Van Oord

Marine ingenuity

Profile

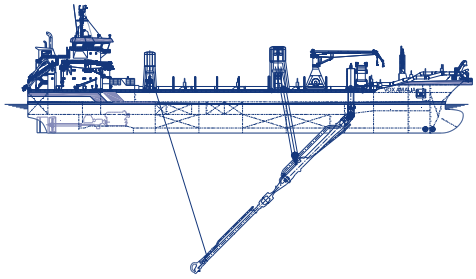
Main equipment

Dredging and Marine Contractors

Trailing suction hopper dredgers

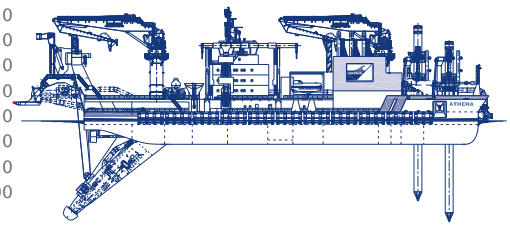
Name	Total power installed (kW)	Hopper capacity (m³)	Maximum dredging depth (m)
HAM 318	28,636	39,467	150
Vox Máxima	31,309	31,387	79
Rotterdam	27,470	21,665	73
Volvox Terranova	29,490	20,053	82
Vox Amalia*	23,848	18,893	61
Vox Alexia*	23,848	18,893	61
Utrecht	23,640	18,292	74
HAM 310	13,522	13,392	52
Volvox Asia	21,480	10,834	43
Vox Ariane*	14,260	11,100	42
Vox Apolonia*	14,260	11,100	42
ZSH 7.0 III*	14,260	11,100	42
Lelystad	13,380	10,329	58
Geopotes 15	12,380	9,931	56
HAM 316	12,137	9,535	44
Volvox Delta	11,100	7,788	49
Volvox Olympia	6,542	4,883	34
Volvox Atalanta	6,633	4,692	31
HAM 317	6,187	4,497	36
Costa La Luz	5,547	3,738	29
HAM 311	5,317	3,702	29
Costa Verde	4,217	2,671	27
Dravo Costa Dorada	4,217	2,548	28
Costa Atlantica	2,980	2,400	25

*Under Construction



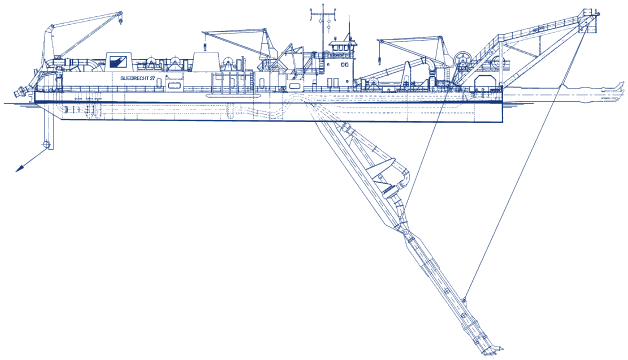
Cutter suction dredgers

Name	Total power installed (kW)	Power cutter (kW)	Maximum dredging depth (m)	Discharge pipe (mm)
Artemis	24,662	7,100	31	1,000
Athena	24,662	7,100	31	1,000
Hector	11,023	1,177	28	850
HAM 218	10,439	1,618	25	850
Noordzee	5,965	1,100	19	750
Ural River	2,972	600	18	650
Mangystau	2,972	700	18	650
Biesbosch	2,843	700	22	650
Calabar River	2,672	552	16	650
Aegir	2,025	368	19	600



Suction dredgers

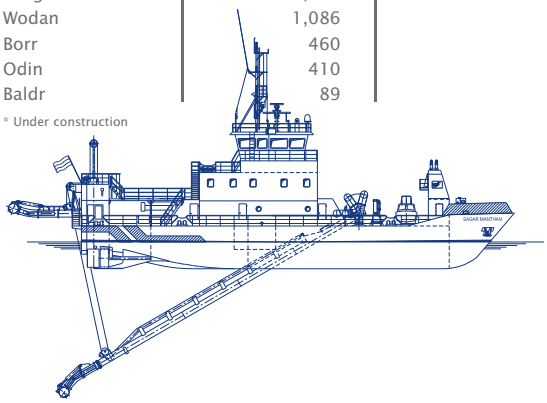
Name	Total power installed (kW)	Maximum dredging depth (m)
Sliedrecht 27	7,207	60
Faunus	2,626	58



Water injection dredgers

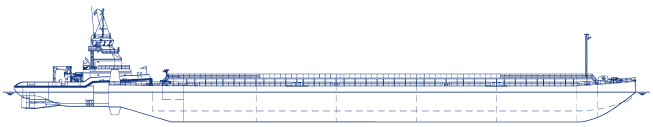
Name	Total power installed (kW)	Maximum dredging depth (m)
Sagar Manthan	2,106	20
Antareja	2,096	20
Iguazú	2,091	27
Jetsed	2,073	25
WID 2.0 – 1*	2,044	24
WID 2.0 – 2*	2,044	24
Njörd	1,644	21
Draga Tocantins	1,224	20
Draga Rio Madeira	1,224	20
Wodan	1,086	20
Borr	460	14
Odin	410	10
Baldr	89	8

* Under construction



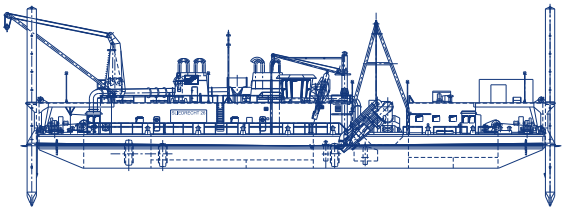
Pushbusters & Hopper barges

Name	Total power installed (kW)	Hopper capacity (m^3)
Sand carrier 103*	268	10,108
Sand carrier 104*	268	10,108
Sand carrier 105*	268	10,108
Sand carrier 106*	268	10,108
* Propelled by pushbusters		
Blackbird	4,163	
Buzzard	4,163	
Kingfisher	4,163	



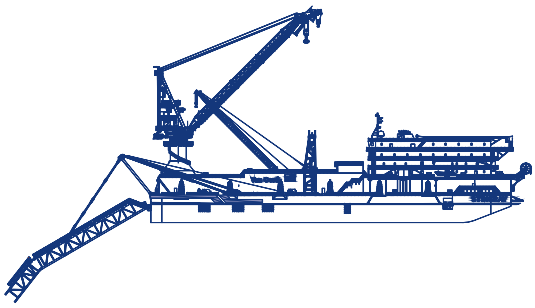
Barge unloading dredgers

Name	Total power installed (kW)	Discharge pipe (mm)
Sliedrecht 26	4,790	900



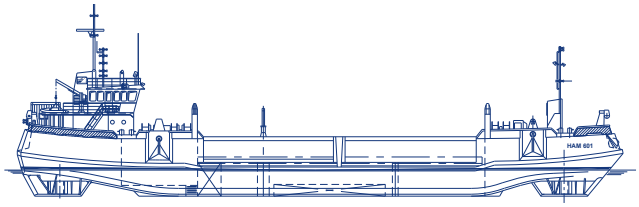
Shallow water pipelay barge

Name	Total power installed (kW)	Crane capacity (tons)
Stingray	8,827	500



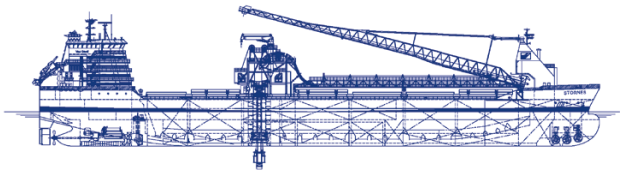
Side stone dumping vessels

Name	Total power installed (kW)	Carrying capacity (tonnes)
HAM 602	4,129	2,080



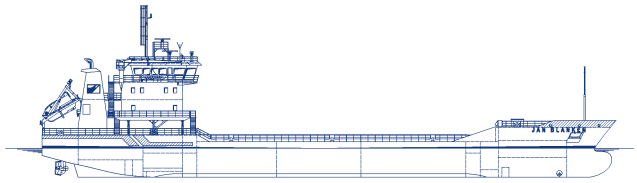
Flexible fallpipe vessels

Name	Total power installed (kW)	Carrying capacity (tonnes)
Nordnes	17,636	26,045
Stornes	16,572	26,648
Bravenes	16,394	14,000



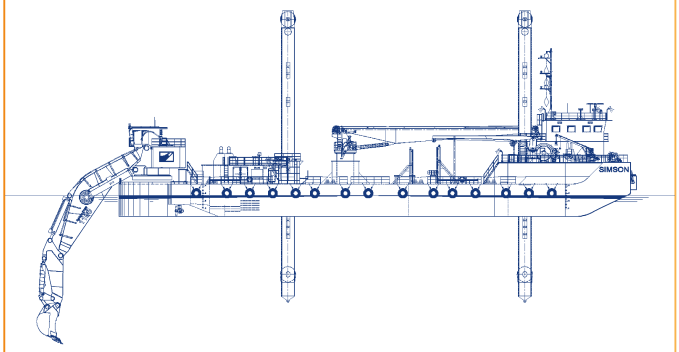
Split hopper barges

Name	Total power installed (kW)	Hopper capacity (m^3)
Jan Blanken	3,239	2,853
Jan Leeghwater	3,239	2,853
Pieter Caland	3,239	2,853
Cornelis Lely	3,239	2,853
Johannis de Rijke	803	843
Johan van Veen	803	843



Backhoe dredgers

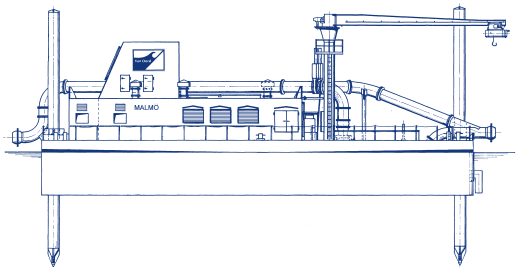
Name	Total power installed (kW)	Bucket capacity (m³)	Maximum dredging depth (m)
Goliath	4,336	15/20/25/34/42	18/22/26/30
Simson	4,126	15/20/25/34/42	18/22/26/30
Hippopotes	1,985	2.9/5/6/13/20	14.5/19/25.5/30
Razende Bol	1,636	6.0/7.5/8.1	16.5/18.5



Booster stations

Name	Total power installed (kW)	Discharge pipe (mm)
Jabbar	13,000	1,000
Malmö*	4,380	800
Maarssen*	1,352	600
Ouderkerk*	1,352	600
Zoetermeer*	1,352	600
De Meern	578	350
Vleuten	578	350
Woerden	575	350

*Floating

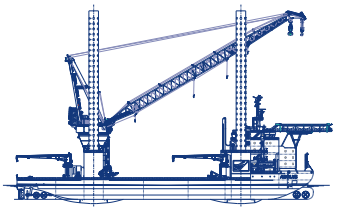


Vertical drain installation

Type	Weight (tonnes)	Maximum installation depth (m)	Maximum installation force (tonnes)
Hitachi EX1200 + vertical drain mast	135	60	40
Hitachi EX750-5 + vertical drain mast	100	40	35
Hitachi EX750-5 + vertical drain mast	100	40	35
Hitachi EX750-5 + vertical drain mast	100	37.5	35
Hitachi ZX 870-3 + vertical drain mast	100	50	35
Hitachi ZX 870-3 + vertical drain mast	100	50	35
Hitachi ZX 870-3 + vertical drain mast	90	40	35
Hitachi ZX 870-3 + vertical drain mast	90	40	35
Hitachi ZX 670 LCH + vertical drain mast	90	29	27
Hitachi ZX 670 LCH + vertical drain mast	90	29	27
Hitachi ZX 470 LCH + vertical drain mast	60	20	25
Hitachi ZX 470 LCH + vertical drain mast	60	20	25
Hitachi ZX 470 LCH + vertical drain mast	60	15	25
Hitachi ZX 470 LCH + vertical drain mast	60	25	20
Hitachi ZX 350 LCH + vertical drain mast	45	9	15
Hitachi ZX 350-5 + vertical drain mast	45	11	15

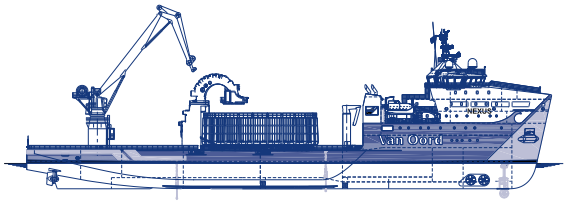
Offshore installation vessel

Name	Total power installed (kW)	Crane capacity (tons)
Aeolus	18,688	1,600
MPI Adventure	15,586	1,000
MPI Resolution	13,740	600
Svanen	10,051	4,400



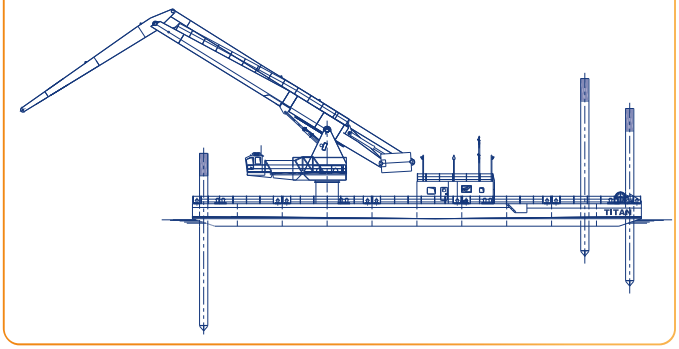
Cable-laying vessel

Name	Total power installed (kW)	Carousel capacity (tons)
Nexus	10,948	5,000



Grab dredger

Name	Total power installed (kW)	Grab capacity (m^3)	Maximum dredging depth (m)
Titan	828	4.8/6.0/10.0	24



Auxiliary equipment

- Cable trenchers
- Crane barges
- Dismountable pontoons
- Dumptrucks and bulldozers
- Hydraulic drill towers
- Launches
- Linear pulling winches
- Multicats
- Spreader pontoons
- Survey boats
- Transport barges
- Tugboats
- Winch/anchor pontoons

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