



ENGINEERING

ITEM	CLIENT	LOCATION	PROJECT	MAJOR PROJECT EXAMPLES	YEAR
1	Petroplus	Milford Haven Terminal	Refurbishment of site storage tanks, piping and steelwork	Design, Fabrication, raising on specialist jacking system, installation of Floor, Shell, Fixed and Floating Roof replacements of Tanks, piping and steelwork from 10-81.5m Diameter	1999-2005
2	Texaco Refinery and Terminals	Pembroke Plant & UK Terminals	Refurbishment of site storage tanks, piping and steelwork	Design, Fabrication, raising on specialist jacking system, installation of New Tank Build and Floor, Shell, Fixed and Floating Roof replacements of Tanks from 10-80m Diameter	1999-2003
3	Total Fina Elf	Milford Haven Refinery	Refurbishment of site storage tanks, piping and steelwork TANK MAINTENANCE CONTRACT from 2002 - 2006	Design, Fabrication, raising on specialist jacking system, installation of New Tank Build and Floor, Shell, Fixed and Floating Roof replacements of Tanks from 10-73.15m Diameter	1999-2008
4	Texaco Terminals	Texaco Refinery, Pembroke	Upgrade of Refinery Road Loading Facilities	Demolition of existing horizontal day tanks in road loading storage compound within the refinery. Design and construction of two new concreted civil bunds with secondary containment, 9 number new vertical storage tanks, piping, steelwork & E & I	2001-2003
5	Bechtel	Spalding Power Station	Storage Tanks for new build Power Station	Design, fabrication and construction of new 10m diameter x 8m high demineralised water and 20m diameter x 10m high raw water storage tanks	2004
6	Corus	Port Talbot Works	Upgrade of Process Plant	Inspection, purchase, part dismantling, transfer by sea from Milford Haven Terminal to Port Talbot plant, rebuild and commissioning of 16m diameter Gas Sphere	2003
7	Air BP	BP Terminal, Hamble	Hamble Tanks Re-allocation Project	Turnkey refurbishment of 16 number storage tanks from 8-30m diameter, together with removal of existing site piping system design, fabrication and installation of new piping system and associated steelwork and equipment	2004
8	Total Oil	Total Fuels Terminal, Guernsey	Tank Farm Upgrade Project	Demolition of existing tanks, design, fabrication and construction of new 16m x 14m high and 8m x 12m high tanks, to include all associated piping and equipment support steelwork	2004-2005
9	Air BP	Rolls Royce, Derby	Upgrade of fuel tanks and piping for Jet Engine testing	Turnkey refurbishment of 4 number storage tanks from 12-18m diameter, together with removal of existing site piping system design, fabrication and installation of new piping system and associated steelwork and equipment	2005
10	Various Petrochem Clients	Throughout UK	Refurbishment of site storage tanks, piping and steelwork	Design, Fabrication, raising on specialist jacking system, replacement of Floor, Shell, Fixed Roofs, piping and steelwork for 10-55m diameter tanks	1998-2005
11	WHESSOE	Dragon LNG Terminal, Milford Haven	LNG Tanks for new LNG Terminal	Part fabrication and full construction of 2 number 160,000m ³ double skinned Cryogenic LNG Storage Tanks in 9% nickel & S.S. materials (80m diam x 33m high internal)	2005-2008
12	AIR BP	ISLE OF GRAIN	Tank Farm Upgrade Project	Turnkey project for the fabrication, raising on specialist jacking system and construction of 4 x 34m diameter x 20m high aviation fuel tanks in common bund, complete with all civils, piping, steelwork and E&I	2005-2007



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13	Semlogistics (previously Petroplus)	Milford Haven Terminal	Refurbishment of site storage tanks, piping and steelwork	Design, Fabrication, raising on specialist jacking system, installation of Floor, Shell, Fixed and Floating Roof replacements of Tanks, piping and steelwork from 10-81.5m Diameter	2006-2010
14	Murco Petroleum	Theale Terminal	Additional storage for existing Tank Farm	Turnkey Project for the design, fabrication, raising on specialist jacking system, and erection of one number 12m diameter x 15m high storage tank, complete with skid mounted blending unit, all site piping and steelwork	2005-2006
15	Murco Petroleum	Milford Haven Refinery	Refurbishment of site storage tanks, piping and steelwork - TERM TANK MAINTENANCE CONTRACT from 2006 - 2010	Design, Fabrication, raising on specialist jacking system and installation of New Tank Build and Floor, Shell, Fixed and Floating Roof replacements of Tanks from 10-73.15m Diameter	2006-2010
16	Esso Petroleum	Manchester Airport Fuel Terminal	Additional Tank Storage	Design, Supply Fabrication, raising on specialist jacking system and construction of one number 25m diameter x 12.5m high aviation fuel tank	2007-2008
17	BP Logistics	Hamble, Hemel Hempstead, Northampton and Kingsbury Terminals	Complete turnkey design and construction of civil, mechanicals, and E & I for Bio-Ethanol Fuels Blending on 4 UK Sites	Design, Fabrication and construction of 6 single and double skin tanks from 12.5 - 24m diameter, process piping, steelwork, civils and E & I. This project was very late being awarded and although the target completion dates were perceivably unachievable, Rhyal Engineering managed to achieve completion two weeks ahead of the target date.	2008-2009
18	Projen	Greenenergy, Plymouth Terminal	Upgrade of existing Terminal	Design, Fabrication and installation of Floor, Shell and Fixed Roof replacements for Tanks, piping and steelwork from 8-24m Diameter	2009-2010
19	Total Oil	Total Oil Refinery, Immingham	Tank Farm Upgrade Project	Design, Fabrication, raising on specialist jacking system, and construction of new 20m diameter x 22m high fixed Cone Roof storage Tank	2010
20	Various Petrochem Clients	Throughout UK	Refurbishment of site storage tanks, piping and steelwork	Design, Fabrication and replacement of Floor, Shell, Fixed Roofs, piping and steelwork for 10-55m diameter tanks	2006-2010
21	M & W Group	Biffa Waste, Horsham	New Waste to Energy Plant	Design, Supply Fabrication, raising on specialist jacking system and construction of six number 19m diameter x 20m high fixed Cone roof digester and hydrolysis tanks, two number bolted water tanks, associated access steelwork, painting, insulation and installation of tank mixers agitators	2010-2012
22	Murco Petroleum	Theale Terminal	Tank farm Maintenance works	Contract to refurbish 3 number existing site tanks of 15m diameter, to include raising tanks on specialist jacking system, upgrade civil foundations, replacement floors and shell plating, piping and steelwork	2010-2011



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23	Petroineos	Grangemouth Refinery	Tank farm Maintenance works	Design, Fabrication and construction of new 35m diameter x 10m high fixed Dome Roof storage Tank	2011
24	Esso Petroleum	Fawley Refinery	Refurbishment of site storage tanks, piping and steelwork - TERM TANK MAINTENANCE CONTRACT from Nov. 2010 - Nov. 2014.	Design and refurbish existing site tanks from 8 - 80m diameter, to include raising tanks on specialist jacking system, upgrade civil foundations, replacement floors, floating and fixed roofs, shell plating, piping and steelwork	2010-2014
25	CERN	Geneva, Switzerland	European research project	Feasibility and Cost study for the design, construction and operation of a 100,000m ³ cryogenic tank located at one mile beneath ground level - Three possible site locations within Europe form part of the review study.	2011-2012
26	Petroineos	Grangemouth Refinery	Tank farm Maintenance works	Design, Fabrication and construction of new 35m diameter x 10m high fixed Dome Roof storage Tank	2011
27	Rolls Royce	Filton Plant, aviation fuel terminal	Tank farm Maintenance works	Turnkey Refurbishment of 5 Number Aviation Fuel Tanks for Jet Engine Testing Facility. New floors, bottom, shell plates, shell nozzles etc.	2012
28	Ministry of Defence	Ascention Island Airport Fuel Terminal	Tank farm Maintenance works	Design & Installation of New Beachhead Valve System and Concrete Bund. Fabrication, Transportation & Installation of 6m x 3m Dia Tank with all associated Pipework	2011
29	Petroineos	Grangemouth Refinery	Tank farm Maintenance works	Design, Fabrication and construction of new 35m diameter x 10m high fixed Dome Roof storage Tank	2011
30	Murco Petroleum	Theale & Westerleigh Terminals	Mechanical works for Bio-Ethanol Fuels Blending	Westerleigh - 4 x Shop Built Tanks / Theale 2 x Shop Built Tanks. 4m diameter x 11.5m high S.S. Bio-Ethanol Tanks and all associated piping and support steelwork to connect to tanks through to the vehicle loading bays.	2012-2013
31	Trant/MOD	Ascention Island Airport Fuel Terminal	Tank farm Maintenance works	Demolish existing tank and piping, raise on specialist jacking system and install new 25m Diameter x 13.1m high Avtur Tank & associated pipework. To include design, supply, fabrication, delivery, erection, welding & testing	2012 - 2014
32	Magnox	Hinkley Point Nuclear Facility	Decommissioning Project	Design & fabrication of specialist, purpose made and remotely operated fill heads for the removal and collection of nuclear waste	2012
33	Phillips 66	Whiddy Island, Bantry Bay Terminal and Whitegate Refinery	Refurbishment of site storage tanks, piping and steelwork - TERM TANK MAINTENANCE CONTRACT from 2012 - 2016	Design and refurbish existing site tanks from 25 - 80m diameter, to include raising tanks on specialist jacking system, upgrade civil foundations, replacement floors, floating and fixed roofs, shell plating, piping and steelwork	2012-2016
34	Petroineos	Grangemouth Refinery	Tank farm Maintenance works	Design, Fabrication and construction of new 25m diameter x 9m high fixed Cone Roof storage Tank	2012



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35	Nustar	Grangmouth Terminal	Tank farm additional storage	Design, Fabrication, raising on specialist jacking system and construction of new 3 number new 27.5m diameter x 18.5m high fixed Cone Roof storage tanks	2013-2014
36	Nustar	Grangmouth Terminal	Tank farm additional storage	Fabrication, Installation, Testing & Painting of Pipework and associated supports & platforms	2013-2014
37	EDF	West Burton Power Station	Repairs to Vacuum Damaged Tank	Design and major repairs to existing 16m diameter x 14m high cone roof tank, to include removal and replacement of the complete roof and top 2 shell tiers.	2013
38	Petroineos	Grangemouth Refinery	Tank farm Maintenance works	Design and refurbish existing 35m diameter x 14.5m high cone roof tank, to include raising on specialist jacking system, upgrade civil foundations, replacement floor and lower shell plating.	2013-2014
39	Petroineos	Grangemouth Refinery	Tank farm Maintenance works	Design, Fabrication and construction of new 25m diameter x 9m high fixed Cone Roof storage Tank	2013-2014
40	Petroineos	Grangemouth Refinery	Tank farm Maintenance works	Design, Fabrication, raising on specialist jacking system and construction of new 44m diameter x 12.5m high external Floating Roof storage Tank	2014-2015
41	Solutia	Newport Plant	Tank farm additional storage	Design, Fabrication and construction of 1 x 9.1m diameter x 6.3m high and 1 x 8m diameter x 9.5m high fixed Cone Roof storage Tanks	2014 - 2015
42	GRES	Hemerdon Tungsten Mine, Plymouth	New bulk storage bins for new Tungsten Mining facility	Design, Fabrication, raising on specialist jacking system and construction of 1 x 12.4m diam. x 18.4m high Feed Bin & 1 x 11.4m diam. x 16m high Float Bin, complete with support steelwork, platforms, walkways, etc.	2014-2015
43	Murco Petroleum	Milford Haven Refinery	Refurbishment of site storage tanks, piping and steelwork	Design, Fabrication and installation of New Tank Build and Floor, Shell, Fixed and Floating Roof replacements of Tanks from 10-73.15m Diameter	2010-2015
44	Various Petrochem Clients	Throughout UK	Refurbishment of site storage tanks, piping and steelwork	Design, Fabrication, raising on specialist jacking system and replacement of Floor, Shell, Fixed Roofs, piping and steelwork for 10-55m diameter tanks	2011-2015
45	Esso Petroleum	Fawley Refinery	Refurbishment of site storage tanks, piping and steelwork - TERM TANK MAINTENANCE CONTRACT from Nov. 2014 - Nov. 2016	Design and refurbish existing site tanks from 8 - 80m diameter, to include raising tanks on specialist jacking system, upgrade civil foundations, replacement floors, floating and fixed roofs, shell plating, piping and steelwork	2014-2016
46	Zenith Energy	Whiddy Island, Bantry Bay Terminal	Tank farm Maintenance works	Design and corrosion repairs to existing to 2 x 80m diameter x 19.5m high external Floating Roof tanks, to include to include floor, shell and shell plating repairs.	2015-2016



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47	Irving Oil	Whitegate Refinery	Refurbishment of site storage tanks, piping and steelwork - TERM TANK MAINTENANCE CONTRACT from 2017 - 2019	Design and refurbish existing site tanks from 10 - 45m diameter, to include raising tanks on specialist jacking system, upgrade civil foundations, replacement floors, floating and fixed roofs, shell plating, piping and steelwork	2017 - 2019
48	Esso Petroleum	Fawley Refinery	Refurbishment of site storage tanks, piping and steelwork - TERM TANK MAINTENANCE CONTRACT from Nov. 2016 - Nov. 2019	Design and refurbish existing site tanks from 8 - 80m diameter, to include raising tanks on specialist jacking system, upgrade civil foundations, replacement floors, floating and fixed roofs, shell plating, piping and steelwork	2016-2019
49	BP International	Isle of Grain Terminal	Tank farm Upgrade project	Inspection of high level internal roof structures to 4 x 34.1m diameter x 18.27m high cone roof storage tanks	2017
50	Various Petrochem Clients	Throughout UK	Refurbishment of site storage tanks, piping and steelwork	Design, Fabrication and replacement of Floor, Shell, Fixed Roofs, piping and steelwork for 10-55m diameter tanks	2010-2017
51	Zenith Energy	Whiddy Island, Bantry Bay Terminal	Tank farm Maintenance works	Design and corrosion repairs to 2 x existing 80m diameter x 19.5m high external Floating Roof tanks, to include raising 1 x tank on specialist jacking system, upgrade of the civil foundation and replacement of the floor, together with repairs to floating roof, shell plating and replacement of access steelwork.	2017-2018
52	Jacobs/Petroineos	Dalston Terminal	Tank farm Upgrade project	Design, Fabrication and construction of 2 x new 15m diameter x 11m high fixed Cone Roof storage tanks	2018
53	AIR BP	Isle of Grain	Tank Farm Upgrade Project	Turnkey project for the fabrication, raising on specialist jacking system and construction of 2 x 34m diameter x 20m high aviation fuel tanks in common bund, complete with all civils, piping, steelwork and E&I	2018-2019
54	Solutia	Newport Plant	Tank farm additional storage	Design, Fabrication and construction of 1 x 8m diameter x 9.5m high fixed Cone Roof storage Tank	2018
55	Petroineos	Grangemouth Refinery	Tank farm Maintenance works	Design, Fabrication, raising on specialist jacking system and construction of new 36m diameter x 11m high Fixed Cone Roof storage Tank, c/w aluminium Internal Floating Deck	2018-2019
56	Sabic	Teeside Refinery	Tank farm Maintenance works	Design and corrosion repairs to existing 46m diameter x 17.5m high external Floating Roof tank, to include raising 1 x tank on specialist jacking system, upgrade of the civil foundation and replacement of the floor, together with repairs to floating roof, shell plating and replacement of access steelwork.	2019-2020
57	BP	Hamble Terminal	Tank farm Maintenance works	Design, supply, fabrication, raising on specialist jacking system, civil foundation upgrade, replacement of annular and floor plating and shell inserts to 34m diameter x 13m high fixed cone roof diesel storage tank.	2019-2020



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58	Wartsila	Torneo, Finland	Crogenic LNG Tank Repairs	Refurbishment of damaged main pump column flange on live LNG tank. Develop method of repair c/w supporting design calculations and drawings, fabricate isolation and support spools and install to create triple safety protection for flange refurbishment operation. All works successfully completed to client satisfaction.	2019
59	Esso Petroleum	Fawley Refinery	Refurbishment of site storage tanks, piping and steelwork - TERM TANK MAINTENANCE CONTRACT from January 2020 - January 2027	Design and refurbish existing site tanks from 8 - 80m diameter, to include raising tanks on specialist jacking system, upgrade civil foundations, replacement floors, floating and fixed roofs, shell plating, piping and steelwork	2020-2027
60	Esso Petroleum	Fawley Refinery	New Replacement Tank	Turnkey project for the demolition of existing, design, supply, fabrication, raising on specialist jacking system and construction of 1 number 33.5m diameter x 16.5m high water storage tank, c/w all access steelwork and piping works	2020-2021
61	Puma	Milford Haven	Tank 008 Refurbishment	Remove and replace 74M crude tank floor, remove and replace existing annular plate for civil foundation works, carry out Windgirder repairs.	2020 /2021
62	Puma	Milford Haven	Tank 002 Refurbishment	Install tank jacking system, jack tank, remove and replace 74M crude tank floor and annular plates, carry out shell, pontoon, roof & Windgirder works.	2020 /2021
63	Warwick Chemicals	Mostyn, Flintshire	Acetic Anhydride Storage Tank Upgrade	Supply, fabrication and construction of 2no new 7m diameter x 10m high fixed cone roof stainless steel acetic anhydride storage tanks. Tanks were built conventionally within a live facility to replace existing tanks that were beyond economic repair.	2020
64	RWE	Pembroke	Raw/Fire Water Tank repairs	Carbon Steel - Over plate, patch &/ or repair areas of corrosion with welding as identified & agreed. Re-blast & coat with new lining & return to service Dia. 16.29m - Height 12.5m - Shell 7 courses	2020
65	MOD	Glen Douglas	Jetty Access Brow	Identify a technical solution to provide a Cantilevered Access Brow for the Glen Mallan Jetty, In accordance with the technical specification provided. Design, and manufacture, the Cantilevered Access Brow.	2020