

Reference List for Pipeline Actuators and Control Systems

<u>Project Name</u>	<u>End User</u>	<u>Location</u>	<u>Valve Size</u>	<u>Actuator Type</u>	<u>Supplied</u>
Kurdistan Crude Oil Pipeline - KAR	KAR	Kurdistan	4"	Electro-Hydraulic Self Contained Systems	2020
OBIAFU/OBRIKOM - OBEN (OB3) - LOT A	Nigerian National Petroleum Corporation	Nigeria	2"-48"	Pneu SR/Direct Gas SR	2020
Bishop Auckland AGI	National Grid	UK	18"	Direct Gas	2019
Wilmington & Farningham	SGN	UK	-	Direct Gas	2019
Salmesbury AGI	Cadent Gas	UK	N/A	Slamshut & Local Remote Cabinets	2019
Aylesbury Compressor	National Grid	UK	-	Direct Gas	2019
Lamesly AGI	Northern Gas Networks	UK	16"	Direct Gas	2019
Cadbury AGI	-	UK	-	Control Cabinets	2018
Mappowder	National Grid	UK	-	Control Cabinet, Gas Hydraulic Tanks and Gas	2018
Brigg Power Station	National Grid	UK	-	Slamshut Cabinets	2018
SWSOS	GNI	UK	36"	Direct Gas with Gas Receivers	2018
Keadby	SSE	UK	-	Slamshut Cabinets	2017
Elton AGI	NGN	UK	12"	Direct Gas c/w Control Cabinet	2017
Carnforth Asset Health	National Grid	UK	36"	Direct Gas	2017
Carnforth Asset Health	National Grid	UK	2"	Direct Gas	2017
-	GAIL	India	30" #600	Direct Gas	2016
Fochriw PRS	Wales & West	UK	-	Control Cabinets	2016
Winkfield AGI	National Grid	UK	-	Slamshut Cabinets (Supply & Installation)	2016
South Caucasus Pipeline	SCP	Azerbaijan	-	Control Cabinet	2015
Paull AGI	National Grid	UK	-	Active/Override/Monitor Cabinets	2015
North Azadegan Oilfield	NIOC	Iran	12"	Gas Hydraulic c/w Control Cabinet, Pressure	2015

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AGT Pipeline	BP	Azerbaijan	42"	Gas Over Oil	2015
Beckton	Thames Water	UK	1"	Direct Gas c/w Control Cabinet	2015
Aylesbury Compressor	National Grid	UK	6"	Direct Gas	2015
Pipeline to the West	Bord Gais	UK	-	Gas Hyd/Site Work	2015
Kirriemuir	National Grid	UK	4"	Direct Gas	2015
Hindlow Quarry	National Grid	UK	-	Control Cabinet	2015
Aylesbury Compressor	National Grid	UK	2"	Direct Gas	2015
Paull AGI	National Grid	UK	-	Gas Over Oil	2015
Aylesbury Compressor Station	National Grid	UK	6"	Direct Gas	2015
Insalah	JV Gas	Algeria	8"	Gas Hyd	2015
Kirriemuir	National Grid	UK	-	Direct Gas	2015
Minworth	National Grid	UK	4"	Direct Gas	2014
Beckton CHiP	National Grid	UK	4", 8"	Gas Hyd	2014
Kinbuck AGI	National Grid	UK	36"	Gas Hyd c/w Control Cabinet	2014
Mickle Trafford	National Grid	UK	-	Control Panel	2014
South Stream	Gazprom	Russia	-	Electro-Hydraulic Units	2013
Rye House	National Grid	UK	-	Slamshut Cabinets	2013
Carrington	ESBI	UK	24"	Direct Gas	2013
St Huberts Lane	National Grid	UK	18"	Gas Over Oil	2013
Uzbekistan-China Gas Pipeline	Asia Trans Gas	Uzbekistan	2", 4", 8"	Pneu SR	2013
Burnhervie MOC ROV	National Grid	UK	18"	Gas Over Oil	2011
Carrington	National Grid	UK	24"	Direct Gas	2011
Gas Pipeline Extension	Manx Electricity	UK	6"	Gas Over Oil	2011
Kirriemuir	National Grid	UK	4"	Direct Gas	2011
Saltwick AGI	United Utilities	UK	-	Control Cabinets	2011

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Cappagh South	Bord Gais	UK	-	Gas Over Oil	2011
Saltwick AGI	United Utilities	UK		Slamshut Cabinet	2011
Tronoh City Gas Station	Petronas Gas	Malaysia	3"	Gas Over Oil	2010
Dowlais AGI	Wales & West Utilities	UK	12"	Gas Over Oil c/w Slamshut Cabinets	2010
Farningham	SGN	UK	-	Slamshut Cabinets	2010
Gilwern-Hafodyrynys	Wales & West Utilities	UK	12"	Direct Gas	2010
Braishfield	National Grid	UK	12"	Slamshut Cabinets	2009
Marshfield	Severn Gas	UK	450 mm	Gas Over Oil	2009
Yas Island	-	UAE	16"	Gas Over Oil	2009
Braishfield	Transco	UK	18" & 30"	Gas Over Oil/Slam Shut Cabinets	2009
PFK Gas Metering Upgrading	Petronas Gas	Malaysia	-	Gas Over Oil	2009
Four Gas Compressor Stations - IGAT IV	NIGC	Iran	3" & 4"	Gas Over Oil	2009
Kirriemuir	Transco	UK	2", 6", 24" & 36"	Pneu SR	2008
Upgrading Prai City Gate Station	Petronas Gas	Malaysia	10"	Gas Over Oil	2008
Kirriemuir	National Grid	UK	6"	Pneu SR	2008
Wood Lane	National Grid	UK	-	Slamshut Cabinets	2008
Isle of Grain	National Grid	UK	1.5" & 2"	Pneu SR	2007
Choakford AGI	National Grid	UK	16"	Direct Gas/Control Cabinets	2007
Cowpen Bewley	Transco	UK	12"	Pneu DA/Control Cabinets	2007
Milford Haven to Aberdulais Pipeline	National Grid	UK	48"	Gas Over Oil/Control Cabinet	2007
OGD 3	Gasco (ADNOC)	UAE	48"	Gas Over Oil/Local Remote Cabinet	2007
Centrica Storage	Centrica	UK	2"	Pneu SR	2007
Karsto	Gassco	Norway	12" Butterfly	Pneu SR	2007
AGT Pipeline	BP	Azerbaijan	2"	Actuators/Control Cabinets	2006
Brecon to Tirley	National Grid	UK	18" & 30"	Gas Over Oil/Slam Shut Cabinets	2006

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Southall	Transco	UK	6"	Pneu DA	2006
Kodiana	BTC	Georgia	30"	Hyd DA/Control Cabinets	2006
Milford Haven to Aberdulais Pipeline	National Grid	UK	18", 30", 36" & 48"	Gas Over Oil	2006
Southall	Transco	UK	30"	Hyd DA	2006
Wragby AGI	Transco	UK	18"/600	Hyd DA/Control Cabinets	2006
Pazanan Gas Conditioning	NIOC	Iran	6"/300 & 6"/900	Hyd SR/Control Cabinets	2006
Wooler	Transco	UK	2" & 4"	Pneu SR	2005
Ganstead AGI Stream 2	National Grid	UK	-	Control Cabinet	2005
Marun	NIOC/SPEC	Iran	8"-36" Class 300 & 600	Gas Over Oil	2004
AGT	BP	Azerbaijan	12"/600	Direct Gas	2004
Tengizchevroil	TCO	Kazakhstan	24" & 30" Class 600	Gas Over Oil/Control Cabinets	2004
BPA Thames	BPA Pipeline	UK	12" Class 600	Hyd DA	2004
NIGC	NIGC	Iran	30"/600	Gas Over Oil	2004
Bulgaria Gas Pipeline	Bulgargas	Bulgaria	2" & 8"	Hyd DA	2004
South Shapkino	Lukoil	Russia	12"	Gas Over Oil/Cabinets	2002
Pipeline to the West	Bord Gais	UK	30"	Electric Actuators suit 30" Valves c/w Controls	2002
Pipeline to the West	Bord Gais	UK	24"	Electric Actuator suit 24" Valve c/w Gearbox	2002
Churchover & Alrewas	Transco	UK	2", 30"	Gas Over Oil c/w Standalone HPU	2002
Carnforth to Netherkellet	Transco	UK	36"	Gas Over Oil c/w Open/Close & 2oo3 Voting	2000