COMPRESSOR STATION DESIGN

CSD Engineers has been involved in all phases of compressor station design in the transmission and gathering segments of the shale gas plays in the tri-state area. From full permitting through detailed design, construction management and commissioning/start-up assistance; CSD can be your compressor station design and management solution.

Environmental and Permitting
- Local Building Permits
- Storm Water Control
- Environmental Permitting

Civil/Structural
- Site Survey and Civil Drawings
- Grading Plans
- Foundation Design
  - Buildings
  - Equipment
- Building Design, Specifications and Procurement
  - Compressor, Auxiliary, MCC, etc.
  - Ventilation System Design and Retrofits

Mechanical
- 3-D Design/Drafting Capabilities
- Compressor Station Equipment Layout and Design
- As-Built Package
- Equipment and Materials Specification and Procurement
  - Process Piping Design, Sizing and Layout
  - Vibration and Harmonic Analysis
  - Support Analysis

Power
- Substation Transmission and Distribution
- Overhead Line Design
- Power Distribution

Electrical
- MCC Specification
- Building and Exterior Lighting

Automation and Controls
- Process Control and Monitoring
- Gas Level Detection
- ESD (Emergency Shutdown) System Design
- Systems tie-ins to Individual Unit and Station Control Panels

Other CSD Offerings:
- Construction Management and Inspection Services
- Commissioning and Start-up Assistance
- Acoustical Studies and Monitoring
- Emissions Testing Assistance