

## Reference List for Electro Hydraulic Positional Control Systems

<u>Project Name</u>	<u>End User</u>	<u>Location</u>	<u>Equipment Supplied</u>	<u>Supplied</u>
Occidental Frame Agreement	Occidental	Qatar	Pulsing I.S.	2011
PNG LNG	Esso Highlands	Papua New Guin	Positional with Hart	2011
-	McMoran	USA	Liinear Stayput	2011
PNG LNG	Esso Highlands (	Papua New Guin	Positional with Hart	2011
30K Choke	McMoran	USA	30K Choke Control	2011
Sarawak	Shell	Malaysia	Positional Control with Hart	2011
Occidental Frame Agreement	Occidental	Qatar	Pulsing I.S.	2011
Occidental Frame Agreement	Occidental	Qatar	Pulsing I.S.	2011
Ibewa	Total	Nigeria	Spring to Close	2011
Occidental Frame Agreement	Occidental	Qatar	Linear Stepping Control	2011
30K Choke	McMoran Expl Co	USA	Linear Positional c/w Fine Speed Control and Positioning	2011
30K Choke	McMoran	USA	Linear Stayput	2011
-	ROC Oil	Australia	Loop Powered Control	2011
Baraka Tie In	DanaGas	Egypt	Spring to Close	2011
ONV Field	ONV	Pakistan	Pipeline Valve Control	2011
Solenoid Valves Phase 42	Chevron	Thailand	Manifolds	2011
-	Maersk		Pulsing Exd	2011

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Solenoid Valves	Chevron	Thailand	Manifold Blocks	2011
Occidental Frame Agreement	Occidental	Qatar	Pulsing I.S.	2011
Sisi Nubi	Total	Indonesia	Positional Control	2011
Occidental Frame Agreement	Occidental	Qatar	Pulsing I.S.	2011
Occidental Frame Agreement	Occidental	Qatar	Linear Stepping Control	2011
Solenoid Valves	Chevron	Thailand	Manifold Blocks	2010
Leman Well H4/H5	Perenco	UK	Linear Stepping Control	2010
Sarawak	Shell	Malaysia	Quarter Turn Positional Control	2010
Solenoid Valves	Chevron	Thailand	Manifold Blocks	2010
Umm Shaif	ADMA OPCO	UAE	Positional Control Infra Red	2010
Revolution	EDF	UK	Self Contained Electro Hydraulic	2010
Jerneh B	Exxon Mobil	Malaysia	Manifold Assembly	2010
Kharyaga Phase 3	Total	Russia	Low Temperature Positional Control and Hart	2010
Occidental Frame Agreement	Occidental	Qatar	Positional Control I.S.	2010
-	Maersk	Norway	Spring to Open Positional Control	2010
-	Pedco	Iran	Self Contained Positional Control	2010
Muscat	PDO	Oman	Surge Relief Protection	2010
-	Lanxess	Belgium	Turbine Bypass	2010
Zirku Production Facilities	ZADCO	UAE	Self Contained Positional Control	2010
Bongkot	PTTEP	Thailand	Manifold	2010

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-	Dubai Petroleum	Dubai	Linear Positional Control	2010
Solenoid Valves	Chevron	Thailand	Manifold Blocks	2010
-	Maersk	Denmark	Positional Control with ESD	2010
NEB	ADCO	UAE	Spring to Close Positional Control c/w ESD	2010
Water Injection Booster Pump at WHP-15/UAD	ZADCO	UAE	Self Contained Electro Hydraulic	2010
-	Occidental	Qatar	Positional Choke Control	2009
Babbage	Ruhrgas	UK	Spring to Close Positional	2009
Umm Shaif	ADCO	Abu Dhabi	Infra Red Positional Control	2009
Volve	Statoil	Norway	DA Positional Control	2009
-	Maersk	Norway	DA Positional Control	2009
Scada	-	Iran	Spring to Close Positional	2009
-	Pedco	Iran	Spring to Close Proportional	2009
Kharyaga	Total E & P	Russia	Low Temperature Positional Control	2009
ONV Field	ONV	Pakistan	DA Positional Control	2009
Skarv Development	BP	Norway	Double Acting Positional	2009
South Pars	NIOC	Iran	Spring to Close Positional Control	2009
Moho Bilondo	Total E&P	Congo	Spring to Close Positional	2009
Sidi Krir PS/EI ATF PS	Toshiba	Egypt	Slide Valve Control	2009
Kharyaga Phase 3	Total	Russia	Positional Control -40 Deg C	2009
Skarv Development	BP	Norway	Stayput Positional Control	2009

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Leman Well H4/H5	Perenco	UK	DA Positional Control	2009
ONV Field	ONV	Pakistan	Pipeline Positional Control	2008
Angsi-D	Petronas Carigali	Malaysia	I.S. Positional Control	2008
Peciko 5	Total	Indonesia	Spring to Close Linear Actuators with Positional Control	2008
Peciko 5	Total	Indonesia	Double Acting Positional Control	2008
Peciko 5	Total	Indonesia	Positional Control	2008
Ras Lanuf Tank Farm Upgrade	-	UK	Self Contained DC	2008
Stybarrow - FMC SOFEC	-	USA	Double Acting Positional Control	2008
Zhao Dong	ROC	Australia	Double Acting Positional Control	2008
Bongkot 3G	PTTEP	Thailand	Spring to Close Positional Control	2008
-	Maersk	Norway	Stepping DA Control	2008
Angsi D	Petronas Carigali	Malaysia	I.S. Positional Control	2008
-	Electrobel	Belgium	Positional Control	2008
Peciko 6	Total	Indonesia	Spring to Close Positional Control	2008
Jerneh B	Exxon	Malaysia	Spring to Close Positional	2007
Maersk	Maersk	Denmark	Spring to Close Positional	2007
Kharyaga	Total E & P	Russia	Spring to Close Positional - Low Temperature -53 Deg C	2007
Moho Bilondo	Total E&P	Congo	Spring to Close Positional Control Systems	2007
Alvheim	Marathon	Norway	Self Contained Positional	2007
Bongkot Field Development Phase 3F	PTTEP	Thailand	Spring to Close Positional Control Systems	2007

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Tapis	Exxon Mobil	Indonesia	Double Acting Positional Control Systems	2007
Kharyaga Field Development	Total	Russia	Spring to Close Positional Control - Low Temperature (-53 Deg C)	2007
Jerneh B	Exxon	Malaysia	Spring to Close Positional	2007
Maersk	Maersk	Denmark	Double Acting Positional Control	2007
Inamenas	BP/Statoil/Sonatr	Algeria	Electo-Hydraulic & HPU's	2006
Sisi Nubi	Total	Indonesia	Double Acting Ring Main	2006
Stybarrow-FMC SOFEC	-	Australia	Double Acting Ring Main	2006
Viking	Conoco Phillips	UK	Double Acting Positional	2006
Milford Haven to Aberdulais Pipeline	Transco	UK	Self Contained Double Acting, Hart Communication	2006
Vincent	Maersk	Norway	Double Acting Stepping	2006
Viking Choke Control	Conoco Phillips	UK	Double Acting Positional	2006
Sisi Nubi	Total	Indonesia	Double Acting Hart Communication	2006
Rashid	ENPPI	Egypt	Linear Actuators c/w 4-20 mA Feedback Devices	2005
NEB	ADCO	UAE	Spring Return Eexd	2005
South Pars 9 & 10	Pars	Iran	Spring Return EExd, Hart Communication	2005
De Ruyter	Petrocanada	Holland	Self Contained 230 v Single Phase Eexd	2005
Volve	Maersk	Norway	Double Acting Stepping/Positional Eexme	2005
Lorien	Shell	USA	Double Acting Stepping CSA UL	2005
Alvheim	Marathon	Norway	Double Acting Stepping Eexme	2005
Salman	NIOC	Iran	I.S. Systems Double Acting	2004

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-	RB Valve	-	Linear Actuator c/w 4-20 mA Feedback Device	2004
Cordemais	EDF	France	Double Acting	2004
Tarim Field	Petrochina	China	Double Acting Eexd	2004
Western Desert	Khalda	Egypt	Positional Control	2001