

BDP Project Description:**Lake Charles NGL Plant - Cryogenic Gas Plant Advanced Control Strategies*****End User / Location:*****CMS Energy, Lake Charles, Louisiana*****Client / Location:*****CMS Energy, Tulsa, Oklahoma*****Control System Platform:*****GE Fanuc 90-70 PLC with LogicMaster and Wonderware InTouch HMI*****BDP Scope:*****Advanced control consulting, design, and implementation to handle feed swings at a cryogenic gas plant located downstream of a LNG receiving terminal.*****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:*****Executed Advanced Control project for improved plant performance at a single-train cryogenic gas plant.**

- **Implementation of advanced regulatory control strategies for improved plant pressure/compression control to compensate for variable feed rate conditions.**
- **Implementation of advanced regulatory control strategies for improved C1/C2 control to maximize NGL recovery and maintain product quality within specification limits.**
- **Implementation of advanced regulatory control strategies to prevent 'Cold Spin' or tower flooding due to feed composition changes.**