



CUSTOMER:

Petróleos de Venezuela, S.A. (PDVSA)

www.pdvsa.com



SYSTEM INTEGRATOR:

REELVENSA – H & J Corporation (REV/HJC)

www.reelvensa.com

LOCATION:

Zulia, Venezuela, S.A.

INDUSTRY:

Oil & Gas

PROJECT SCOPE:

REV/HJC offers automation, SCADA and instrumentation-engineered systems solutions to the oil & gas industry. In 2005, PDVSA engaged REV/HJC to replace obsolete gas lift controllers at more than four hundred offshore gas lift wells. They wanted to leverage new low-power technology capable of running custom made applications to sense, calculate and control oil production and gas injection process variables at each wellhead.

SOLUTION:

Since the application required custom made algorithms, REV/HJC selected a private-label version of Sixnet's VT-IPM-2410 RTU that they branded POZOmatic® (the word POZO translates to well in Spanish). This RTU contains enough memory to enable several applications to run concurrently. It also offers various interface capabilities, including Ethernet, RS-232 and RS-485. Various I/O modules were used to interface with field process instrumentation.

BENEFITS:

The performance of each custom-integrated Sixnet RTU greatly exceeds that of the outdated gas lift controllers and is capable of operating for five days without sunlight. Designed and developed to reliably withstand extreme maritime offshore environments, this rugged RTU deployment has been seamlessly running under rough ambient conditions for over five years.

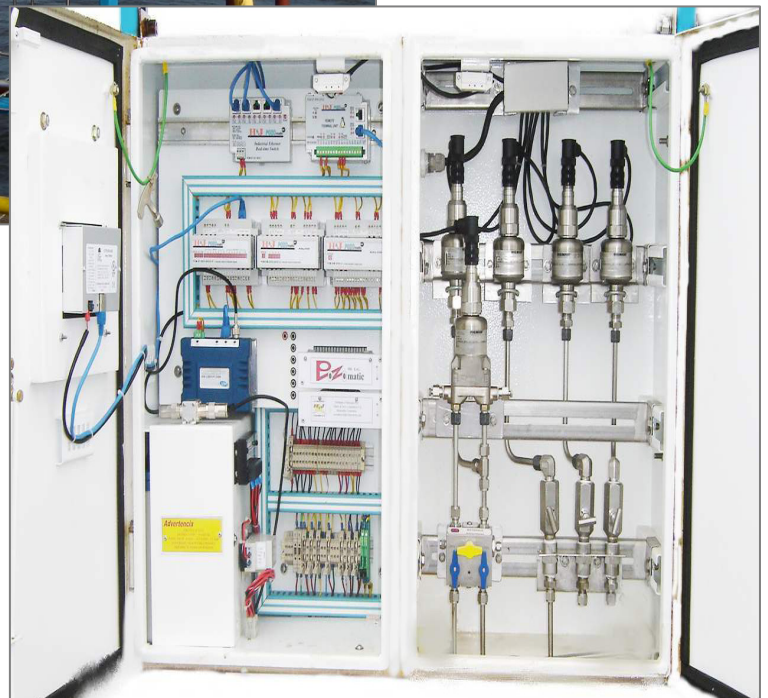
PRODUCTS:

The following products were used as part of each PDVSA wellhead panel solution:

Model	Description
PZM-VT-IPM-2410	Sixnet RTU
PZM-ET-8DI2-8DO2-H	10-30 VDC, 1 Amp per Output Channel
PZM-RM-4DI2-4AI2-U	10-30 VDC and 4-20 mA, 16-Bit
PZM-RM-8INS-U	Instrumentation (e.g., Thermocouples, mV)
OIT-4185	HMI
	0-4000 Pressure Transmitter
	0-250 H2O Differential Pressure Transmitter



*POZomatic Control Cabinet
Exterior and Interior Views*



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