



Contract Reference

August 2010

The following is a selection of high integrity projects undertaken.

Power Generation

Thermal	Client	Value
10E Ball mill loading equipment replacement	Drax Power	£20K
10E Ball mill loading equipment automation	Mitsui Babcock	£570K
10E Ball mill loading equipment automation	Ferrybridge Power Station/Mitsui	£220K
10E Ball mill loading equipment	National Thermal India	£28K
10E Ball mill loading equipment replacement	Didcot Power Station	£170K
10E Ball mill loading equipment, refurbishment/automation	Cockenzie Power Station	£180K
10E Ball mill loading equipment supply	Budge/Budge Power Station	£ 80K
10E Compac Ball mill loading equipment	Green Island Cement Hong Kong	£23K
CW Circulating Water 108" discharge valve automation 4 off	Ferrybridge Power Station	£95K
CW Circulating Water 66" discharge valve automation 6 off	Glenfield/Cockenzie Power Station	£120K
CW Circulating Water 108" discharge valve automation 4 off	Ratcliffe Power Station	£100K
CW Circulating Water discharge valve automation CW	Didcot A	£ 60K
Condensate 18" Valve Actuators	Ratcliffe Power Station	£ 80K
DA Bled Steam Valve Actuators	Ferrybridge Power Station	£ 80K
Coal Feeder Bunker gate automation & overhaul	Ratcliffe Power Station	£120K
	Aberthaw Power Station	
Boiler damper actuators and control replacement Ironbridge	Eggborough PS Etc	£185K
Control Panels	Ironbridge Power Station	£186K
Quick closing bled steam valve Failsafe Actuation	Ferrybridge Power Station	£86K
Turbine Lubrication equipment	GE Energy Canada	£14K
Oil transfer and filtration equipment	GE Energy Canada	£11K
Refurbishment		
Hydro		
Dam Outlet Gate for 100MW SSE Glendoe Hydro	EESL	£30K
Pumped storage 100MW Servos and 45 kw pumping sets	Alstom Cruachan	£500K
Lubrication, Jacking & Braking	Many locations	£360K
MIV Maintenance seal automation equipment	GE Energy, Alstom	
HP & LP Systems	Various Scottish Power	
Cooling equipment	Various Scottish & Southern Energy	
Wicket gate, Runner Blade & Guide Vanes equipment		
Dam Scour equipment		
Intake gates 11,600mm Hirakud India penstock automation	Alstom Power	£136K
Nuclear		
Feed-water trip valve	Hinkley point B Power station	£180K
Feed-water trip valve	Hunterston B Power station	£180K
MIV	Hinkley point B Power station	£56K
Surge penstocks	GE B&V Heysham	£52K
CW discharge	Wylfa PS	£64K
Main and auxiliary CW	British Energy Dungeness	£56K
Turbine Seal oil system	British Energy Dungeness	£24K
Over speed slow down Valves	United States Power Stations	£124K
Waste to Energy		
Incineration plant installation Stoke-on-Trent	CNIM	£48K
Servicing & Fault finding on others/obsolete equipment		

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Wind to energy Power Conversion

Cooling equipment	Converteam- Siemens	£490K
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Water Control & Sewage Treatment

Project	Client	Value
Effluent control system at Strensham WWTW	Severn Trent Water	£268k
London Underground Jubilee line Flood Elevation System	Thames Water	£136k
Rotating bar interceptor & Distributor drives for	Biwater Treatment over 50 locations	£400k
Dirt removal screens	Three Star environmental	£12k
Portable valve actuation equipment	Thames Water	various
Low Noise Portable valve actuation equipment	Thames Water	£24k

High Integrity-Failsafe Hydraulic Actuator & Power Unit Projects

Mersey Estuary Pollution Elevation Scheme MEPAS	Miller Construction	£238k
Fylde coast Pollution Elevation Scheme	Entire project automation of 14 penstocks Clayton & Co.	
Emergency failsafe Inlet Bypass Penstock	8 penstocks hydraulic Yorkshire Water Esholt WTW	£126k £26k
Emergency failsafe Inlet penstock system Zone 2	Welsh Water Swansea WTW	£16k
Emergency failsafe Inlet penstock system Zone 2	Welsh Water Broomfield Bank	£15k
Emergency failsafe Inlet penstock system	Eastbourne WTW	£14K
Emergency failsafe Inlet penstock system Zone 2	Dover STW	£16K
Emergency failsafe penstock system Zone 2	United Utilities Fleetwood STW	£28K
Emergency failsafe penstock Duty Standby system	Intovalve Cleethorpes STW	£16K
Failsafe penstock systems	Abbey Mill STW	£26k
Failsafe penstock systems	Ham Baker DeHWA	£18k
Self contained Failsafe penstock system	United Utilities Alderley Edge	£12K
Self contained Failsafe penstock systems	Welsh Water Pontiscill WTW	£28K
Failsafe penstock system	James Scott/Southern Water	£52K

Biwater Man Lee Hong Kong:-

2off 2200mm x 2200mm deep Penstock Stainless Steel	Watson Hawksley HK	£32k
2off 1500mm square Penstock -Hazardous area	Mott MacDonald HK	£18k
1off 2100mm square Penstock- Submersed Zone 2	Mott MacDonald HK	£28k
1off 1800mm square Penstock- Submersed Zone 2	Drainage Services Dept HK	£18k
1off 1800mm Emergency failsafe Penstock	Maunsell HK	£46k

Trident Submarine Vanguard Emergency failsafe actuators	MOD, BAE system Devonport	£124k
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Rivers, Lock and Marina gates

Dock gate automation of Garvel-James Watt Garvel dock	EESL	£150k
Lock gate automation projects River Thames	Environment Agency	£240k
Weir & sluice equipment, Bude, Peplow	Alstom Power	£168k
Sector gates at Kilrush marina	Sir William Arrol	£68k
Lock gates system at:-		
Maidenhead	Kvaerner Boving	£76k
Glasson Dock	GE Energy	£36k
Radial Gate at Kiora Stanstead	Environment Agency	£64k
Barking Barrage	Alstom	£32k

Industrial Machines

Rock drilling equipment	Royal Boskalis Westminster	£200k
Manipulation automation equipment	Pipeline Induction Heat	£220k