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FLOW-QUIP PARTIAL CUSTOMER / PROJECT LIST

CLIENT / ENG.	PROJECT	LOCATION / DESCRIPTION
BP / MUSTANG ENGINEERING	HOLSTEIN AND MAD DOG PLATFORMS	14 ESD ACTUATOR UNITS MOUNTED ON 8", 10", 16" AND 24" ANSI 1500# SHUTDOWN VALVES FOR THE HOLSTEIN AND MAD DOG PLATFORMS ON THE GULF OF MEXICO DEEPWATER DEVELOPMENT PROGRAM.
PERENCO ECUADOR	OIL PIPELINE SHUTDOWN VALVES	9 SOLAR POWERED-STORED ENERGY UNITS MOUNTED ON 16" ANSI 1500# AND ANSI 2500# PIPELINE SHUTDOWN VALVES LOCATED IN REMOTE LOCATIONS IN ECUADOR.
EL PASO	CAMERON HWY OIL PIPELINE	A HIGH FLOW AND CAPACITY HYDRAULIC POWER UNIT WITH STORED ENERGY TO OPERATE A METERING SKID AND SHUTDOWN VALVES FOR THE CAMERON HIGHWAY OIL PIPELINE IN LOUISIANA.
EXXON-MOBIL	PIPELINE OVERPRESSURE PROTECTION	A 24 VDC LINEAR SE-SERIES SELF-CONTAINED FAIL-SAFE ACTUATOR MOUNTED ON A GATE VALVE IN MT. BELVIEU, TEXAS PROVIDING PIPELINE OVERPRESSURE PROTECTION. THE ACTUATOR HAS STORED ENERGY FOR 6 STROKES AND A PARTIAL STROKE FEATURE.
PETROBRAS / TECAP	DTNEST PIPELINE AUTOMATION	5 SOLAR POWERED-STORED ENERGY UNITS MOUNTED ON 18" ANSI 900# PIPELINE SHUTDOWN BALL VALVES LOCATED IN THE STATE OF AMAZONAS IN BRAZIL.
PETROBRAS	MANATI PIPELINE	4 SOLAR POWERED-STORED ENERGY UNITS MOUNTED ON 24" ANSI 600# PIPELINE SHUTDOWN BALL VALVES LOCATED IN THE MANATI GAS PIPELINE IN BAHIA BRAZIL. ACTUATORS ARE CONNECTED TO A SCADA SYSTEM.
PETROBRAS	PEGASO	47 SOLAR POWERED-STORED ENERGY UNITS MOUNTED ON 18", 12" AND 6" ANSI 300# PIPELINE SHUTDOWN VALVES LOCATED IN SERGIPE AND ALAGOAS STATES OF BRAZIL.
REPSOL - YPF ARGENTINA	CENTRAL PIPELINE BLOCK VALVES AUTOMATION PROJECT	A TOTAL OF 39 STORED ENERGY ESD UNITS (11 SOLAR POWERED AND 28 AC POWERED). THE VALVE AUTOMATION SYSTEMS ARE INSTALLED ON THE YPF'S CENTRAL PIPELINE AND MOUNTED ON 16", 14" AND 12" ANSI 600# GATE VALVES.
OLEODUCTO TRASANDINO / FLUOR DANIEL ENG.	OTA/OTC PIPELINE TRANSANDIAN OIL PIPELINE	14 UNITS ON ANDES CRUDE OIL PIPELINE BETWEEN ARGENTINA AND CHILE. SOLAR AND WIND POWERED VALVE AUTOMATION SYSTEMS FOR 16" HIGH PRESSURE BALL VALVES.
AGIP / FLUOR DANIEL ENG.	ARCO - VILLANO	18 UNITS ON LIQUID PIPELINE IN ECUADOR. STORE ENERGY SOLAR POWERED ACTUATORS MOUNTED ON 12" AND 16" PIPELINE VALVES.
PEMEX (PGPB)	AUTOMATION OF THE NATIONAL NETWORK OF GAS AND LPG LINES	84 STORE ENERGY SOLAR POWERED SYSTEMS RETROFITTED ON 94 EXISTING VALVES ON THE LPG LINES OF PGPB THROUGHOUT MEXICO.
CONOCO-PHILLIPS	PHILLIPS BORGER ISOLATION VALVES PROJECT	10 UNITS LOCATED IN THEIR REFINERY IN BORGER TEXAS. ACTUATORS MOUNTED ON ISOLATION AND SHUTDOWN VALVES ON THE STORAGE AND COMPRESSOR FACILITIES.
TEXACO	TEXACO CONWAY ISOLATION VALVES PROJECT	OVER 18 UNITS LOCATED IN CONWAY KANSAS. ACTUATORS MOUNTED ON THE LPG UNDERGROUND STORAGE ISOLATION VALVES.
PETRO PERU	PETRO PERU STATION NO. 4 PROJECT	1 SOLAR POWERED VALVE AUTOMATION SYSTEM IN THE NORTHEASTERN JUNGLE OF PERU. RETROFITTED A 24" EXISTING GATE VALVE. FLOW-QUIP ALSO PROVIDED A SATELLITE COMMUNICATIONS AND INTERFACE WITH THEIR SYSTEM.
AL-FURAT PETROLEUM CO.	AL-FURAT PETROLEUM COMPANY PROJECT	OVER 30 ACTUATOR UNITS ON THE OMAR FIELD IN SYRIA. ACTUATORS ARE DC POWERED UNITS MOUNTED ON COMPRESSOR BLOCK VALVES.
CONOCO-PHILLIPS	PHILLIPS PIPELINE PUMP STATIONS	10 UNITS MOUNTED ON 6", 8" & 10" BALL VALVES LOCATED IN VARIOUS PUMP STATIONS IN TEXAS, OKLAHOMA, COLORADO, AND KANSAS.
CITGO	CITGO PETROLEUM PUMP STATIONS	OVER 6 UNITS MOUNTED ON 6" AND 8" BALL VALVES LOCATED IN VARIOUS PUMP STATIONS IN TEXAS AND LOUISIANA.
EXPRESS PIPELINE	EXPRESS PIPELINE VALVE AUTOMATION PROJECT	5 DVC MODULATING HYDRAULIC POWER UNITS AND ACTUATORS MOUNTED ON 10", 16" AND 20" BALL VALVES LOCATED IN WYOMING AND CANADA.
PRIDE REFINING	FAIL-SAFE VALVE AUTOMATION PROJECT	A FLOW-QUIP ESD ACTUATOR MOUNTED ON A FISHER 8" V500 V-BALL VALVE AND 2 ESD UNITS MOUNTED ON 16" CAMERON BALL VALVES LOCATED IN ABILENE TEXAS.
CALIFORNIA COSTAL WATER AGENCY	CALIFORNIA COSTAL WATER AGENCY TANK-5 PROJECT	2 HYDRAULIC POWER UNITS AND ACTUATORS OPERATING 4 DEZURIK BUTTERFLY VALVES (16" AND 36") LOCATED IN SOUTHERN CALIFORNIA.
SAUDI ARAMCO	ARAMCO VALVE AUTOMATION PROJECT	7 HYDRAULIC POWER UNITS WITH STORE ENERGY TO OPERATE 48" BALL VALVES LOCATED IN SAUDI ARABIA.
KINDER MORGAN	VARIOUS LOCATIONS	SPRING RETURN "SR" AND manPOWER UNITS AT VARIOUS PUMP STATIONS AND TANK FARMS IN KANSAS, IOWA, TEXAS & ILLINOIS.
KOCH OIL	KOCH OIL VALVE AUTOMATION PROJECT	A MODULATING HYDRAULIC POWER UNIT AND ACTUATOR SYSTEM OPERATES A 6" BALL VALVE LOCATED IN EAST ST. LOUIS.
CALIFORNIA DEPARTMENT OF WATER RESOURCES	CALIFORNIA DEPT. OF WATER RESOURCES EAST BRANCH EXTENSION	8 PLC CONTROLLED HYDRAULIC POWER UNITS WITH STORED ENERGY TO OPERATE BUTTERFLY AND BALL VALVES.



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PETROTERMINAL DE PANAMA	PIPELINE REVERSAL PROJECT	9 STORED ENERGY SYSTEMS TO OPERATE 36" AND 40" MAINLINE BLOCK GATE VALVES ON A CRUDE OIL PIPELINE ACROSS PANAMA. 2 MODULATING UNITS ON THE PUMPING STATIONS TO OPERATE 24" BALL VALVES. ALL SYSTEMS INCLUDE A HYDRAULIC POWER UNIT AND ACTUATOR.
PEMEX (PEP)	ABKATUN-D PLATFORM AUTOMATION PROJECT	1 HYDRAULIC POWER UNIT WITH STORED ENERGY TO OPERATE QTY OF 13 VALVES. THE SYSTEMS ARE INSTALLED ON PEMEX OFFSHORE PLATFORMS IN THE GOLF OF MEXICO.
PEMEX (PEP)	ABKATUN-A PLATFORM AUTOMATION PROJECT	2 HYDRAULIC POWER UNITS WITH STORED ENERGY TO OPERATE QTY OF 10 VALVES EACH. THE SYSTEMS ARE INSTALLED ON PEMEX OFFSHORE PLATFORMS IN THE GOLF OF MEXICO.
PEMEX (PGPB)	SALAMANCA SHUTDOWN STATIONS	2 SOLAR POWERED HYDRAULIC POWER UNITS WITH STORED ENERGY AND LINEAR ACTUATORS TO OPERATE 6" AND 8" SHUTDOWN GATE VALVES ON PEMEX LPG PIPELINE.
PEMEX (PEP)	OFFSHORE PLATFORM AUTOMATION PROJECT	2 HYDRAULIC POWER UNITS WITH STORED ENERGY TO OPERATE QTY OF 15 VALVES EACH. THE SYSTEMS ARE INSTALLED ON PEMEX OFFSHORE PLATFORMS IN THE GOLF OF MEXICO.
PEMEX REFINERY	SALAMANCA-GUADALAJARA & DEGOLLADO-ZAMORA PRODUCTS PIPELINE SCADA PROJECT	AUTOMATION OF 16" AND 8" PRODUCTS PIPELINES FOR PEMEX REFINERY. QTY 2 16" 600# & QTY 2 16" 900# PLUG VALVES, QTY 3 16" 900# GATE VALVES AND QTY 3 12" 600# GENERAL TWIN SEAL VALVES. ATOMATION SYSTEMS ARE CONNECTED TO A SCADA AND LEAK DETECTION SYSTEM THAT MONITORS AND SHUTOFF PIPELINE IN CASE OF A LINE BRAKE.
PEMEX	OFFSHORE PLATFORM AUTOMATION PROJECT	A GAS-HYDRAULIC POWER UNIT WITH STORED ENERGY AND ACTUATORS TO OPERATE TWO 24" 600# BALL VALVES AND ONE SELF-CONTAINED GAS-HYDRAULIC ACTUATOR WITH STORED ENERGY AND PRESSURE PILOT FOR AUTOMATIC VALVE SHUTDOWN ALSO MOUNTED ON A 24" 600# BALL VALVE.
PEMEX (PGPB)	AUTOMATION OF THE NATIONAL NETWORK OF GAS AND LPG LINES	84 STORE ENERGY SOLAR POWERED SYSTEMS RETROFITTED ON 94 EXISTING VALVES ON THE LPG LINES OF PGPB THROUGHOUT MEXICO. AUTOMATION SYSTEM INCLUDES A HYDRAULIC POWER UNIT & LINEAR OR ROTARY ACTUATORS.
CITY OF NEW ORLEANS CORE OF ENGR.	LONDON AVE. FLOOD GATE CONTROL	HYDRAULIC POWER UNIT AND CONTROL PANELS FOR THE LONDON AVENUE CANAL GATES TO PREVENT FLOODING IN NEW ORLEANS.
PECAN PIPELINE / ENGLOBAL	PRAIRIE ROSE PIPELINE	4 STORED ENERGY SYSTEMS TO OPERATE 12" ANSI 900# BALL VALVES. THE VALVES ARE MAINLINE BLOCK VALVES ON A DENSE PHASE NATURAL GAS PIPELINE IN NORTH DAKOTA-USA. AUTOMATION SYSTEM INCLUDES A HYDRAULIC POWER UNIT AND ROTARY ACTUATOR.
MOGAS BECHTEL	BECHTEL	2 HYDRAULIC POWER UNITS TO OPERATE 4 ROTARY MOGAS METAL SEATED BALL VALVES EACH. THE LOCK HOPPER VALVES ARE INSTALLED IN A POWER GENERATION PLANT IN CHINA.
MOGAS	ORIENTEC - NINGXIA CHINA PROJECT	2 HYDRAULIC POWER UNITS TO OPERATE 4 ROTARY MOGAS METAL SEATED BALL VALVES EACH. THE LOCK HOPPER VALVES ARE INSTALLED IN A POWER GENERATION PLANT IN CHINA.
WEIR	VARIOUS	SEVERAL HYDRAULIC POWER UNITS TO OPERATE KNIFE GATE VALVES ACTUATORS. PROJECTS IN THE POWER GENERATION AND MINING INDUSTRY MARKETS.
ARUSA TRADE	VARIOUS	SEVERAL HYDRAULIC POWER UNITS TO OPERATE 4-WAY VALVES. ALL UNITS ARE INSTALLED IN VARIOUS LOCATIONS RUSSIA.
DANIEL MEASUREMENT	VARIOUS	SEVERAL HYDRAULIC POWER UNITS TO OPERATE 4-WAY VALVES. UNITS HAS BEEN SHIP AROUND THE WORLD.
EMBRIDGE / COLT ENGINEERING	GATEWAY PIPELINE	2 STORED ENERGY SYSTEMS TO OPERATE 30" ANSI 600# GATE VALVES. THE VALVES ARE MAINLINE BLOCK VALVES ON A CRUDE OIL PIPELINE IN A REMOTE LOCATION IN NORTHERN CANADA. THE VALVES ARE CONTROLLED BY THE PIPELINE SCADA SYSTEM.
OVERLAND PASS PIPELINE / WILBROS	OVERLAND PASS PIPELINE	9 STORED ENERGY LINEAR AUTOMATION SYSTEMS CONTROLLING 12 PIPELINE SHUTDOWN GATE VALVES IN THE COLORADO MOUNTAINS FROM KANSAS TO WYOMING IN THE USA. THE VALVES ARE CONTROLLED BY THE PIPELINE SCADA SYSTEM.
TRANSREDES BOLIVIA	ESTACIONES DE COMPRESION	8 STORED ENERGY-SPRING RETURN UNITS MOUNTED ON 2" ANSI 900#, 600# & 150# STATION ISOLATION SHUTDOWN BALL VALVES LOCATED AT SEVERAL COMPRESSION STATIONS OF TRANSREDES IN BOLIVIA.
TRANSREDES BOLIVIA	OSSA PIPELINE	7 STORED ENERGY UNITS MOUNTED ON 10" AND 12" ANSI 900# PIPELINE SHUTDOWN BALL VALVES LOCATED IN THE OSSA PIPELINE OF TRANSREDES IN BOLIVIA. ACTUATORS ARE CONNECTED TO A SCADA SYSTEM.
TRANSREDES BOLIVIA	OCC PIPELINE	6 STORED ENERGY UNITS MOUNTED ON 6", 8" AND 10" ANSI 600# PIPELINE SHUTDOWN BALL VALVES LOCATED IN THE OCC PIPELINE OF TRANSREDES IN BOLIVIA. ACTUATORS ARE CONNECTED TO A SCADA SYSTEM.