



PROCESSING PLANT EXPANSION

CLIENT - Confidential
LOCATION - Dubberly, LA
COMPLETED - 2016

DESCRIPTION

Matrix PDM Engineering provided engineering, procurement, and construction management services for the expansion of an existing natural gas processing. This facility was in a congested footprint not originally intended for process expansion. The effort required continuous collaboration with the client to ensure construction activities did not impede existing operations. Upon completion, all systems were integrated into a new control system with commissioning services provided by Matrix.

PRINCIPAL FEATURES

- Performed project management and multidiscipline engineering design
- Performed detailed processing and project engineering functions including integration of all process units, facility
- P&ID development, and procurement of balance of process equipment
- Developed equipment layout drawings showing the new equipment integrating with existing equipment through 3D modeling of entire facility
- Performed detailed piping engineering and design for interconnecting process units (both new and existing)
- Performed calculations and designed foundations for new equipment and structures
- Performed engineering design for the new MCC, new instrument air compressors, and the chromatograph, including associated buildings and facility-wide safety system
- Developed Cause and Effect diagram for entire facility
- Developed specifications for engineered equipment along with procurement, including the MCC, chromatograph, pipeline pumps, flare, control system equipment and balance of plant instrumentation

FOR MORE INFORMATION:

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