

Document Title	Project Experience - Terminals, AGI & Storage		
Prepared By	M.Danter	Doc Ref:	F07-01-01
Approved By	R. Graham	Rev. Date	Rev.01 - 14/11/08

Terminals, AGI & Storage Projects



RESPONSIBILITIES

Country	Client and / or Project	Fluid type	1	2	3	4	5	6	7	8	9	10
			Reports, Surveys and Studies	Spec's and Bid Documents	Detailed Design	Bid Adjudication	Design Verification	Project Management	Quality Surveillance	Site Supervision	Supervision of Commissioning	Training
UK	National Grid Gas Gate keeper for the NGG key drawings	Gas						✓	✓			
UK	Manx Electricity Authority, IOM. 147 bar to 70 bar pressure reduction station to supply the island.	Gas				✓		✓	✓	✓	✓	
UK	Total Conceptual design for the Pipeline receipt terminal at Buncefield	Multi- Product		✓	✓	✓		✓	✓			
Bahrain	Air BP Electrical and instrumentation design for a new airport receipt terminal in Bahrain	Aviation		✓	✓							
UK	Total Framework agreement for engineering support on the fuel storage and distribution depot at WOSL, KRL and Nottingham	Multi- Product	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
UK	Chevron Engineering design for Ethanol blending of motorspirit and Cardiff & Kingsbury	Multi- Product		✓	✓	✓	✓	✓				
UK	Biofuels Corp FMEA for the Biofuels plant at Teesside	Biodiesel	✓									
UK	CPI Project management of a Pilot Biofuels plant.	Biodiesel	✓	✓	✓			✓				

Document Title	Project Experience - Pressure Reduction & Compression		
Prepared By	M.Danter	Doc Ref:	F07-01-02
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Pressure Reduction & Compression



quality & engineering management services



RESPONSIBILITIES

Country	Client and / or Project	Fluid type	1	2	3	4	5	6	7	8	9	10
			Reports, Surveys and Studies	Spec's and Bid Documents	Detailed Design	Bid Adjudication	Design Verification	Project Management	Quality Surveillance	Site Supervision	Supervision of Commissioning	Training
UK	Transco Compressor Sites. Various Projects for upgrades to compressors, including fuel gas metering. Plant modifications.	Gas	✓	✓	✓	✓		✓	✓	✓	✓	
UK	Manx Electricity Authority, IOM. 140bar to 70 bar pressure reduction station for supply to islands only gas CCGT	Gas				✓		✓	✓	✓	✓	
UK	BGE - UK Stabbing Replacement Project Management and Quality Management of all 1" stabbing replacements on all carrier pipes on 4 compressor	Gas	✓	✓				✓	✓	✓	✓	

Document Title	Project Experience - Pipeline		
Prepared By	M.Danter	Doc Ref:	F07-01-03
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Pipeline



RESPONSIBILITIES

Country	Client and / or Project	Diameter (inches)	Length (km)	No. AGI	Fluid type	RESPONSIBILITIES										
						1	2	3	4	5	6	7	8	9	10	
UK	National Grid Transco Project Management, Engineering, Environmental and Health & Safety for 7 pipeline diversions	48"	30	-	Gas	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
UK	Manx Gas Ltd Project Management, Co-ordination, planning support, IT and implementation supervision to assist the conversion from LPG to Natural Gas	Various	200	-	Gas	✓	✓	✓	✓	✓	✓	✓	✓			
UK	Barclays Bank plc Technical advisor/consultant for the financing of the gas transmission tee & spur connection from SIPS2 pipeline to the isle of man	10"	20	1	Gas	✓										
Gibraltar	Ministry of Defence, UK On-site supervision for replacing 2 fuel lines	-	20	-	Fuel				✓	✓	✓	✓	✓			
Belgium	ElectroBel via PwC Regulatory Asset Base Review for the gas distribution networks	Various	120,000	-	Gas	✓										
UK	Manx Electricity Authority, Isle of Man. Overall project management of the shore landing and sub-sea pipeline	10"	11	1	Gas					✓	✓	✓	✓			
UK	Manx Electricity Authority, IoM. Pulrose Power Station - pipeline	10"	22	2	Gas		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bangladesh	PetroBangla Gas infrastructure development project including SCADA and radio systems	Various	701	-	Gas	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
UK	Oil Pipelines Agency Various contracts on the UK Government multi-product pipeline	8"-18"	2150	-	Multi-Product		✓		✓	✓	✓	✓	✓	✓		
UK	Premier Transmission. Due diligence review of the gas pipeline network in Northern Ireland	24"	Onshore: 93 Offshore:	2	Gas	✓										
UK	BP Grangemouth pipeline Project Management and detailed design for a gas feed to the Grangemouth refinery.	10"	11.5	2	Gas		✓	✓	✓	✓	✓	✓				
UK	National Grid Gas Detailed design for the Harefield Southall pipeline	24"	16	2	Gas		✓	✓			✓					
UK	National Grid Gas Detailed design for the Asselby to Pannel gas pipeline	48	62	2	Gas		✓	✓			✓					
UK	National Grid Gas Construction Engineering support and QA/QC services for the Asselby to Pannel gas pipeline	48	32	1	Gas			✓	✓	✓	✓	✓	✓	✓		
UK	Fina System review of the Fina Pipeline SCADA	N/A	n/a		Multi-Product	✓	✓									
South Africa	Rand Water Assessment of the cathodic protection system across the water distribution network	Various		N/A	Water	✓	✓									✓
UK	Manx Electricity Authority, IOM. Project and construction services for 140bar to 70 bar PRS	10"	N/A	1	Gas		✓		✓		✓	✓	✓	✓	✓	✓
UK	ESSO Gas feed to Fawley Refinery	12"	1.5	2	Gas		✓	✓	✓	✓	✓	✓				
UK	National Grid Gas Asselby To Pannal Pipeline - Conceptual & Detail Design Provision of Project Services to Main Contractor in Quality, Engineering and Design Departments for the Design of a 48" 85 Bar Pipeline and adjoining Compressor Stations.	48"	62km	2	Gas			✓		✓	✓	✓				
UK	Aberford To Pannal Pipeline Construction Provision of Document Control Services to Main Contractor on Construction of 48" 85 Bar Gas Transmission Pipeline and Associated Ancillary Equipment including Compressor Station Modifications.	48"	33	1	Gas		✓	✓	✓	✓	✓	✓				
UK	BGE-UK Interconnector Provision of Project Management & Quality Management Services on the Brighthouse Bay interconnector including all interconnecting pipework and ancillaries.	4" - 30"	n/a	1	Gas	✓	✓	✓	✓	✓	✓	✓	✓	✓		
UK	Transco Aberdeen to Lochside 42" Gas Pipeline Project. Provision of QA/QC Services During the construction of 42" gas pipeline.	42"	90	1	Gas	✓	✓					✓				
UK	National Grid Gas Easington - Hatton Review of Internal Design Processes for Pipeline and AGI. Introducing Risk Based Design Programme and Design Co-ordination.	n/a	n/a	n/a	Gas		✓			✓		✓				✓

Document Title	Project Experience - Business Process Consultancy		
Prepared By	M.Danter	Doc Ref:	F07-01-05
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Business Process Consultancy



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RESPONSIBILITIES

Country	Client and / or Project	Continual Monitoring	Review Of Existing Processes	Development of Specification	Development of Project Processes	Development of Corporate Procedure	Implementation of New Processes	Implementation of ISO 9001:	Implementation of ISO 14001:	Implementation of OHSAS 18001:	Review Of Existing Systems	Training
			1	2	3	4	5	6	7	8	9	10
UK	Frazer & Tabberer Supplier of Pipeline materials & pipe to the water, gas & oil Industry. Review of existing management processes. Design & Implementation of Integrated Management System.	Yes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
UK	Rickter Company Provider of personnel and management training. Review of existing processes. Design & Implementation of Quality Management System	Yes	✓	✓	✓	✓	✓	✓			✓	✓
UK	F&B Tunnelling Trenchless Technology and shaft sinking specialists in the Pipeline Industry. Review of existing management, health, Safety, environmental and quality processes. Design and implementation of new to create integrated management system.	Yes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
UK	Belmont NDT Non Destructive Testing Contractor. Review of existing management processes. Design & implementation of new systems to form Quality Management system.		✓	✓	✓	✓	✓	✓			✓	✓
UK	Inclusion Government Policy review and research organisation. Review of existing management processes. Design & Implementation of Quality Management system			✓	✓	✓	✓	✓			✓	✓
UK	Amec Review of existing Design capabilities and development of new design processes in accordance with Contract requirements and CDM 2007. Implementation of Risk Mitigation processes during design for pipeline and compressor stations.		✓	✓	✓		✓				✓	✓
UK	Entrepose Review of existing Design capabilities and development of new design processes in accordance with Contract requirements and CDM 2007. Implementation of Risk Mitigation processes during design for pipeline and compressor stations.		✓	✓	✓		✓				✓	✓
Kazakhstan	Kaztranzgaz Review of existing Emergency Preparedness process to ensure security of supply. Development and training of new processes to ensure suitable reaction to emergency situation both in Kazakhstan and in neighbouring country. Identificaiton of High risk areas for prioritisation of resources. Development of Cross-Border Agreement between Ministers Of Emergency.		✓	✓	✓	✓	✓				✓	✓
Kyrgyzstan	Kyrgyzgaz Review of existing Emergency Preparedness process to ensure security of supply. Development and training of new processes to ensure suitable reaction to emergency situation both in Kazakhstan and in neighbouring country. Identificaiton of High risk areas for prioritisation of resources. Development of Cross-Border Agreement between Ministers Of Emergency.		✓	✓	✓	✓	✓				✓	✓