

BDP Project Description:**UEG Araucaria Fuel Treater - Control System*****End User / Location:*****UEG Araucaria, Curitiba, Brazil*****Client / Location:*****Optimized Process Design, Katy, Texas*****Control System Platform:*****Emerson Delta V*****BDP Scope:*****Control system engineering services through on-site system commissioning, for a skid-mounted gas plant exported to Brazil.*****BDP Services:*****Detailed Design & Configuration:**

- Equipment procurement and Vendor management.
- Fiber optic network design and equipment selection.
- Custom panel design and assembly.
- Control loop and display configuration.
- Modbus configuration for serial interfaces.
- System integration and test.

Loop Check and Commissioning:

- Loop check sign-off package for shop test.
- Engineering support for USA shop test and on-site commissioning.
- Operator training and start up support.

Accomplishments:**Individual control and IO enclosures mounted and wired on seven process skids to minimize in-country construction requirements.****Successful shop test per skid to verify loop functionality prior to export, using a portable "control room" with temporary fiber connections to each Delta V enclosure.****Expedited project schedule to complete control system scope in less than 120 days, and in a sequence to match process skid assembly and export schedules.**