

***BDP Project Description:*****Sand Hills Gas Plant - Control System Upgrade in conjunction with Ortloff Expansion*****End User / Location:*****Dynegy Midstream Services, Crane, Texas*****Client / Location:*****Dynegy Midstream Services, Crane, Texas*****Control System Platform:*****GE Fanuc Open Process with GE Fanuc 90-30 Processors and Cimplicity HMI*****BDP Scope:*****Full-scope control system upgrade to replace panel board instruments and local controls, from equipment selection through control system commissioning.*****BDP Services:*****Front End Design Package:**

- Control system evaluations.
- Instrument Index development.
- Instrument data sheets.
- Equipment procurement.

**Detailed Design & Configuration:**

- Custom panel design and assembly.
- Control loop and display configuration.
- Modbus configuration for serial interfaces.
- Industrial SQL Historian configuration.
- Drawing package for installation scope.
- System integration and test.

**Installation and Commissioning:**

- Craft labor and materials for field instrument installations.
- Control system installation with fiber communication networks.
- Engineering and craft support for loop check and commissioning.
- Operator training and start up support.

***Accomplishments:*****First instance of GE Fanuc Open Process in a gas plant application, and first for Dynegy Midstream Services.****Successful coordination of site services between Dynegy, Ortloff, BDP Inc. and multiple construction subcontractors.****Expedited project schedule to complete control system scope for Ortloff expansion within six months, from BDP authorization to proceed until loop commissioning.**