

OILY WATER TREATMENT

CLIENT / CONTRACTOR	COUNTRY	APPLICATION	SCOPE OF SUPPLY
bu Dhabi National Oil Monarch Corp <i>Fluor (GB) Ltd</i>	Abu Dhabi	Oil Refinery	Suspended solids removal using oil/water separators
Arco British <i>Arco British</i>	North Sea	Offshore Oil Platform	Internals for CPI unit
Ashlands Oil (Nigeria) Ltd <i>Single Muoy Moorings UK Ltd</i>	Nigeria	Offshore Oil Platform	Design for pressure separator 30 m ³ /hr
Atlantic Richfield <i>Global Engineering Ltd</i>	North Sea	Offshore Oil Platform	Three-phase separator 33 m ³ /hr
Bahrain National Oil Co <i>Caltex (UK) Ltd</i>	Bahrain	Oil Refinery	2 x vertical tube coalescers, each designed to treat 210 m ³ /hr of oily waste water. The plant is complete with associated pumping equipment and controls
B.P. Petroleum Developments Ltd <i>Foster Wheeler Energy Ltd</i>	Wytch Farm Dorset UK	Oil and Gas Complex	A contract to design, engineer and supply a plant to treat backwash water arising from produced water re-injection filters, including a dissolved fuel gas flotation unit feeding 2 centrifuges. The plant handles some 65 m ³ /hr of dirty backwash water
B.P. Petroleum Developments Ltd <i>Foster Wheeler Energy Ltd</i>	Wytch Farm Dorset UK	Oil and Gas Complex	A contract similar to the above treating backwash water from sea water injection filters, using a dissolved air flotation unit and 2 centrifuges
B.P. Trading Ltd <i>Davy McKee Ltd</i>	Grangemouth UK	Oil Refinery	1 x atmospheric tilted plate oil/water separator
British Gas Corp <i>Stone & Webster Ltd</i>	Easington UK	Gas Terminal	Tilted plate separator
British Petroleum PLC <i>C.H. Dobbie & Ptnrs</i>	Llandarcy UK	Oil Refinery	Desalter waste water 2 x 40 m ³ /hr oil separators followed by dissolved air flotation
British Pipeline Agency <i>British Pipeline Agency</i>	Aldermaston UK	Atomic Weapons Establishment	2 x 120 m ³ /hr oil/water separators
Britoil PLC <i>Highland Fabricators (Wimpey/Brown & Root)</i>	Nigg Bay Scotland	Oil Terminal	650 m ³ /hr deballast/desalter waste water plant using B.P. process

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Central Equadorian Petroleum Corp <i>Kobe Steel Ltd</i>	Equador	Oil Refinery (Amazonas)	A complete refinery effluent system, comprising 2 x Monarch CPI oil interceptors, full flow dissolved air flotation and activated sludge biological treatment to treat a flow of 10 m ³ /hr
Esso, Teoranta <i>John Paul Mechanical Ltd</i>	Dublin Ireland	Oil Terminal	1 x 120 m ³ /hr Monarch CPI oil/water separator
Esso (U.K.) Ltd <i>McDermott Engineering Ltd</i>	Odin Field North Sea	Offshore Oil Platform	Tilted plate separator
Gibraltar Electricity <i>Hawker Siddeley Power Engineering</i>	Gibraltar	Power Station	Tilted plate separator
Kuwait National Petroleum Co <i>Abdul Aziz Yousuf Essa & Co. W.L.L.</i>	Kuwait	Oil Refinery (Mina Al-	A CPI unit to treat 218 m ³ /hr of oily water complete with treated water and oil recovery pumps
Kuwait Oil Co <i>Black Sivalls & Bryson Ltd</i>	Kuwait	Oil Refinery	4 x 163 m ³ /hr enhanced API type separator (coalescer)
Libyan National Oil Corp <i>Stone & Webster Ltd</i>	Ras Lanuf Libya	Oil Refinery	1 x 1135 m ³ /hr oil/water separators 1 x 80 m ³ /hr oil/water separators
National Refinery Corp of Pakistan <i>British Petroleum PLC</i>	Pakistan	Oil Refinery	Media filter design and internals, control panel, valves, etc.
Nigerian National Petroleum Corp <i>Japan Gas Corp</i>	Nigeria	Oil Refinery (Port Harcourt)	17 x CPI units to treat 120 m ³ /hr oily waste water, 75 m ³ /hr oily rain water and 300 m ³ /hr ballast water
North Sea Sun Oil Co Ltd <i>Bechtel (GB) Ltd</i>	Balmoral Field North Sea	Offshore Oil Platform	1 x 346 m ³ /hr Monarch Mona Cross separator and induced air flotation units
Occidental Oil <i>Brown & Root Ltd</i>	Flotta Scotland	Oil Terminal	2 x 400 m ³ /hr oil water separators
Oil & Natural Gas Commission <i>Engineers India Ltd</i>	Uran India	Oil and Gas Terminal	An effluent plant utilising the B.P. process designed to treat 700 m ³ /hr of oil effluents. The plant incorporates CPI's/sand filters/high rate bio-filtration and sludge dewatering
Oil & Natural Gas Commission <i>Termokimik Corp, Milan, Itlay</i>	India	Offshore Oil Platform (South Bassein)	The design, procurement and supply of a plant to treat produced water at 250 m ³ /hr. The plant comprises 1 induced gas flotation unit and 2 pressure cross-flow CPI's

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Pertamina Aromatic Complex <i>Robert Jenkins Ltd</i>	Indonesia	Oil Refinery	1 x 183 m ³ /hr Monarch oil/water separator
Petrofac LLC <i>Esmil</i>	Russia JSC Antipinskiy	Oil Refinery	Design, procurement and supply of a plant to remove oil and dissolved salts from desalter effluent. The plant comprises 2 x 100% identical streams, each rated for approx. 110 m ³ /day over a 20-hour period
Petromin <i>Sete Consultants</i>	Jeddah Saudi Arabia	Oil Refinery	1 x 100 m ³ /hr oil/water separator
Shell Exploration & Production Ltd <i>McDermott Hudson Ltd</i>	Fulmar North Sea	Offshore Oil Platform	2 x 265 m ³ /hr pressure oil/water separators
Shell Exploration & Production Ltd <i>Shell Exploration & Production Ltd</i>	Indefatigable Field North Sea	Offshore Oil Platform	1 x 20 m ³ /hr drains separator Tilted plate separator
Shell Exploration & Production Ltd <i>Humphreys & Glasgow Ltd</i>	Tern Field North Sea	Offshore Oil Platform	Drains separator 50 m ³ /hr
Shell UK Oil Ltd <i>M W Kellogg Ltd</i>	Stanlow UK	Oil Refinery	3 x corrugated plate interceptor units designed to treat 140 m ³ /hr of oily waste water
State Organisation for Oil Projects <i>Hydrotechnik GmbH</i>	Al Madain Iraq	Oil Refinery	1 x 140 m ³ /hr dissolved air flotation system
Tyrolysis Ltd <i>Foster Wheeler Power Products Ltd</i>	Wolverhampton UK	Rubber Recovery Factory	1 x 76 m ³ /hr Monarch Mona Cross CIP oil/ water separator