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Digital Bus Instruments and Motor Controls Speed Results on a Fast Track Gas Treating Project

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Anadarko Petroleum needed a 200 MMSCFD gas treating facility to be designed, fabricated, and installed at a location in central Louisiana with no existing operations staff and on a very tight schedule. The contractor, Optimized Process Design (OPD), selected a modern DCS, Foundation Fieldbus digital instrumentation, and Devicenet digital motor control networks as the control platform for the plant, which was to be pre-assembled as several skid units at OPD's facility in Katy, Texas. The novel approach was to complete all loop and motor control checkout at OPD prior to skid shipment and site installation. The paper will cover lessons learned in performing a skid type project for rapid deployment using digital instruments and motor networks instead of conventional devices. The plant has been in operation for over two years, and Anadarko's operating experience using a modern DCS with digital field device networks will be discussed.

(for further reading on this topic – contact Barry D. Payne & Associates, Inc. at www.bdpayne.com)

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