



**KEEL MARINE LTD**  
**Naval Architects, Marine Engineers and Surveyors**

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**Reference List of Projects involving Estuary, Harbour, Inland Waterway & River Craft**

<b>PROJECT REFERENCE (DATE)</b>	<b>CLIENT</b>	<b>BUILDER or OWNER</b>	<b>VESSEL TYPE</b>	<b>SCOPE of WORK</b>	<b>COUNTRY of OWNER</b>
2687 (2017)	Environment Agency	Environment Agency	Pusher Tug & Trimmers Barge	Operators Manual	UK
2685 (2017)	Gisman	Gisman	Stability	Buoy GBP-1500-ES	UK
2684 (2017)	Northern pontoons	Northern pontoons	Pontoon	Stability	UK
2680 (2017)	Rope & Rail	Rope & Rail	Pontoon	Stability	UK
2679 (2017)	Severn Sands	Severn Sands	Barge	Stability	UK
2676 (2017)	Northern pontoons	Northern pontoons	Steel Pontoon	Design	UK
2669 (2016)	Britannia Aggregates	Britannia Aggregates	Barge	Ventilation Design	UK
2663 (2016)	Britannia Aggregates	Britannia Aggregates	Barge	Life extension	UK
2662 (2016)	Severn Sands	Severn Sands	Barge	Stability	UK
2658 (2016)	Oscar Propulsion	Oscar Propulsion	Paddle Blade	Design	UK
2655 (2016)	Northern pontoons	Northern pontoons	PAM Pontoon	Stability	UK
2654 (2016)	Environment Agency	Environment Agency	Pusher Tug & Trimmers Barge	Build Supervision	UK
2653 (2016)	Northern pontoons	Northern pontoons	Steel Pontoon	Stability	UK
2652 (2016)	Floating Pontoon Hire	Floating Pontoon Hire	Pontoon	Stability	UK
2649 (2016)	Northern pontoons	Northern pontoons	Pontoon with MEWP	Stability	UK
2647 (2016)	Staffordshire Publications	Staffordshire Publications	Barge	Stability	UK
2646 (2016)	Presentation Design Services	Presentation Design Services	Pontoon	Stability	UK
2644 (2016)	European Land & Property Ltd	European Land & Property Ltd	Pontoon	Stability	UK
2642 (2016)	Northern pontoons	Northern pontoons	Pontoon	Stability	UK
2640 (2016)	Northern pontoons	Northern pontoons	Pontoon with Scissor Lifts & MEWPS	Stability	UK
2636 (2016)	Briggs Marine	Briggs Marine	Ferry	Battery Concept	UK
2635 (2016)	Ebsford Environmental	Ebsford Environmental	Pontoon	Stability Calculations	UK
2634 (2015)	Briggs Marine	Briggs Marine	Pontoon	Concept Study	UK
2631 (2015)	Port of London Authority	Port of London Authority	Workboat	Machinery Arrangement Design	UK



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2630 (2015)	Northern Pontoons	Northern Pontoons	Pontoon	Stability Calculations	UK
2626 (2015)	Environment Agency	Environment Agency	60T Hopper Barge	Design	UK
2625 (2015)	Environment Agency	Environment Agency	50T & 100T Barges	Design	UK
2624 (2015)	Shearwater Dredging	Shearwater Dredging	Dredger	Tickness Calculations	UK
2621 (2015)	Williams Shipping	Williams Shipping	Barge	Stability Calculations	UK
2615 (2015)	Williams Shipping	Williams Shipping	Barge	Calculations	UK
2610 (2015)	Briggs Marine	Briggs Marine	Ferry	Stability Book	UK
2608 (2015)	Environment Agency	Environment Agency	Trimmers Barge	Design	UK
2607 (2015)	Environment Agency	Environment Agency	Tug & Barge	Stability Book	UK
2605 (2015)	Northern Pontoons	Northern Pontoons	Pontoon	Stability Calculations	UK
2600 (2015)	Environment Agency	Environment Agency	Pusher Tug	Design	UK
2598 (2015)	Briggs Marine	Briggs Marine	Ferry	Design	UK
2594 (2014)	Briggs Marine	Briggs Marine	Ferry	Life Extension	UK
2592 (2014)	Environment Agency	Environment Agency	50T Hopper Barge	Design	UK
2585 (2014)	Environment Agency	Environment Agency	Bottom Opening Dredger Barge	Preliminary Design	UK
2584 (2014)	Mistley Marine	Mistley Marine	Landing Pontoon	Design	UK
2583 (2014)	Environment Agency	Environment Agency	Self Propelled Work Platform	Stability Assessment	UK
2582 (2014)	Environment Agency	Environment Agency	Tug	Design	UK
2578 (2014)	Land & Water/Environment Agency	Environment Agency	Dredger/Work Barge	Design	UK
2569 (2014)	Land & Water	Land & Water	Pontoon	Stability Assessment	UK
2567 (2014)	Land & Water	Land & Water	Pontoon	Survey	UK
2565 (2014)	Land & Water	Land & Water	River Cruisers	Survey	UK
2564 (2014)	Land & Water	Land & Water	Barge	Stability	UK
2561 (2014)	Severn Lamb	Severn Lamb	Passenger Vessel	Survey	UK



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2554 (2014)	Land & Water	Land & Water	Tug	Design	UK
2549 (2014)	Britannia Aggregates	Britannia Aggregates	Bridge		UK
2543 (2013)	Isle Of Man Steam Packet	Isle Of Man Steam Packet	Linkspan	Design	UK
2514 (2013)	UK Docks	UK Docks	Pontoon	Design	UK
2527 (2013)	Land & Water	Land & Water	Pontoon	Stability Check	UK
2507 (2013)	Severn Lamb	Severn Lamb	Passenger Vessel	Survey	UK
2490 (2012)	Veolia	-	Self Propelled Barge	Feasibility Study	UK
2473 (2012)	Driveline	T.B.C.	30m Hopper Barge	Design	UK
2462 (2011)	Land & Water	Land & Water	8.0m River Tug	Inclining Experiment & Stability Book	UK
2454 (2011)	British Waterways	British Waterways	Hopper Barge	12m BB Hopper Excavator Trials	UK
2444 (2011)	Abwood Marine	Abwood Marine	Pontoon	Stability of Audi Chilcote Pontoon	UK
2443 (2011)	Abwood Marine	Abwood Marine	Lock Gate	Stability Calculations for Brentford Lockgate Removal	UK
2436 (2011)	Land & Water	T.B.C.	6m Canal Tug	Design	UK
2418 (2010)	Environment Agency	Environment Agency	Pontoon	Stability of Crane Transport Barge	UK
2417 (2010)	Desmi Ro-Clean	Manor Marine, UK	10.5m Pollkitten	Inclining & Stability	-
2415 (2010)	Severn Lamb	Severn Lamb	Passenger Vessel	Drayton Queen Survey	UK
2408 (2010)	Desmi Ro-Clean	Manor Marine, UK	15.5m Pollcat	Design	-
2406 (2010)	British Waterways	British Waterways	Hopper Barge	15M Broad Beam Hopper Load Test	UK
2398 (2010)	Milford Haven Port Authority	Milford Haven Port Authority	18m Pollcat	Technical support for Re-fit & Conversion	UK
2397 (2010)	Driveline	Environment Agency	Crane Barge	EA Crane Barge Survey & Crane Replacement	UK
2393 (2010)	Driveline	Environment Agency	Hopper Barge	Survey of Hopper Barge	UK



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2390 (2010)	Driveline	Environment Agency	Inland Waterways Dredger	Survey of Thames Wey Dredger	UK
2388 (2010)	Driveline	Environment Agency	Inland Waterways Workboat	Survey of Fitters Boat	UK
2387 (2010)	Driveline	Environment Agency	Inland Waterways Tug	Survey of Falconbrook	UK
2385 (2010)	British Waterways	Manor Marine, UK	Inland Waterways Tug	BB Tug Inclining Report	UK
2384 (2010)	Driveline	Environment Agency	Inland Waterways Tug	Survey of Ash	UK
2383 (2010)	Driveline	Environment Agency	Inland Waterways Tug	Survey of Ver	UK
2382 (2010)	Freight Afloat	Peel	Barge	Design to Tender	UK
2378 (2010)	Driveline	Environment Agency	Inland Waterways Tug	Survey of Kennet	UK
2375 (2010)	Driveline	Environment Agency	Inland Waterways Barge	Survey of Dredger/Barge	UK
2373 (2010)	Land & Water	Manor Marine, UK	River Tug	Design of River Tug	UK
2365 (2010)	Horsfall Int	-	Survey Vessel	Design	Burundi
2363 (2010)	WGP	-	Survey Vessel	Survey & Stability of "Tanganika"	Burundi
2356 (2010)	British Waterways	British Waterways	Weed Clearance	Tarranchewer Stability	UK
2349/2374 (2009)	Mistley Marine	-	Pontoon	Spartacus	UK
2340 (2009)	Port of London Authority	Environment Agency	Survey Vessel	Yantlet	UK
2338 (2009)	Driveline	Environment Agency	Crane Barge	Survey of Crane Vessel	UK
2336 (2009)	Driveline	Environment Agency	Self Propelled Barge	Survey of "Glasson"	UK
2334 (2009)	Land & Water	Land & Water	Inland Waterways Dredger	Twin Dredger	UK
2333 (2009)	Driveline	Environment Agency	Self Propelled Crane Barge	Survey of "Barrier 1"	UK
2329 (2009)	Belu	Port of London Authority	Thames Turtle PDC	Design of PDC	UK
2318 (2009)	British Waterways	British Waterways	WB Hopper	Excavator Trials	UK
2316/2321 (2009)	Land & Water	Land & Water	Olympic Hopper	Design & Build Supervision	UK
2306/2328 (2009)	British Waterways	British Waterways	NB Hopper	Excavator Trials	UK
2303 (2008)	Land & Water	Land & Water	Pontoon	Pontoon Stability	UK



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2288 (2008)	SAFLE	SAFLE	Floating Support Structure for Art Installation	Technical assistance on 'Big Arts Project' in Cardigan	UK
2278 (2008)	Private Owner	Private Owner	House boat	Pre-purchase survey of 'Jadi'	UK
2277 (2007)	Transport for London	London River Services	Ferry	Preliminary design of new wheelhouse for Woolwich Ferry	UK
2263 (2007)	British Waterways	Manor Marine, UK	Wide Beam Barge	Inclining and Load Test	UK
2262 (2007)	Land & Water	Land & Water	Denham Barge	Preparation of calculations/ drawings for lengthening	UK
2259 (2007)	Transport for London	ET Marine	Narrow Boat	Technical assistance for proposed addition of wheelchair lift to narrow boat	UK
2255 (2007)	Land & Water	Land & Water	Floating Dock	Technical assistance for proposed movement of three floating docks on Thames	UK
2252 (2007)	British Waterways	British Waterways	Narrow Beam Barge	Preparation of stability booklet	UK
2249 (2007)	Port of London Authority	Port of London Authority	River Craft	Stability information for 'Royal Nore'	UK
2245 (2007)	British Waterways	Manor Marine, UK	Wide Beam Barge	Load Test	UK
2244 (2007)	Cambria Trust	Cambria Trust	Sailing Barge	Technical assistance during restoration of sailing barge 'Cambria'	UK
2241 (2007)	British Waterways	Manor Marine, UK	Wide Beam Hopper	Inclining and stability book	UK
2240 (2007)	British Waterways	Manor Marine, UK	Wide Beam Tug	Inclining	UK



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2227 (2007)	Land & Water	Land & Water	Barge	Further stability calculations for 'Renard'	UK
2226 (2007)	Land & Water	Land & Water	Barge	Stability calculations for 'Pauline'	UK
2217 (2007)	British Waterways	Manor Marine, UK	Wide Beam Tug	Inclining and stability book	UK
2207 (2006)	Land & Water	Land & Water	Barge	Stability test on 'Renard'	UK
2206 (2006)	Mistley Marine	Mistley Marine	Workboat	Stability and structural calculations for crane installation	UK
2196 (2006)	Land & Water	Land & Water	Denham Barge	Propeller calculations	UK
2168 (2006)	British Waterways	British Waterways	40ft Wide Beam Barge	Preparation of construction drawings	UK
2167 (2006)	British Waterways	British Waterways	Narrow Beam Barge	Inclining	UK
2166 (2006)	British Waterways	Manor Marine, UK	Shallow Draft Narrow Beam Tug	Inclining	UK
2165 (2006)	Watchet Harbour Marina	Watchet Harbour Marina	Dredger	Stability of 'Perseverance'	UK
2164 (2006)	AMC (Finlay)	AMC (Finlay)	Dredge Pontoon	Stability	UK
2155 (2006)	British Waterways	Manor Marine, UK	Shallow Draft Narrow Beam Tug	Inclining	UK
2150 (2005)	British Waterways	British Waterways	Container Barge	Concept design development	UK
2148 (2005)	British Waterways	British Waterways	Wide Beam Barge	Design development	UK
2146 (2005)	British Waterways	British Waterways	Narrow Beam Barge	Inclining and stability	UK
2143 (2005)	British Waterways	British Waterways	Wide Beam Tug	Design development	UK
2141 (2005)	Blue Boat Contracts	Blue Boat Contracts	River Pontoon	Stability report	UK
2126 (2005)	R.N.L.I.	R.N.L.I.	Pontoon	Stability of Waterloo pontoon	UK
2120 (2005)	Port of London Authority	Port of London Authority	River craft	Heeling test of 'Westbourne'	UK
2119 (2005)	Thames Water	Damen, Holland	Debris Collection Tideway Skimmer Vessel	Preparation of initial design and specification, plan approval and supervision	UK



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2114 (2005)	Ro-Clean Desmi	-	10.5m Anti-Pollution Vessel	Design and working drawings, specification	Iraq
2113 (2005)	British Waterways	British Waterways	Hopper Barge	Survey	UK
2111 (2005)	Environment Agency	Environment Agency	Dredger	Survey	UK
2108 (2005)	Parkstone Bay Marina	Parkstone Bay Marina	Dredger	Installation of new crane	UK
2104 (2005)	Environment Agency	Environment Agency	Tug	Calculations for tow post	UK
2103 (2005)	Environment Agency	Environment Agency	Dredger	Condition Survey	UK
2101 (2005)	Environment Agency	Environment Agency	Dredger	Modifications to steering	UK
2100 (2005)	British Waterways	British Waterways	Container Barge	Concept design of container barge	UK
2096 (2005)	British Waterways	British Waterways	Tug	Survey of 'Jubilee'	UK
2095 (2005)	British Waterways	British Waterways	Barge	Survey of 'Kennet 1'	UK
2094 (2005)	British Waterways	British Waterways	Barge	Survey of 'DH14'	UK
2093 (2005)	British Waterways	British Waterways	Narrow Beam Barge	Construction review	UK
2092 (2005)	Land & Water	Land & Water	Denham Barge	Study	UK
2089 (2004)	RWE NUKEM	Sellafield	Fuel pond handling and maintenance barge	Feasibility study	UK
2087 (2004)	British Waterways	Mandell Engineering, UK	Pontoon	Inclining and stability	UK
2085 (2004)	Port of London Authority	Port of London Authority	River craft	Stability assessment and report on 'Ravensbourne 2'	UK
2081 (2004)	British Waterways	British Waterways	Shallow Draft Narrow Beam Tug	Design development	UK
2078 (2004)	Abwood Marine	Abwood Marine	Workboat	Stability check	UK
2072 (2004)	Land & Water	Land & Water	Barge with Spuds	Stability	UK
2068 (2004)	Abwood Marine	Abwood Marine	Workboat	Survey	UK
2052 (2004)	British Waterways	British Waterways	Wide Beam Tug	Preparation of construction drawings	UK



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2038 (2003)	-	-	House boat	Survey	UK
2036 (2003)	Ro-Clean Desmi	Manor Marine, UK	10.5m Anti-Pollution Vessel	Design & Working Drawings	Russia
2034 (2003)	British Waterways	British Waterways	Wide Beam Barge	Preparation of construction drawings	UK
2031 (2003)	British Waterways	British Waterways	Narrow Beam Barge	Inclining and Stability	UK
2029 (2003)	British Waterways	British Waterways	Bridge	Technical assistance on bridge positioning	UK
2024 (2003)	Ro-Clean Desmi	Manor Marine, UK	10.5m Anti-Pollution Vessel	Inclining & Trials	Spain
2023 (2003)	Land & Water	Land & Water	Denham Barge	Powering calculations	UK
2022 (2003)	British Waterways	British Waterways	Wide Canal Pontoon	Preparation of construction drawings	UK
2021 (2003)	British Waterways	British Waterways	River Tug	Feasibility study & development of design	UK
2019 (2003)	Land & Water	Land & Water	Barge	Review of stability	UK
2018 (2003)	Port Talbot Diving Services	Port Talbot Diving Services	Workboat	Powering calculations, survey	UK
2014 (2003)	British Waterways	British Waterways	River Pontoon	Preparation of construction drawings	UK
2012 (2003)	Environment Agency	Environment Agency	Crane Barge	Stability and calculations with uni-flote arrangement	UK
2009 (2003)	British Waterways	British Waterways	Wide Beam Tug	Feasibility study & development of design	UK
2008 (2003)	British Waterways	British Waterways	Shallow Draft Narrow Beam Tug	Preparation of construction drawings	UK
2003 (2003)	British Waterways	British Waterways	Crane Barge	Design Calculations	UK
2000 (2003)	British Waterways	British Waterways	Spud Leg Barge	Preparation of construction drawings	UK





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1999 (2003)	Port of London Authority	Port of London Authority	Salvage Vessel	Preparation of Stability Book for 'Crossness'	UK
1995 (2003)	Mandell Engineering	Mandell Engineering, UK	Dredger	Stability calculations	UK
1993 (2003)	Land & Water	Land & Water	Barge	Survey	UK
1986 (2003)	Land & Water	Land & Water	Split Hopper	Calculation check	UK
1976 (2002)	British Waterways	British Waterways	River Tug	Feasibility study & development of design	UK
1975 (2002)	British Waterways	British Waterways	Maintenance Boat	Accommodation/ Workshop Pod Concept working drawings	UK
1974 (2002)	Ro-Clean Desmi	Manor Marine, UK	10.5m Anti-Pollution Vessel	Design & Working Drawings	Spain
1967 (2002)	Land & Water	Land & Water	Tug	Inclining	UK
1966 (2002)	Port of London Authority	Port of London Authority	Debris Collection Vessel	Design & Development	UK
1963 (2002)	British Waterways	British Waterways	Maintenance Boat	Accommodation/ Workshop Pod Concept Design Development	UK
1960 (2002)	Marine Development	Marine Development	Pontoon	Technical assistance	UK
1948 (2002)	Land & Water	Land & Water	Narrow Dredger Hopper	Stability calculations	UK
1932 (2002)	Port of London Authority	Port of London Authority	Salvage Vessel	Deadweight Survey on 'Crossness'	UK
1928 (2002)	British Waterways	British Waterways	Maintenance Boat	Accommodation/ Workshop Pod Concept Feasibility	UK
1925 (2002)	Ro-Clean Desmi	Manor Marine, UK	10m Anti-Pollution Craft	Design & Working Drawings	Spain
1917 (2001)	Land & Water	Land & Water	-	Stability test	UK
1912 (2001)	Port of London Authority	Port of London Authority	River craft	Stability assessment of 'Gun Fleet'	UK
1904 (2001)	Land & Water	Land & Water	Tug	Inclining	UK



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1897 (2001)	Land & Water	Land & Water	Dredger	Stability check	UK
1893 (2001)	Land & Water	Land & Water	Hopper Barge	Drawing	UK
1892 (2001)	Land & Water	Land & Water	Pontoon	Stability check	UK
1887 (2001)	Land & Water	Land & Water	-	Stability check	UK
1827 (2000)	Port of London Authority	Port of London Authority	River craft	Re-engining investigation	UK
1785 (1999)	Port of London Authority	Port of London Authority	Salvage Vessel	Inclining & Stability Booklet for 'Hookness'	UK
1718 (1998)	British Waterways	British Waterways	Refuse Barge	Survey and stability investigation	UK
1668 (1997)	British Waterways	British Waterways	-	Inclining and Stability for 'Beal' and 'Brighthouse'	UK
1650 (1997)	Environment Agency	Environment Agency	Barge MTD 0098	Structural modification drawings	UK
1637 (1997)	Ro-Clean Desmi	Manor Marine, UK	10m Anti-Pollution Craft	Design & Working Drawings	Nigeria
1581 (1995)	National Rivers Authority	National Rivers Authority	Crane Barge	New crane calculations & design drawings	UK
1568 (1995)	Ro-Clean Desmi	Manor Marine, UK	12m Anti-Pollution Craft	Design & Working Drawings	Saudi Arabia
1550 (1995)	Ro-Clean Desmi	Cosens, UK	12m Anti-Pollution Craft	Design & Working Drawings	Tunisia
1522 (1994)	National Rivers Authority	National Rivers Authority	Plant	Valuations	UK
1396 (1992)	Port of London Authority	Port of London Authority	Salvage Vessel	Design & Working Drawings for Crane Replacement on 'Crossness'	UK
1388 (1992)	Port of London Authority	Port of London Authority	Catamaran	Preparation of Lines Plan and General Arrangement for 'Blythe 33'	UK



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1329 (1991)	Ro-Clean Desmi	Cosens, UK	10m Anti-Pollution Craft	Design & Working Drawings	Portugal
1319 (1991)	National Rivers Authority	National Rivers Authority	Piling Barge	Stability Investigation	UK
1278 (1991)	British Waterways	British Waterways	Tunnel Navigation	Safety assessment of navigation through tunnels	UK
1252 (1991)	National Rivers Authority	National Rivers Authority	Barge UTD 0098	Design of side tanks to increase stability	UK
1251 (1991)	National Rivers Authority	National Rivers Authority	Crane Barge UTD 0001	Design of side tanks to increase stability	UK
1246 (1990)	National Rivers Authority	National Rivers Authority	Dredger	Survey and design of side tanks for increase stability	UK
1233 (1990)	National Rivers Authority	National Rivers Authority	Barges	Survey	UK
1232 (1990)	National Rivers Authority	National Rivers Authority	Sewage Barge	Condition Survey	UK
1175 (1990)	National Rivers Authority	National Rivers Authority	Dredger	Stability Investigation	UK
1049 (1988)	Thames Water Authority	Thames Water Authority	Crane Barge	Condition Survey	UK
1047 (1988)	Thames Water Authority	Thames Water Authority	Crane Barge	Stability Investigation	UK
1025 (1988)	Thames Water Authority	Thames Water Authority	Tug	Condition Survey	UK
1022 (1987)	Thames Water Authority	Thames Water Authority	Uni-flote Pontoon	Stability Investigation	UK
1021 (1987)	Thames Water Authority	Thames Water Authority	Dredger	Stability Investigation	UK
1020 (1987)	Thames Water Authority	Thames Water Authority	Lopping Barge	Stability Investigation	UK
1019 (1987)	Thames Water Authority	Thames Water Authority	Dredger	Stability Investigation	UK
998 (1987)	Thames Water Authority	Thames Water Authority	River craft	Sponson design	UK
994 (1987)	Thames Water Authority	Thames Water Authority	Refuse Vessel	Design	UK
991 (1987)	Thames Water Authority	Thames Water Authority	Crane Vessel	Inclining and Stability	UK
990 (1987)	Thames Water Authority	Thames Water Authority	Hymac Dredger	Inclining and Stability	UK
983 (1987)	Thames Water Authority	Thames Water Authority	Debris Collection Vessel	Outline Design	UK



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975 (1987)	British Waterways	British Waterways	Tug	Inclining and Stability of tug 'Arley'	UK
950 (1986)	Thames Water Authority	Thames Water Authority	Crane Barge	Design of side tanks to increase stability	UK
861 (1985)	British Waterways	British Waterways	Wide Maintenance Vessel	Preparation of design, specification and working drawings	UK
860 (1985)	British Waterways	British Waterways	200 HP Tug	Preparation of design, specification and working drawings	UK
838 (1984)	British Waterways	British Waterways	Pusher Tug	Preparation of design, specification and working drawings	UK
801 (1984)	Thames Water Authority	Thames Water Authority	Thames Barges	Design of new rudder	UK
788 (1984)	Thames Water Authority	Thames Water Authority	Tug	Inspection of tug 'Misty'	UK
782 (1984)	Thames Water Authority	Thames Water Authority	Tug	Powering investigation for tug 'Muxwell'	UK
779 (1983)	Thames Water Authority	Thames Water Authority	Tug	Inspection of tug 'Wyepul'	UK
623 (1980)	British Waterways	British Waterways	Crane Vessel	Preparation of design, specification and working drawings	UK
589 (1980)	British Waterways	British Waterways	SYC Class Maintenance Vessel	Preparation of design, specification and working drawings	UK
542 (1979)	British Waterways	British Waterways	Powered Wide Maintenance Vehicle	Preparation of design, specification and working drawings	UK