

WASTE WATER TREATMENT PARTIAL REFERENCE LIST

| CLIENT | USER | OUTPUT (m ³ /h) | PLANT | YEAR |
|---------------------|-----------------------|-------------------------------|---|------|
| Scottish Courage | Reading Brewery | 140 | Redesign of De-alk's | 2004 |
| Scottish Power | Longannet P.S. | 200 | Effluent sump Regen & Ion Exchange Vessels bund | 2004 |
| Ametis | Coca Cola (Mauritius) | 20 | Reverse Osmosis | 2004 |
| Ametis | Angola | 6 | Reverse Osmosis | 2004 |
| Scottish Courage | Reading Brewery | 410 | De-alk modifications | 2004 |
| Ametis | Beverage Plant | 48 | Mixed Bed modifications | 2004 |
| Scottish Courage | Reading Brewery | 220 | Temporary dosing systems | 2004 |
| Scottish Courage | Reading Brewery | 110 | Demin modifications | 2004 |
| Ametis | Beverage Plant | 48 | Replacement vessel | 2004 |
| Dartington Property | University Supply | 150 | Redesign of Filters | 2004 |
| Scottish Courage | Reading Brewery | 400 | Automatic chemical dosing | 2005 |
| Shell | Stanlow Refinery | 500 | Replacement degasser towers | 2005 |
| Dalkia | Scottish & Newcastle | 140 | Mobile reverse osmosis | 2005 |
| Dalkia | Scottish & Newcastle | 140 | 2 nd Mobile reverse osmosis | 2005 |
| Shell | Stanlow Refinery | 80 | Chemical Pre-treatment Filters & Two Pass Reverse Osmosis | 2005 |
| Corus | Lackenby | 600 | Cooling Water Circuit MMF Filtration Refurbishment | 2006 |
| Dalkia | Scottish & Newcastle | | Cooling Water Circuit C&I Modifications | 2006 |
| Tate & Lyle | Greenwich | 5 | High Purity NOx suppression Demin | 2006 |

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| Dalkia | Scottish & Newcastle | 280 | Extension of Mobile reverse osmosis contract for further 18 months | 2006 - 2011 |
| British Energy | Hartlepool Power | 3200 | Major CPP Refurbishment Mechanical/Electrical/C&I | 2006 - 2012 |
| Shell Oil | Pearl GTL Qatar Refinery | 25 | Containerised Pre-treatment Filters Reverse Osmosis – Mixed Bed Polishers | 2007 |
| Total Oil | Gonfreville Refinery France | 180 | Condensate Filters | 2007 |
| Corus | Lackenby | 80 | CCR Packed Bed Ion Exchange Demin | 2008 |
| Scottish & Southern Energy | Weston Point CHP | 141 | Process Condensate Return Mixed Bed Demin Refurbishment | 2008 |
| Corus | Port Talbot | 280 | Condensate Return Mixed Bed Demin Refurbishment | 2008 |
| British Energy | Hartlepool Power | 3200 | Design study to optimise externally regenerated CPP Mixed Bed plant (operation and regeneration process) | 2008 - current |
| Siemens | Severn Power | 16 | Design build install & commission Pre-Treatment RO & Mixed Bed Make up Plant | 2008 |
| Siemens | Severn Power | 880 | Design build install & commission Full-Flow Condensate Polishing (external regeneration) | 2008 - current |
| Coors | Burton Brewery | 200 | Design build install & commission Reverse Osmosis plant | 2009 |
| RWE | Fawley | 340 | Cation & Anion Vessel repairs, valve and frontal manifold replacement | 2009 |
| RWE | Bridgewater Paper CHP | 80 | Cation Vessel refurbishment | 2009 |
| Scottish & Southern Energy | Keadby | 40 | Re-design of Cation Vessel Internals | 2009 |

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| British Energy | Hinkley Point | 2800 | Design & Build of Caustic Pumped Regeneration System | 2009 |
| RWE | Aberthawe | 1800 | Design and Install internals for Cation & Anion Regenerator Vessels and Mixed Bed Operator | 2009 |
| British Energy | Heysham 1 | 3200 | Various refurbishments to MUWTP and CPP | 2009 |
| Corus | Port Talbot | 150 | MUWTP Refurbishment and Optimisation (Cation, Anion, Mixed Bed) | 2009 - current |
| British Energy | Hinkley Point | 2800 | Design & Build of Acid Pumped Regeneration System | 2010 |
| Scottish & Southern Energy | Keadby | 40 | Supply and Installation of redesigned Cation Vessel Internals | 2010 |
| Aker Solutions | Tullis Russell | 75 | Design, Build Install & Commission MUWTP and CPP for RWE CHP Plant | 2010 - current |
| Scottish & Southern Energy | Fife Power Station | 35 | Conceptual Design of MUWTP | 2010 |
| Scottish & Southern Energy | Slough Heat & Power | 70 | Supply and install of Caustic Bulk and Measure Tanks | 2010 |
| RWE | Fawley | 340 | Cation & Mixed Bed Vessel repairs, valve and frontal manifold replacement | 2010 |
| British Energy | Hartlepool | 3200 | Design Pumped Regeneration System for MUWTP and CPP | 2010 - 2013 |
| Scottish & Southern Energy | Slough Heat & Power | 120 | Supply and Installation of Bulk Caustic Tank | 2010 |
| EDF | West Burton | 200 | Supply and Installation of RO Membranes | 2010 |
| Siemens | Severn Power | | Ammoniated Effluent Handling System | 2011 |
| E.On | Connah's Quay | 90 | Demin Water Treatment Plant Refurbishment | 2011-2012 |
| Shell | Qatar | 25 | Modification of Containerised Lagoon Water Treatment Plant | 2011 |
| Sahaviriya Steel Industries | Teesside | 2700 | Varivoid Filter Refurbishment | 2011 |

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| Coors | Burton Brewery | 200 | Service Contract for RO Plants | 2011 |
| Essar Oil | Stanlow Refinery | 80 | Replacement RO Membranes | 2011 |
| Tullis Russell | Glenrothes | 120 | Demin Plant Service Contract | 2011 |
| EDF | Heysham 1 | | Control Modifications | 2011 |
| Scottish & Southern Energy | Keadby | 40 | Sodium Hypochlorite Dosing System | 2012 |
| E.On | Connah's Quay | 90 | WTP Service Contract | 2011 |
| KBR | Shah Deniz | 100 | Containerised Potable Water Treatment Plant | 2012 |
| Centrica | Kings Lynn PS | 120 | Mothballing of Demin Water Treatment Plant | 2012 |
| Polimeri Europa | Southampton | 90 | Demin Water Treatment Plant Service Contract | 2012 |
| EDF | Heysham 1 | 120 | WTP PLC Replacement | 2012 |
| Tata Steel | Port Talbot | 400 | CPP Resin replacement and Refurbishment Works | 2012 |
| Tullis Russell | Glenrothes | 120 | Demin Plant Resin Replacement and Refurbishment | 2012 |
| Nuwater | Ghana | 250 | Containerised RO Plant | 2012 |
| EDF | Hartlepool PS | 3200 | New Control Panel/HMI/SOV boxes and Commissioning of Refurbished CPP | 2012 |
| EDF | West Burton | 200 | Service & CIP & Membrane replacement of River Water RO | 2013 |
| Magnox | Oldbury PS | | Pond Water Demin Pumped Regen system | 2013 |
| Essar Oils | Stanlow | 100 | New Valveless Gravity Filter on CT sidestream | 2013 |
| Dura Felguera | Carrington CCGT | 20 | Domestic Wastewater Treatment Plant | 2013 |
| EDF | Heysham A | 70 | Control Panel overhaul | 2013 |
| SSI Steel | Redcar | 500 | Refurbishment of Quench Water Cooling Water Filtration System | 2013 |
| RWE | Pembroke | 800 | Engineering Plant Survey for new CPP | 2014 |

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| EDF | Heysham A & B | 70 | Temporary Sodium Bisulphite Dosing for Chlorine Reduction of MUWTP potable supply | 2014 |
| EDF | Hunterston | | Sodium Hypochlorite Chlorination of Seawater CW intake system | 2014 |
| Cabot Carbon | Glasgow | 140 | New Effluent Treatment plant. Continuous pH moderation and discharge | 2014 |
| EDF | Hartlepool PS | | New Sodium Hypochlorite Dosing (4 streams) for Seawater Cooling intake system | 2014 |
| Molson Coors | Burton | 200 | Overhaul and Servicing of RO System | 2014 |
| EDF | Hartlepool | 120 | Bulk Chemical tank cleans for MUWTP | 2014 |
| Pinguin Foods | Kings Lynn | | Food factory effluent waste washwater treatment and Recovery System Design study | 2014 |
| Humber Power | Immingham | 400 | Refurbishment of IX MUWTP Plant | 2014 |
| E.on | Ratcliffe PS | 120 | IX Resin supply | 2015 |
| Total Petrochemicals | Gonfreville France | 100 | Filter Media replacement and system operation review | 2015 |
| Scottish Power | Longannet | 120 | IX resin review and replacement | 2015 |
| Toyota Cars | Derby | 70 | New IX Demin system and Effluent treatment | 2015 |
| EDF | Heysham B | 50 | Sodium Bisulphite Dosing for Dechlorination of Potable water supply to MUWTP | 2015 |
| RWE | Littlebrook PS | | Decommissioning activity | 2015 |
| Tata Steel | Port Talbot | 140 | Media Filtration Plant replacement and refurbishment | 2015 |
| RWE | Hythe CHP PS | 20 | New RO system | 2015 |
| CCS | India | 2 | Design only of Specialist IX removal for Effluent treatment | 2016 |
| Tata Steel | Port Talbot | 360 | CPP MB Refurbishment | 2016 |

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| Chinook Sciences | Oldbury | 20 | Sidestream CPP of EFW power Generation plant & MUWTP upgrade | 2016 |
| BOC | Seal Sands | 30 | Regenerable IX Demin Polishing of influent RO permeate stream | 2016 |
| Lynemouth PS | Ashington | 30/120 | New MUWTP IX Demin plant and refurbishment of CPP | 2016 |
| EDF Energy | Heysham | | Membrane Degasser Design | 2016 |
| Uniper (E.on) | Kemsley Mill CHP | 120 | MUWTP Plant study | 2016 |
| SSE | Slough CHP | 30 | RO system and membrane review/replacement | 2016 |
| RWE | Staythorpe | | CPP Chemical dosing system Mods & Chemical supply | 2016 |
| Marchwood PS | Marchwood | | CPP Chemical dosing system Mods & Chemical supply | 2016 |
| Horizon | WILFA | | Raw water review and plant options to treat said raw water in readiness to new nuclear build | 2017 |
| ESB | Coolkeeragh | | Cetamine G851 & Equipment for aux boiler | 2017 |
| Marchwood PS | Marchwood | | Trial Kurita G820 for aux boiler | 2017 |
| DOW Corning | Barry | 120 | Phase 1 Complex Tie Ins to new plant | 2017 |
| BOC Gasses | BOC | 30 | 2 Year service contract | 2017 |
| BOC Gasses | BOC | 30 | Demin Plant | 2017 |
| Centrica PS | Kings Lynn | 150 | Major Demin Plant Refurb and upgrade | 2017 |
| Dow Chemicals | Barry | 400 | Feasibility Study new demin polishers | 2017 |

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| ESB | Coolkeeragh PS | | Cetamine G851 Trial HRSG | 2017 |
| GE Water | Peterborough | | Feed Study for new plant | 2017 |
| Anglian Water | Hartlepool | 400 | RO Membrane ECO PRO400 X 100 | 2017 |
| Lynemouth PS | Lynemouth | 120 | Refurbishment and upgrade | 2017 |

References highlighted in yellow denotes Nuclear Site experiences