



REFERENCE-LIST

No	LOCATION	CUSTOMER	TECHNOLOGY
Acid Concentration			
1	USA, Texas	Phelps Dodge Sulfuric Acid Clean-Up	Membrane Systems
Agriculture			
2	UK, Immingham	Norsk Hydro Fertilisers Ltd/Davy McKee (London) Ltd Fertiliser Factory / A single stream demineralisation plant incorporating split flow cation & anion units with an output of 74 m ³ /h	Ion Exchange
Beer and Beverage			
3	Germany, Hanover	Veltin Dealcoholization of Beer	
4	Jordan	Jordans Brewery Brew Water	
5	UK	Coca Cola Schweppes/Taylor Woodrow Soft Drinks Waste: Mechanical & electrical supply & installation of Biothane anaerobic plant plant for 6.4 tons per day COD	
6	UK, Waterlooville	Hartridges (Soft Drinks) Ltd Washwater Recovery	
7	USA, Washington	Western Filter Beverage Make-Up Water	
Boiler Feed Production			
8	Botswana, Morupule	Botswana Power Corp/Esmil Power Station / Refurbishment of boiler feed water treatment plant	Boiler Feed Production
9	Germany, Frankfurt	Hoechst Boiler Make-Up	Membrane Systems
10	Indonesia, Bontang	Pertamina/Bechtel (GB) Ltd Oil Refinery / 91 m ³ /h boiler feed water demin. plant preceded by 3 x iron removal pressure filters	Filtering Systems, Membrane Systems
11	Libya, Ras Lanuf	Libyan National Oil Corp/Stone & Webster Ltd Oil Refinery / 2 x 1, 110,000 kg/h deaerators for boiler feed	
12	Portugal, Tomar	Fabricas Mendes Boiler Feed Water	Membrane Systems, Filtering Systems, Chemical Treatment and Disinfection
13	UAE, Abu Dhabi, Thamamma	Abu Dhabi National Oil Co./Fluor (GB) Ltd. Oil Refinery / 2 x 330,000 kg/h tray type de-aerators for boiler feed	Membrane Systems, Filtering Systems, Chemical Treatment and Disinfection
14	UK, Aldermaston	Ministry of Defence/Property Services Agency Atomic Weapons / 2 x complete plants - 2 x 20 m ³ /h & 3 x 20 m ³ /h streams demineralisation for boiler feed	Membrane Systems, Filtering Systems
15	UK, Coryton	Mobile Oil (UK) Ltd/M.W. Kellogg Ltd Oil Refinery / 2 x 154,000 kg/h deaerators for boiler feed	
16	UK, Dagenham London	Loders & Nucline Ltd/May & Baker Ltd Food Industry Pharmaceutical / 1 x 78, 912 kg/h de-aerator 1 x stream 40 m ³ /h cation/degass/anion demineralisation for boiler feed	Ion Exchange
17	UK, London	Loders & Nucline Ltd Food Industry / 2 x 95 m ³ /h dealcalisation, degasser & base exchange softener for boiler feed	Ion Exchange
18	Zimbabwe, Wankie	Electricity Supply Commission/Merz & McLellan Power Station / 1 x 402 m ³ /h clarification/filtration 2 x 180 m ³ /h cation/degas/anion/mixed bed 1 x 180 m ³ /h condensate polisher HP & LP boiler chemical dosing equipment	Chemical Treatment and Disinfection, Ion Exchange, Filtering Systems, Conventional
19	Zimbabwe, Wankie	Zimbabwe Electricity Supply Authority/Esmil Hwange Power Station / Complete refurbishment of the pre-treatment & demineralisation boiler feed plant , including installation of new PLC systems	Conventional, Chemical Treatment and Disinfection, Ion Exchange



Chemical Industry			
20	China	Cintic/Snamprogetti Ltd Xinjiang Petrochemical / Design, engineering, supply of spent caustic treatment plant	
21	Germany, Frankfurt	Hoechst Boiler Make-Up	Membrane Systems
22	Holland, Arnhem	AKZO, Arnhem Process Water	
23	Indonesia, Bontang	P.T. Pupik Kalimantan, Timur/Chiyoda Chemical Engineering Corp Oil Refinery / A 2-stream demineralisation plant with an output of 65 m ³ /h per stream. Each stream comprises co-flow cation & mixed bed units with a common degasser tower. The plant is complete with fully automatic regeneration equipment & effluent neutralisation	Ion Exchange
24	Philippines	Nobel Explosives/Davy McKee (London) Ltd Explosives Factory / 5 m ³ /h filters/demineralisation/deaerator & dosing	Ion Exchange
25	Spain	Sandoz Chemicals Dye Concentration	Membrane Systems
26	Thailand	Nobel Explosives/Tate & Lyle Agri-Business Ltd Explosives Factory / 1 x clarifier & 3 x rapid gravity filters designed to produce 215 m ³ /h of potable quality water, complete with chemical dosing & sludge handling equipment. 1 x fully automatic base exchange unit designed to produce 25 m ³ /h of boiler feed water	Conventional, Filtering Systems
27	Turkey, Gemlik	Azot-Sanayii T.A.S./M W Kellogg Ltd Ammonia Complex / Complete process water treatment comprising: Clarification & filtration for 830 m ³ /h demineralisation for 280 m ³ /h condensate polishing for 195 m ³ /h	Conventional, Filtering Systems, Membrane Systems
28	Turkey, Gemlik	Azot-Sanayii T.A.S./M W Kellogg Ltd Ammonia Complex / Two pressure de-aerators with output of 290 tonnes/h & 94 tonnes/h respectively	
29	Turkey, Gemlik	Tugsas Gubrye Sanayii A/S/M W Kellogg Ltd Ammonia Complex / Additional equipment & specialist services to enable final completion of the water treatment facilities following 6 years storage	
30	UK	Loders Croklaan/Esmil Chem. Prod. Process Water / Refurbishment & resin supply for demineralisation plant	Ion Exchange
31	UK, Hull	B.P. Chemicals Ltd/B.P. Chemicals Ltd Chemical Factory / Upgrading, conversion & automation of 3 x de-alkalisation units, using the UPCORE packed bed process. Capacity 136 m ³ /h per stream. The contract also included full erection within limited shut down periods & remote data transmission facilities via modems & a landline	Chemical Treatment and Disinfection, Filtering Systems
32	USA, Texas	Dupont Chemicals Process & Wastewater	
Dairy			
33	Australia, Melbourne	Boniac Foods Demineralization & Concentration of Sweet Whey	
34	Australia, Melbourne	Murray Goulburn Co-op Demineralization & Concentration of Sweet Whey	
35	Denmark	Denmark Protein Evaporator Condensate	
36	Denmark	Nestlé Cheese Whey Concentration	
37	Ireland, Roscommon	Lakeland Co-op Demineralization & Concentration of Casein Whey	Membrane Systems
38	Ireland, Waterford	Waterford Co-op Demineralization & Concentration of Casein Whey	
39	Libya	Poultry & Dairy Farms, Ghot Sultan Site Irrigation & Drinking Water	
40	Libya	Poultry & Dairy Farms, Tauorga Site Process Water	
41	UK	Woodford Feeds Whey Protein Concentration	Membrane Systems



42	USA, California	Separation Technology Whey Protein Concentration	
43	USA, Idaho	Avonmore West Concentration of Sweet Whey	
44	USA, Iowa	AMPI Salt Whey Concentration	
45	USA, Vermont	Separation Technology Whey Protein Concentration	Membrane Systems
Food Industry			
46	Portugal, Tomar	Fabricas Mendes Boiler Feed Water	Membrane Systems, Filtering Systems, Chemical Treatment and Disinfection
47	UK, Dagenham London	Loders & Nucoline Ltd/May & Baker Ltd Food Industry Pharmaceutical / 1 x 78, 912 kg/h de-aerator 1 x stream 40 m ³ /h cation/degass/anion demineralisation for boiler feed	Ion Exchange
48	UK, London	Loders & Nucoline Ltd Food Industry / 2 x 95 m ³ /h dealkalisation, degasser & base exchange softener for boiler feed	Ion Exchange
49	UK, Silvertown	Tate & Lyle Ltd/ Sugar Refinery / 3 x 100 m ³ /h counterflow demineralisation using stratified cation/degasser, stratified anion for boiler feed	Ion Exchange
Metal Processing and Finishing			
50	Iran, Tabriz	Iran Tractor Manfg. Cy Process Water	
51	Ireland, Aughinish Island	Alumina Contractors Ltd/Preece Cardew & Ryder Ltd Aluminium Smelter - 3 x 171 m ³ /h de-alkalisation, degasser, organic scavenger, cation, anion & effluent neutralisation	
52	USA, California	Process Scientific Plating/Metal Recovery	
Metal Recovery			
53	Australia, Perth	Western Mining Process Water	
54	USA, California	Process Scientific Plating/Metal Recovery	
Mining Industry			
55	Australia, Perth	Western Mining Process Water	
56	Indonesia	Ministry of Minerals & Mines/Rhine Schelde Verolme Machinefabriek A.G. (Black & Veach) Maura Karang Power Station / 1 x 50 m ³ /h demineralisation plant & associated regeneration equipment. Low & high pressure dosing equipment. The whole plant is controlled via a sophisticated automatic water quality analyser	Ion Exchange, Chemical Treatment and Disinfection
Oil and Gas			
57	Bahrain	Bahrain National Oil Co/Caltex (UK) Ltd 2 x vertical tube coalesces, each designed to treat 210 m ³ /h of oily waste water. The plant is complete with associated pumping equipment & controls	
58	Croatia, Zagreb	INA-Naftaplin/Pritchard-Rhodes Inc Ethylene Complex / 2 x 100% duty streams producing 100m ³ /h of demineralised water. Regeneration equipment, bulk chemical storage & an effluent treatment facility is also included	Chemical Treatment and Disinfection, Ion Exchange
59	Croatia, Zagreb	INA-Naftaplin/Pritchard-Rhodes Inc Ethylene Yugoslavia / 1 x pressure deaerator with an output of 82 tonnes/h	



60	Dorset, Wytch Farm	B.P. Petroleum Developments Ltd/Foster Wheeler Energy Ltd Contract to design, engineer & 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 65 m ³ /h of dirty backwash water	DAF and FOG/SS Separation, Sludge Treatment
61	Dorset, Wytch Farm	B.P. Petroleum Developments Ltd/Foster Wheeler Energy Ltd Similar contract as above treating backwash water from sea water injection filters, using a dissolved air flotation unit & 2 centrifuges	DAF and FOG/SS Separation, Sludge Treatment
62	Ecuador	Central Ecuadorian Petroleum Corp/Kobe Steel Ltd A complete refinery effluent system, comprising 2 x Monarch CPI oil interceptors, full flow dissolved air flotation & activated sludge bio-logical treatment to treat a flow of 10 m ³ /h	DAF and FOG/SS Separation
63	Ecuador	Central Ecuadorian Petroleum Corp/Chiyoda Chemical Engineering Corp Oil Refinery / 455 m ³ /h clarification/filtration 120 m ³ /h demineralisation 270 m ³ /h cooling water filters 138 m ³ /h dissolved air flotation	DAF and FOG/SS Separation, Filtering Systems, Conventional Systems
64	Gibraltar	Gibraltar Electricity/Hawker Siddeley Power Eng. Tilted plate separator	DAF and FOG/SS Separation
65	Greece, Athens	Petrola Hellas S.A. Oil Refinery (Elefsis) / Design, engineer & supply of complete refinery effluent treatment plant, incorporating the BP effluent treatment process. Integration of the new facilities into the existing treatment units at the refinery effluent streams & ballast water	
66	India	Gas Authority of India Ltd/Esmil UPPC Petrochem / Complex MDF Effluent/Design & engineering of a complete spent caustic treatment facility	
67	India	Oil & Natural Gas Commission/Termokimik Corp, Milan, Itlay The design, procurement & supply of a plant to treat produced water at 250 m ³ /h. The plant comprises 1 induced gas flotation unit and 2 pressure cross-flow CPI's	DAF and FOG/SS Separation
68	India, Auriya	Gas Authority of India Ltd/Paramount Pollution Control Ltd Condensate Treatment / 2 x Contaminated Condensate Treatment Plants for 190 m ³ /h comprising of activated carbon filters/cation exchangers & mixed	Filtering Systems, Ion Exchange
69	India, Hazira	Paramount Pollution Ltd/Paramount Pollution Control Ltd. Hazira Refinery / Design of spent caustic oxidation control plant	
70	India, Uran	Oil & Natural Gas Commission/Engineers India Ltd Effluent plant utilising B.P. process designed to treat 700 m ³ /h of oil effluents. The plant uses CPI's & filters high rate bio- filtration & sludge dewatering	DAF and FOG/SS Separation, Sludge Treatment
71	Indonesia	Pertamina Aromatic Complex/Robert Jenkins Ltd 1 x 183 m ³ /h Monarch oil/water separator	DAF and FOG/SS Separation
72	Indonesia, Bontang	P.T. Pupik Kalimantan, Timur/Chiyoda Chemical Engineering Corp Oil Refinery / A 2-stream demineralisation plant with an output of 65 m ³ /h per stream. Each stream comprises co-flow cation & mixed bed units with a common degasser tower. The plant is complete with fully automatic regeneration equipment & effluent neutralisation	Ion Exchange
73	Indonesia, Bontang	Pertamina/Bechtel (GB) Ltd Oil Refinery / 91 m ³ /h boiler feed water demin. plant preceded by 3 x iron removal pressure filters	Filtering Systems, Membrane Systems
74	Iraq	State Company for Oil & Petroleum/A.G. Rosetti Eng. SpA Oil Refinery / 4 X 83 m ³ /h deep bed filters for oil well water flood injection	Filtering Systems
75	Iraq, Al Madain	State Organisation for Oil Projects/Hyrotechnik GmbH 1 x 140 m ³ /h dissolved air flotation system	DAF and FOG/SS Separation
76	Ireland, Dublin	Esso, Teoranta/John Paul Mechanical Ltd 1 x 120 m ³ /h Monarch CPI oil/water separator	DAF and FOG/SS Separation



77	Italy, Priolo Gargallo (Siracusa) Sicilia	ISAB Oily Waste Water	
78	Kuwait	Kuwait Nat. Petroleum Co./Japan Gas Corp Oil Refinery / Chemical injection package consisting of 4 x dosing sets for boiler feed water	Chemical Treatment and Disinfection
79	Kuwait	Kuwait Oil Co/Black Sivalis & Bryson Ltd 4 x 163 m ³ /h enhanced API type separator (coalescer)	DAF and FOG/SS Separation
80	Kuwait, Mina Al-Ahnadi	Kuwait National Petroleum Co/Abdul Aziz Yousuf Essa & Co. A CPI unit to treat 218 m ³ /h of oily water completewith treated water & oil recovery pumps4 x 163 m ³ /h enhanced API type	DAF and FOG/SS Separation
81	Libya, Ras Lanuf	Libyan National Oil Corp/Stone & Webster Ltd 1 x 1135 m ³ /h oil/water separators1 x 80 m ³ /h oil/water separators	DAF and FOG/SS Separation
82	Libya, Ras Lanuf	Libyan National Oil Corp/Stone & Webster Ltd Oil Refinery / 2 x 1, 110,000 kg/h deaerators for boiler feed	
83	Nigeria	Ashlands Oil (Nigeria) Ltd/Single Muoy Moorings UK Design for pressure separator 30 m ³ /h	
84	Nigeria, Port Harcourt	Nigerian National 17 x CPI units to treat 120 m ³ /h Petroleum CorpJapan Gas Corp oily waste water, 75 m ³ /h oily rain water & 300 m ³ /h ballast water	
85	North Sea	Arco British/Arco British Internals for CPI unit	DAF and FOG/SS Separation
86	North Sea	Atlantic Richfield/Global Engineering Ltd Three-phase separator 33 m ³ /h	DAF and FOG/SS Separation
87	North Sea, Balmoral Field	North Sea Sun Oil Co Ltd/Bechtel (GB) Ltd 1 x 346 m ³ /h Monarch Mona Cross separator& induced air flotation units	
88	North Sea, Fulmar	Shell Exploration & Production/McDermott Hudson Ltd 2 x 265 m ³ /h pressure oil/water separators	DAF and FOG/SS Separation
89	North Sea, Indefatigable Field	Shell Exploration & Production Ltd 1 x 20 m ³ /h drains separatorTilted plate separator	DAF and FOG/SS Separation
90	North Sea, Odin Field	Esso (U.K.) Ltd/McDermott Engineering Ltd Tilted plate separator	DAF and FOG/SS Separation
91	North Sea, Tern Field	Shell Exploration & Production Ltd/Humphreys & Glasgow Ltd Drains separator 50 m ³ /h	DAF and FOG/SS Separation
92	Norway, Gullfaks Offshore	Statio/Elind Offshore Oil Platform / Ultraviolet & chemical dosing equipment for disinfection of potable water	Chemical Treatment and Disinfection
93	Pakistan	Natl. Refinery Corp of Pakistan/British Petroleum PLC Media filter design & internals, control panel, valves, etc.	Filtering Systems
94	Russia, Antipinskiy	Petrofac LLC/Esmil Design, procurement & supply a plant to removeoil & dissolved salts from desalter effluent. Theplant comprises 2 x 100% identical streams, eachrated for approx. 110 m ³ /day over a 20 h period	DAF and FOG/SS Separation, Membrane Systems
95	Saudi Arabia	Samarec Petroleum/Wastewater	
96	Saudi Arabia, Jeddah	Petromin/Sete Consultants 1 x 100 m ³ /h oil/water separator	DAF and FOG/SS Separation
97	Saudi Arabia, Rabigh	Petrola International SA/Sete International SA Oil Refinery Complex / A demineralisation & condensate de-oiling plant designed to treat 300 m ³ /h of make-up water & 240 m ³ /h of condensate. A full range of automatic control & regeneration equipment is also included. The plant is fully skid mounted	Ion Exchange
98	Saudi Arabia, Rabigh	Petrola International SA/Sete International SA Oil Refinery Complex / A plant to provide chemical dosing & chlorination facilities to a desalinated potable water supply. The equipment provides for demineralisation, sterilisation & activated carbon filtration to treat a flow rate of some 300 m ³ /h	Chemical Treatment and Disinfection, Ion Exchange, Filtering Systems
99	Scotland, Flotta	Occidental Oil/Brown & Root Ltd 2 x 400 m ³ /h oil water separators	DAF and FOG/SS Separation
100	Scotland, Nigg Bay	Britoil PLC/Highland Fabricators (Wimpey/Brown & Root) 650 m ³ /h deballast/desalter waste water plantusing B.P. process	Membrane Systems



101	Thailand, Sriracha	Thai Oil Refinery / Chiyoda Chemical Engineering Corp Oil Refinery / A complete refinery process & storm water treatment plant treating 240 m ³ /h at peak flow	
102	Thailand, Sriracha	Thai Oil Refinery / Chiyoda Chemical Engineering Corp Oil Refinery / A process condensate treatment plant comprising degasser unit & 2 x 100 m ³ /h duty mixed beds, each designed to handle 20 m ³ /h of condensate. Fully automatic Regeneration equipment, bulk chemical storage & effluent neutralisation are also included	Ion Exchange, Chemical Treatment and Disinfection
103	UAE, Abu Dhabi	Abu Dhabi National Oil Corp./M W Kellogg Ltd Oil Refinery (Umm Al Nar) / Spent caustic oxidation systems including 1 packed tower & 3 iron removal pressure filters	Filtering Systems
104	UAE, Abu Dhabi	Abu Dhabi Natl. Oil Monarch/Corp./Fluor (GB) Ltd Suspended solids removal using oil/waterseparators	DAF and FOG/SS Separation
105	UAE, Abu Dhabi, Thamamma	Abu Dhabi National Oil Co./Fluor (GB) Ltd. Oil Refinery / 2 x 330,000 kg/h tray type de-aerators for boiler feed	Membrane Systems, Filtering Systems, Chemical Treatment and Disinfection
106	UK, Aldermaston	British Pipeline Agency/British Pipeline Agency 2 x 120 m ³ /h oil/water separators	DAF and FOG/SS Separation
107	UK, Coryton	Mobile Oil (UK) Ltd/M.W. Kellogg Ltd Oil Refinery / 2 x 154,000 kg/h deaerators for boiler feed	
108	UK, Easington	British Gas Corp/Stone & Webster Ltd Tilted plate separator	DAF and FOG/SS Separation
109	UK, Grangemouth	B.P. Trading Ltd/Davy McKee Ltd 1 x atmospheric tilted plate oil/water separator	DAF and FOG/SS Separation
110	UK, Llandarcy	British Petroleum PLC/C.H. Dobbie & Ptnrs Desalter waste water 2 x 40 m ³ /h oil separators followed by dissolved air flotation 2 x 120 m ³ /h oil/water separators	DAF and FOG/SS Separation
111	UK, Nottingham	Powergen/John Brown Engineering Ltd Ratcliffe Power Station / Process design overview for the FGD waste water treatment plant	
112	UK, Stanlow	Shell UK Oil Ltd/M W Kellogg Ltd 3 x corrugated plate interceptor units designed to treat 140 m ³ /h of oily waste water	DAF and FOG/SS Separation
113	UK, Wolverhampton	Tyrolysis Ltd Foster Wheeler Power/Products Ltd 1 x 76 m ³ /h Monarch Mona Cross CIP oil/waterseparator	DAF and FOG/SS Separation
114	USA, Utah	Pacific Gas & Electric Produced Water from Methane Gas Wells	
Pharmaceutical			
115	Belgium, Antwerp	Solvay Pharmaceutical	
116	Denmark	Pharmacosmos Water for Injection Pharmaceutical	
117	India, Gandhar	India Petrochemicals/Paramount Pollution Control Ltd IPCL Gandhar / 3 x 150 m ³ /h demineralisation streams comprising of dual media filters/weak acid cation strong acid cation/degassers/ weak anion/strong anion & mixed bed polishers. System is controlled by latest SCADA control including DCS	Filtering Systems, Ion Exchange
118	Switzerland	Sandoz Pharmaceutical Wastewater Reclamation	
119	UK, Macclesfield	ICI Pharmaceuticals Ltd Pharmaceutical Factory / A consultancy contract to provide advice on improvements to a purified water distribution facility	
120	UK, Macclesfield	ICI Pharmaceuticals Ltd/Costain Petrocarbon Ltd Pharmaceutical Factory / 15 m ³ /h purified water. B.P. System with 2 x streams demineralisation & Membrane filtration with storage & distribution	Membrane Systems, Ion Exchange
Power Plants			
121	Botswana, Morupule	Botswana Power Corp/Esmil Power Station / Refurbishment of boiler feed water treatment plant	Boiler Feed Production
122	Botswana, Morupule	Botswana Power Corp/Kennedy & Donkin Power Station / 144 m ³ /h filtration; 2 x 45 m ³ /h demineralisation, comprising cation/degasser/anion/mixed bed	Ion Exchange



123	Iraq, Al Mussaib	S.O.E. Iraq/Hyundai Power Station/Treatment for 100 m ³ /h of power station waste water comprising of oil removal by VTC/pH adjustment/coagulation/sedi- mentation filtration & sludge dewatering	DAF and FOG/SS Separation, Sludge Treatment
124	UK, Nottingham	Powergen/John Brown Engineering Ltd Ratcliffe Power Station / Process design overview for the FGD waste water treatment plant	
125	USA, Colorado	Fort St Vrain Colloidal Iron Removal	
126	Zimbabwe, Wankie	Electricity Supply Commission/Merz & McLellan Power Station / 1 x 402 m ³ /h clarification/filtration 2 x 180 m ³ /h cation/degas/anion/mixed bed 1 x 180 m ³ /h condensate polisher HP & LP boiler chemical dosing equipment	Chemical Treatment and Disinfection, Ion Exchange, Filtering Systems, Conventional,
127	Zimbabwe, Wankie	Zimbabwe Electricity Supply Authority/Esmil Hwange Power Station / Complete refurbishment of the pre-treatment & demineralisation boiler feed plant , including installation of new PLC systems	Conventional, Chemical Treatment and Disinfection, Ion Exchange
Protein / Whey Concentration			
128	Australia, Melbourne	Boniac Foods Demineralization & Concentration of Sweet Whey	
129	Australia, Melbourne	Murray Goulburn Co-op Demineralization & Concentration of Sweet Whey	
130	Denmark	Denmark Protein Evaporator Condensate	
131	Denmark	Nestlé Cheese Whey Concentration	
132	Ireland	Shannonside Co-op Demineralization & Concentration of Casein Whey	
133	Ireland, Roscommon	Lakeland Co-op Demineralization & Concentration of Casein Whey	Membrane Systems
134	Ireland, Waterford	Waterford Co-op Demineralization & Concentration of Casein Whey	
135	UK	Woodford Feeds Whey Protein Concentration	Membrane Systems
136	USA, California	Separation Technology Whey Protein Concentration	
137	USA, Idaho	Avonmore West Concentration of Sweet Whey	
138	USA, Iowa	AMPI Salt Whey Concentration	
139	USA, Vermont	Separation Technology Whey Protein Concentration	Membrane Systems
Pulp and Paper			
140	Korea	Hansol Paper Process Wastewater	
141	UK, Dartford	Wiggins Teape Limited Paper Mill/Effluent coagulation tank & chemical dosing set	Chemical Treatment and Disinfection
142	UK, High Wycombe	Wiggins Teape Photographic Papers Ltd Paper Mill (Glory Mill) / A design, engineering & construction management contract to provide an integrated sludge treatment plant with a capacity of 65 m ³ /h	Sludge Treatment
Rain Water Treatment			
143	Nigeria, Port Harcourt	Nigerian National 17 x CPI units to treat 120 m ³ /h Petroleum Corp/Japan Gas Corp oily waste water, 75 m ³ /h oily rain water & 300 m ³ /h ballast water	
144	Thailand, Sriracha	Thai Oil Refinery / Chiyoda Chemical Engineering Corp Oil Refinery / A complete refinery process & storm water treatment plant treating 240 m ³ /h at peak flow	
River Water Treatment			
145	Korea, Seoul	Samsung Construction Ltd/Korea Engineering Co Ltd A raw water clarifier designed to treat 190 m ³ /h of river water	Conventional



146	Norway, Vennesla	Vennesla Kommune Lake Water Colour Removal	
Seawater Treatment			
147	France, St. Nazaire	Holland America Line chantiers de Atlantique for Cruise Ships Drinking Water from Seawater	Filtering Systems, Membrane Systems, Chemical Treatment and Disinfection
148	Portugal, Porto Sando Island	Regional Government of Madeira Drinking Water from Seawater	Membrane Systems, Filtering Systems, Chemical Treatment and Disinfection
149	Saudi Arabia, Rabigh	Petrola International SA/Sete International SA Oil Refinery Complex / A plant to provide chemical dosing & chlorination facilities to a desalinated potable water supply. The equipment provides for demineralisation, sterilisation & activated carbon filtration to treat a flow rate of some 300 m ³ /h	Chemical Treatment and Disinfection, Ion Exchange, Filtering Systems
150	Singapore	Far East Levingston Shipbuilding Ltd Drinking Water from Seawater for Jack-Up Platform	
Softening and Demineralisation			
151	Croatia, Zagreb	INA-Naftapljin/Pritchard-Rhodes Inc Ethylene Complex / 2 x 100% duty streams producing 100m ³ /h of demineralised water. Regeneration equipment, bulk chemical storage & an effluent treatment facility is also included	Chemical Treatment and Disinfection, Ion Exchange
152	Cyprus	Zemco Ltd/Costas V Philippou 4 x automatic base exchange softeners	Ion Exchange
153	Ecuador	Central Equadorian Petroleum Corp/Chiyoda Chemical Engineering Corp Oil Refinery / 455 m ³ /h clarification/filtration 120 m ³ /h demineralisation 270 m ³ /h cooling water filters 138 m ³ /h dissolved air flotation	DAF and FOG/SS Separation, Filtering Systems, Conventional Systems
154	India, Gandhar	India Petrochemicals/Paramount Pollution Control Ltd IPCL Gandhar / 3 x 150 m ³ /h demineralisation streams comprising of dual media filters/weak acid cation strong acid cation/degassers/ weak anion/strong anion & mixed bed polishers. System is controlled by latest SCADA control including DCS	Filtering Systems, Ion Exchange
155	Indonesia	Dow Corning Corp/Babcock Woodall Ltd 14 m ³ /h base exchange softener	Ion Exchange
156	Ireland	Shannonside Co-op Demineralization & Concentration of Casein Whey	
157	Korea	Korea Engineering Ltd Process Water / Internals & design package for conversion of demineralisation unit to UPCORE op.	Ion Exchange
158	Korea	Korea Fertilizer Waste Water	
159	Libya	Poultry & Dairy Farms, Ghot Sultan Site Irrigation & Drinking Water	
160	Libya	Poultry & Dairy Farms, Tauorga Site Process Water	
161	Saudi Arabia	Majama'ah Potable Water	
162	Scotland, Livingston	NEC (Semiconductors) Ltd/Amec Projects Ltd Semiconductor Facility / 2 x streams each 40 m ³ /h filtration/reverse osmosis/demineralisation/ mixed bed polishing/ultra filtration, producing 18 megohm water for silicon chip manufacture	Membrane Systems, Ion Exchange
163	Thailand	Nobel Explosives/Tate & Lyle Agri-Business Ltd Explosives Factory / 1 x clarifier & 3 x rapid gravity filters designed to produce 215 m ³ /h of potable quality water, complete with chemical dosing & sludge handling equipment. 1 x fully automatic base exchange unit designed to produce 25 m ³ /h of boiler feed water	Conventional, Filtering Systems
164	UK, Barrow-in-Furness	Vickers Shipbuilding & Eng./Matthew Hall Ltd Submarine Servicing / 2 x 15 m ³ /h mixed bed demineralisers & associated pre- treatment plant	Ion Exchange, Filtering Systems, DAF and FOG/SS Separation



165	UK, Immingham	Norsk Hydro Fertilisers Ltd/Davy McKee (London) Ltd Fertiliser Factory / A single stream demineralisation plant incorporating split flow cation & anion units with an output of 74 m ³ /h	Ion Exchange
166	UK, London	British Rail Engineering Ltd/British Rail Engineering Ltd 1 x 8.6 m ³ /h automatic base exchange softener	Ion Exchange
167	USA, Texas	Culligan Municipal/Potable Water	
Tap Water Production			
168	USA, California	Harris Water Commercial/Potable Water	
Textile, Dyes and Laundries			
169	Spain	Sandoz Chemicals Dye Concentration	Membrane Systems
170	USA, North Carolina	Hoechst Celanese Textile Plant Process Water	
Ultra Pure Water Production			
171	Belgium, Antwerp	Solvay Pharmaceutical	
172	Denmark	Pharmacosmos Water for Injection Pharmaceutical	
173	Germany, Hamburg	Valvo, Hamburg Process Water	
174	Japan	Mitsubishi Ultrapure Water	
175	Korea, Seoul	Samsung Construction Ltd/Korea Engineering Co Ltd - A raw water clarifier designed to treat 190 m ³ /h of river water	Conventional
176	Scotland, Livingston	NEC (Semiconductors) Ltd/Amec Projects Ltd Semiconductor Facility / 2 x streams each 40 m ³ /h filtration/reverse osmosis/demineralisation/ mixed bed polishing/ultra filtration, producing 18 megohm water for silicon chip manufacture	Membrane Systems, Ion Exchange
177	UK	NEC Livingston Process Water / Microelectronics 18M ohm	
178	UK, Macclesfield	ICI Pharmaceuticals Ltd/Costain Petrocarbon Ltd Pharmaceutical Factory / 15 m ³ /h purified water. B.P. System with 2 x streams demineralisation & Membrane filtration with storage & distribution	Membrane Systems, Ion Exchange
179	USA, Arizona	Revlon Water for Injection	Membrane Systems
180	USA, California	Ionics Electronics Ultrapure Water Loops	Membrane Systems
181	USA, North Carolina	Media Technology Post D.I. Polishing	Membrane Systems
182	USA, Texas	Texas Instruments Ultrapure Water	
Wood Processing and Panel Board Production			
183	Austria, Hallein	Binder-Holz GmbH/Monsanto MDF Effluent / Turnkey project for treatment & recovery of & Waste Water highly contaminated waste stream. Treatment comprised of flocculation/dewatering/multi-media filtration/membrane treatment & activated carbon filtration to reduce COD from 24,000 mg/l to less than 100 mg/l	DAF and FOG/SS Separation, Filtering Systems, Membrane Systems, Sludge Treatment
184	France, Sedan	Unilin SA Wood Pulp Effluent Treatment	
185	France, Sedan	Unilin SA II MDF Effluent & Waste Water Treatment / Phase Two	
186	France, Sedan	Unilin SA/Esmil MDF Effluent & Waste Water Treatment / Turnkey project for treatment & recovery of highly contaminated waste stream. Treatment comprised of flocculation/dewatering/ multi-media filtration/membrane treatment & activated carbon filtration to reduce COD from 24,000 mg/l to less than 100 mg/l	Chemical Treatment and Disinfection, Sludge Treatment, Filtering Systems



187	Germany, Lampertswalde	Kronospan GmbH Wood Pulp Effluent Treatment	
188	Germany, Lampertswalde	Kronospan GmbH/Esmil MDF Effluent & Waste Water Treatment / Turnkey project for treatment & recovery of highly contaminated waste stream. Treatment as for the Binder-Holz plant above	Sludge Treatment, Membrane Systems, Filtering Systems
189	Luxembourg, Sanem	Kronospan Sanem et Cie/Esmil MDF Effluent & Waste Water / Turnkey project for treatment & recovery of highly contaminated waste stream. Zero Discharge Process	Membrane Systems, Sludge Treatment, Chemical Treatment and Disinfection, Filtering Systems
190	Poland, Elblag	Kronospan Sp. Z.o.o. Wood Pulp Effluent Treatment	
191	Poland, Elblag	Kronospan Sp. Z.o.o./Esmil MDF Effluent & Waste Water Treatment / Turnkey project for treatment & recovery of highly contaminated waste stream	
192	Scotland UK, Stirling	CSC Forest Products Ltd/Esmil Zero Discharge process for MDF Effluent & Waste Water / Turnkey project for treatment & recovery of highly contaminated waste stream	
193	Spain	FINSA/Esmil MDF Effluent & Waste Water Treatment / Initially design & supply of 400 m ³ /day pre-treatment plant utilising chemical dosing & filter press	Sludge Treatment, Chemical Treatment and Disinfection
194	Spain	Interpanel SA/Esmil MDF Effluent & Waste Water Treatment / Design & engineering of 200 m ³ /day filtration & double-pass membrane plant	Sludge Treatment, Membrane Systems
195	UK, Chirk	Kronospan Ltd Wood Pulp Effluent Treatment Zero Discharge process	
196	UK, Wrexham	Kronospan Ltd/Esmil MDF Effluent & Waste Water Treatment / 2nd Plant at Kronospan, Wrexham as per above	Sludge Treatment, Chemical Treatment and Disinfection, Filtering Systems, Membrane Systems
197	UK, Wrexham	Kronospan Ltd/Esmil MDF Effluent & Waste Water Treatment / Turnkey project for treatment & recovery of highly contaminated waste stream. Treatment comprised of flocculation/dewatering/multi-media filtration/membrane treatment & activated carbon filtration to reduce COD from 24,000 mg/l to less than 100 mg/l	Sludge Treatment, Chemical Treatment and Disinfection, Filtering Systems, Membrane Systems
Zero Discharge Process			
198	Luxembourg, Sanem	Kronospan Sanem et Cie/Esmil MDF Effluent & Waste Water / Turnkey project for treatment & recovery of highly contaminated waste stream. Zero Discharge Process	Membrane Systems, Sludge Treatment, Chemical Treatment and Disinfection, Filtering Systems
199	UK, Chirk	Kronospan Ltd Wood Pulp Effluent Treatment Zero Discharge process	
Other Industries			
200	Iraq, Basrah	Basrah Process Water	
201	Iraq, Kerbala	Kerbala Process Water	
202	Iraq, Najaf	Najaf Process Water	
203	Italy, Biella	Separem SPA Wastewater Treatment	
204	Japan	Kurita Process Water	
205	USA, Michigan	General Motors Wastewater	
206	USA, Minnesota	Separation Technology BOD Reduction of UF Permeate	Membrane Systems
207	USA, South Dakota	Separation Technology BOD Reduction of UF Permeate	