCT OFFSHORE	2013	North Sea	Centrica
Anholt OWF	ROV / TSS / MBES Survey	MV Line	2013	DK Waters	Ørsted
Thanet OWF	MBES Survey	MV Sander 2	2012	North Sea	Flour
Greater Gabbard OWF	MBES of 152x IACs, 58x MPs, and 2x Met-masts	MV Line	2012	North Sea	Flour
West of Duddon Sands OWF	ROV / TSS / MBES / DOB Survey	CLV Sia MV Sander 2 MV Line Maersk Responder	2012	Irish Sea	Ørsted



# **Survey Track-Record -Continued**

Project	Scope of Work	Vessel	Year	Area	Client
Gunfleet Sands OWF	ROV / TSS / MBES / DOB Survey	MV Line	2012	North Sea	Ørsted
Rhyl Flats OWF	ROV / TSS / DOB Survey	CLV Nico MV Line	2012	Irish Sea	RWE
Greater Gabbard OWF	ROV / TSS / MBES / DOB Survey	CLV Sia MV Sander 2 MV Line MV Sander CLV Sia	2012	North Sea	SSE
Walney OWF	ROV / TSS / MBES / DOB Survey	CLV Nico	2011	Irish Sea	Ørsted / SSE
Walney 1 & 2 OWF	ROV / TSS / MBES / DOB Survey	MV Line	2011	Irish Sea	Ørsted / SSE
Thanet OWF	ROV / TSS / WIBES / DOB Survey	CLV Sia MV Sander 2 MV Line MV Sander	2010	North Sea	Vattenfall
Rødsand OWF	ROV / TSS Survey	MV Sander	2010	DK Waters	SEAS-NVE
Gunfleet Sands 1 & 2 OWF	ROV / TSS / IVIBES / DOB Survey	CEV NICO IVIV Sander 2	2009	North Sea	Ørsted
Unnamed Project	ROV Survey ROV / TSS Survey Diving	MV Sander	2008	DK Waters	Energinet
Lillgrund OWF	Contractory and a second		2007	DK Waters	Vattenfall
Kentish Flats OWF	Operations ROV / TSS Survey ROV / TSS	CLV Nico MV	2007	North Sea	Vattenfall
Horns Rev OWF	Survey		2006	DK Waters	Ørsted
Barrow OWF	SULVEY	- Curra	2006	North Sea	Ørsted

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#### **Survey Project Statistics**

#### **Survey Projects (No. of Projects by Client)**





#### **Vessel** –**Track**-**Record**

Project	Scope of Work	Vessel	Year	Area	Client
Unnamed Project	Export Cable Installation Support, ROV / TSS / MBES / DoB Surveys, Seabed Levelling, PLGR, SOV	CLV Freja	2026 (planned)	Global	Undisclosed
Unnamed Project	Geotechnical Survey	MV Coco	2025 – 2026 (planned)	Global	Undisclosed
CHW2204	Installation of 66x IACs, ROV / TSS / MBES / DoB Surveys, Seabed Levelling, PLGR, SOV Dynamic Cable	CLV Freja	2025 (planned)	Taiwan Strait	Ørsted
Kincardine Floating OWF	Disconnection, Relocation, and Reconnection ROV Survey	MV Coco	2023	North Sea	Magellan / Bourbon
Moray East OWF	NOV Survey	MV Coco	2023	North Sea	Magellan / Ocean Winds



# TROV 103 / TROV 105 / TROV107 / TROV109 – Track-Record

Project	Type of Soil	Vehicle	Client	Year	No. of Cables Buried	Cable Length Buried
Moray East OWF	Sand and clay with stones	TROV107	Moray Offshore	2021	Remedial Only	Remedial Only
Triton Knoll OWF	Sand and clay with stones	TROV107	RWE	2020	Remedial Only	Remedial Only
Horns Rev 3 OWF	Dense sand / firm clay	TROV107	Vattenfall	2019	49x	105km
Albatros OWF	Firm sand	TROV107	EnBW	2018	19x	27km
Hohe See OWF	Firm sand Hard sand	TROV107	EnBW Vattenfall	2018 2018	79x	52km
Aberdeen OWF	the second second	TROV107	Ørsted	2017	11x	17km
Race Bank OWF	Sand Soft sand	TROV107	Ørsted	2017	Remedial Only	Remedial Only
Walney Extension OWF	Sand	TROV107	Vattenfall	2016	87x	100km 96km
Sandbank OWF	Sand	TROV107	Ørsted	2015	72x	140km 50km
Gode Wind 1 + 2 OWF	Sand	TROV107	Ørsted	2014	97x	200km 200km
Borkum Riffgrund OWF	Soft sand	TROV103	Ørsted	2013-2014	43x	85km 35km
West of Duddon Sands OWF	Soft sand	TROV103	VSMC	2012-2013	108x	Remedial Only
London Array OWF	Sand and hard chalk	TROV103/105	Centrica	2012	187x	45km
LINCS/LID OWF	Soft sand	TROV105	Ørsted	2012	75x	
Gunfleet Sands OWF	Soft sand	TROV103	Flour	2011-2012	29x	
Thanet OWF	Soft sand	TROV105	Flour	2010-2011	Remedial Only	
Greater Gabbard OWF	10-1-2	TROV105			38x	and the second

