

BDP Project Description:

Baton Rouge Fractionator - NGL Fractionation Advanced Control Strategies

End User / Location:

Enterprise Products Operating LP, Port Allen, Louisiana

Client / Location:

Enterprise Products Operating LP, Port Allen, Louisiana

Control System Platform:

Honeywell TPS TDC3000

BDP Scope:

Advanced control consulting, design, and implementation to reduce variability in product quality, to optimize setpoints for improved performance, and to maximize feed rates within plant limits for improved NGL product recoveries.

BDP Services:

Feasibility study and project justification.

Field survey and data analysis.

Strategy design and documentation.

Strategy configuration and testing.

Strategy commissioning.

Operator training.

Post-audit and results analysis.

Accomplishments:

Implementation of Advanced Control strategies for improved plant performance across a four tower NGL Frac plant, including DeC2, DeC3, DeC4, and DIB towers.

Implementation of advanced regulatory control strategies to reduce the variation in product quality at each distillation column.

Implementation of setpoint optimization strategies that manage selected setpoints to facilitate operations that are more profitable.

Commissioning of feed maximizer strategies to maximize production against operational constraints and limits on yield reductions.