

<b>MORAY EAST VESSEL SPECIFICATION REPORT</b>	Issue Date	01/08/2019
	Ref: 8460001-PC0010-MWE-REP-0020	Rev: 01



**Vessel specs and details**

**Update: 01/08/2019**



Relevant Marine Licences: Wind Farm Marine Licences (Telford, Stevenson and MacColl Offshore Wind Farms); Offshore Transmission Infrastructure (OfTI) Marine Licence and Offshore Substation Platform (OSP) Marine Licence

Moray Offshore Windfarm (East) Limited (Moray East)



**Vessel details for 2019**

ID	Vessel	Vessel Type / Function	Operator	Contact Details	Vessel call sign	Vessel key characteristics	Date on site	Relevant Marine Licence
1	JUV Apollo 	Offshore Heavy Lift DP2 jack up vessel  Pile installation works	GeoSea	DPA/CSO Bart Van Eynde +32 325 954 03 / +32 476 868 461 <a href="mailto:vanden.eynde.bart@deme-group.com">vanden.eynde.bart@deme-group.com</a>  GSM Bridge +32 470 783 882 INMARSAT -C1 425 358 611	LXBP IMO 9769764 MMSI 253586000	LOA: 89 m Beam: 45 m Draught: 15 m	From 18/05/2019	Wind Farm, OfTI and OSP Marine Licences
2	MV Normand Service 	DP 2 PSV vessel  Infield pile installation supply and support	GeoSea	DPA/CSO Jakob Hoines. Onshore. +47 911 59 130 <a href="mailto:Jakob.hoines@solstad.com">Jakob.hoines@solstad.com</a> Bridge +870 773 152 045 +44 7465 844 147 VSAT +44 293 608 9671 <a href="mailto:master@service.solstad.com">master@service.solstad.com</a> <a href="mailto:bridge@service.solstad.com">bridge@service.solstad.com</a>	LAFR8 MMSI: 257062690	LOA: 88.0 m Beam: 18.0 m Draught: 4.5 m	From 18/05/2019	Wind Farm, OfTI and OSP Marine Licences



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3	GV Replenish 	Construction guard vessel	Kinnaird Marine Services Replenish (FR) LLP	Onshore Office Kirkton House, South Road Fraserburgh AB43 8TJ 01346 518035 Vessel e mail. <a href="mailto:gvreplenish@gmail.com">gvreplenish@gmail.com</a> George West <a href="mailto:george@kinnairdmarine.co.uk">george@kinnairdmarine.co.uk</a> VHF	MASY7 MMSI: 235055180	LOA: 24.36 m Beam: 7.17 m Draught 3.48 m	From 17/05/2019	Wind Farm, OfTI and OSP Marine Licences
4	KMS Ability N294 	Construction guard vessel	Kinnaird Marine Services	Onshore Office Kirkton House, South Road Fraserburgh AB43 8TJ 01346 518035 Vessel e mail. <a href="mailto:gvreplenish@gmail.com">gvreplenish@gmail.com</a> George West <a href="mailto:george@kinnairdmarine.co.uk">george@kinnairdmarine.co.uk</a> VHF	MDFW3 MMSI: 235014666	LOA: 23.14 m Beam: 6.63 m Depth: 3.20 m	From 05/06/2019	Wind Farm, OfTI and OSP Marine Licences




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5	Rover Alpha 	Construction guard vessel	Kinnaird Marine Services	Onshore Office Kirkton House, South Road Fraserburgh AB43 8TJ 01346 518035 Vessel e mail. <a href="mailto:gvreplenish@gmail.com">gvreplenish@gmail.com</a> George West <a href="mailto:george@kinnairdmarine.co.uk">george@kinnairdmarine.co.uk</a> VHF	MLAS2 IMO 920661	LOA: 19.21 m Beam: 6.0m Draught: 5.8 m	From TBC	Wind Farm, OfTI and OSP Marine Licences
6	Natalie C 	Construction guard vessel	Kinnaird Marine Services	Onshore Office Kirkton House, South Road Fraserburgh AB43 8TJ 01346 518035 Vessel e mail. <a href="mailto:gvreplenish@gmail.com">gvreplenish@gmail.com</a> George West <a href="mailto:george@kinnairdmarine.co.uk">george@kinnairdmarine.co.uk</a> VHF	GHNE IMO 8673126	LOA: 26.36 m Beam: 6.4m Draught: 3.24 m	From TBC	Wind Farm, OfTI and OSP Marine Licences


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7	Voe Jarl 	HDD Utility Vessel and anchored at HDD exit point	Delta Marine	Onshore contact Dave McNaughton 07748986716 dave@deltamarine.co.uk  Vessel Mobile for Master +44(0)7502297888 <a href="mailto:voejarl@delta-marine.co.uk">voejarl@delta-marine.co.uk</a>  VHF	MSBB3 IMO 9429974 MMSI 235055168	LOA: 26.0 m Beam: 11.5 m Depth: 5.1 m	From 14/07/2019	OfTI Marine Licence
8	Rona 	Secure tail end of HDPE during tow/Crew Transfers/Medical Emergency	Caldive Limited	Iain Beaton 18 High Street, Invergordon IV18 0ET, Ross-shire, Scotland Tel: + 44 (0) 1349 853688 (24 hour service)  Tel: + 44 (0) 1349 853688 Mob: + 44 (0) 7713 064672  Master TBC	MACN3	LOA: 26 m Beam: 11 m Draught: 2.25m	From 02/08/2019	OfTI Marine Licence

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9	Shuna 	Tug boat for ducting pull works	Caldive Limited	Iain Beaton 18 High Street, Invergordon IV18 0ET, Ross-shire, Scotland Tel: + 44 (0) 1349 853688 (24 hour service)  Tel: + 44 (0) 1349 853688 Mob: + 44 (0) 7713 064672  Master TBC	VQBP3	LOA: 16.8 m Beam: 5.29 m Draught: 2.3 m	From 02/08/2019	OfTI Marine Licence
10	Teal of Wick 	Multipurpose vessel	Caldive Limited	Iain Beaton 18 High Street, Invergordon IV18 0ET, Ross-shire, Scotland Tel: + 44 (0) 1349 853688 (24 hour service)  Tel: + 44 (0) 1349 853688 Mob: + 44 (0) 7713 064672  Master TBC	ZQXM9	LOA: 18.25 m Beam: 8.0 m Draught: 1.85 m	From 02/08/2019	Wind Farm, OfTI and OSP Marine Licences
11	Waterfall 	Workboat, UK MCA Cat 2  Sound recording equipment and acoustic loggers deployment / recovery	University of Aberdeen	Bill Ruck Moray First Marine Ltd Tel: 07775 802 963 bill@moraymarine.com	2CBT4 / 235071392	LOA: 16 m Beam: 6.5 m Draught: 1.7 m	From 15/05/2019	Wind Farm Marine Licences



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12	Coral Wind 	Workboat, UK MCA Cat 2  Sound recording equipment and acoustic loggers deployment / recovery	University of Aberdeen	Bill Ruck Moray First Marine Ltd Tel: 07775 802 963 bill@moraymarine.com	2EMX8 / 235086491	LOA: 14 m Beam: 5.1 m Draught: 1.2 m	From 15/05/2019	Wind Farm Marine Licences





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**Vessel details from 2020 onwards**



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1	<p>HLV Orion</p> 	<p>Offshore Heavy Lift DP3 Installation Vessel</p> <p>WTG and OSP Jacket Foundation Installation and OSP Topside Installation</p>	GeoSea	<p>Onshore contact Mr Sollie +32 475 535382 <a href="mailto:SOLLIE.KRIS@DEME-GROUP.COM">SOLLIE.KRIS@DEME-GROUP.COM</a></p>	TBC	<p>LOA 216 m Beam 49 m Draught 16.8 m</p>	2020	Wind Farm, OfTI and OSP Marine Licences
2	<p>Victoria</p> 	Cable Lay (export cables)	Remoy Management	TBC	LAWV7	<p>LOA: 140 m Beam: 30 m Draught: 7.2 m</p>	2020	OfTI Marine Licence

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3	Havala Pheonix 	Trenching Vessel (export cables)	Havila shipping/ Deep Ocean	TBC	C68D2	LOA: 127 m Beam: 23 m Draught: 6.25 m	2020	OfTI Marine Licence
4	Zwerver II 	Pre-lay Grapnel – Anchor Handling Vessel  Route Clearance with Grapnel / Hook Train on Seabed (inter-array and OSP interconnector cables)	HVS Dredging Support	Onshore contact Mr. Arjan (J.J.) van Stee +31 (0) 6 53663292  Vessel e mail TBC Vessel tel TBC VHF	PCTQ IMO 9794458 MMSI 244870718	Length: 35 m Breadth: 15 m Draught: 4.07m	2020-2021	Wind Farm and OfTI Marine Licences




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5	CLV NDurance 	Cable lay (inter-array and OSP interconnector cables)	Boskalis	TBC	5BVH3	LOA: 99.0 m Beam: 30 m Draught: 4.3 m	2020-2021	Wind Farm and OfTI Marine Licences
6	ACTA ISV Orion 	Survey, equipment and personnel transfer (inter-array and OSP interconnector cables)	ACTA Marine	TBC	PCEN	LOA: 107 m Beam: 16 m Draught: 5.5 m	2020-2021	Wind Farm and OfTI Marine Licences

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7	TSV Grand Canyon 	Cable burial and survey (inter-array and OSP interconnector cables)	Helix Energy Solutions	TBC	LACJ8	LOA: 128 m Beam: 26 m Draught: 6.7 m	2020-2021	Wind Farm and OfTI Marine Licences
8	OSV Vos Start 	Personnel and equipment transfer (inter-array and OSP interconnector cables)	Vroon	TBC	PBIH	LOA: 80 m Beam: 18 m Draught: 5 m	2020-2021	Wind Farm and OfTI Marine Licences

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9	RPV Rock Piper 	Rock dump installation and fall pipe vessel (inter-array and OSP interconnector cables)	Acta Marine	TBC	5BML3	LOA: 107 m Beam: 16 m Draught: 5.5 m	2020-2021	Wind Farm and OfTI Marine Licences