

Venezuela's PDVSA Calls on DeltaV™ System for Robust, Flexible Control

RESULTS

- Reduced installation time
- Reduced configuration time
- Increased process stability
- Reduced waste
- Improved regulatory compliance

APPLICATION

Oil field production

CUSTOMER

Petróleos de Venezuela, S.A. (PDVSA)

CHALLENGE

The complex production process for PDVSA's 56-well oil field is extraordinarily dynamic and constantly expanding. While quality was a factor, administration and maintenance had to be held to a minimum in order to reduce costs.

SOLUTION

PDVSA called on Emerson Process Management's DeltaV digital automation system for the robust automation, high-level flexibility and scalability it needed.

The DeltaV system, with Emerson's PlantWeb™ architecture and FOUNDATION fieldbus technology provides control for liquid gas separation, an air-blown gas cooler, and mist eliminator vessel. Four fieldbus segments connect a DeltaV digital automation system with Rosemount intelligent level, pressure, and temperature transmitters. What initially had been planned as a small trial installation was so successful that PDVSA began expanding it almost immediately.

Bottom Line Benefits

Among the many benefits PDVSA gained from the DeltaV system and FOUNDATION fieldbus were: scalability to match a constantly expanding process; shorter installation (15 days compared to five or six months or even longer for traditional solutions); faster configuration (almost 20 instruments in only 3 days); better process stability, resulting in less waste and improved regulatory compliance.



“Having an integrated operating environment with robust control like the one offered by fieldbus, integrated with PlantWeb, allows you to obtain a stable operation, minimizing deviations in the processes, and therefore minimizing the venting of contaminants into the environment.”

Manuel Rangel

Project Engineer, PDVSA



For more information:
www.EmersonProcess.com/DeltaV



Says PDVSA's project engineer Manuel Rangel, "Having an integrated operating environment with robust control like the one offered by fieldbus, integrated with the PlantWeb architecture, allows you to obtain a stable operation, minimizing deviations in the processes, and therefore minimizing the venting of contaminants into the environment."



The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our software licensing agreement and terms and conditions, which are available upon request. We reserve the right to modify or improve the designs or specifications of our product and services at any time without notice.

© 2011 Emerson Process Management. All rights reserved.
The Emerson logo is a trademark and service mark of Emerson Electric Co.

For Emerson Process Management trademarks and service marks, go to www.EmersonProcess.com/home/news/resources/marks.pdf. All other marks are the property of their respective owners.



Emerson Process Management
12301 Research Blvd.
Research Park Plaza, Building III
Austin, TX 78759

www.EmersonProcess.com/DeltaV

