



COMPRESSOR STATIONS

EXPERTISE

Compressor Stations are needed to move gas thru pipelines. These could be transmission compressor stations moving natural gas from supply sources to end users; production compressor stations feeding shale gas in transmission pipelines; or storage field compressor stations that support the injection of natural gas to be withdrawn on cold winter days.

The compressor station is designed and built to insure the safe and efficient operation of the compressor unit. Basic Systems has designed compressor stations that used engine driven separable and integral reciprocating compressors, turbine driven centrifugal compressors, motor driven reciprocating or centrifugal compressors. Each unit type has its own unique technical and regulatory requirements.



COMPRESSOR STATION REQUIREMENTS (CONTINUED)

Compressor Unit:

Engine Driven Reciprocating
Turbine Driven Centrifugal
Motor Driven Reciprocating or Centrifugal

Process Systems:

Main Gas
Fuel Gas
Compressed Air
Utility Gas
Lube Oil
Seal Gas
Emergency Shutdown
Standby Power
Unit Air Intake and Exhaust
Process Drains
Coolant
Heating Systems



COMPRESSOR STATION CAPABILITIES

BASIC SYSTEMS, INC.

COMPRESSOR STATION REQUIREMENTS (CONTINUED)



Buildings:

- Compressor
- Power Distribution
- Auxiliary
- Storage
- Office / Warehouse

Supporting Equip:

- Gas Cooler
- Coolant / Oil Coolers
- Filter Separators / Scrubbers
- Gas Metering
- Motor Control Center
- Standby Power Generator
- UPS Systems
- Load Bank
- Liquid Storage Tanks
- Air Compressors
- Air Dryers
- Air Receivers
- Blowdown Separator Silencers
- Vent Gas Reduction
- Hot Water Boilers, Pumps



COMPRESSOR STATION CAPABILITIES

BASIC SYSTEMS, INC.

COMPRESSOR STATION REQUIREMENTS (CONTINUED)

Control Systems:

PLC Based
Station Control Panel (SCP)
Unit Control Panel(s) (UCP)
Remote I/O Panel(s) (RIO)
Scada

Automation:

Design
Programming
Process Control Panels
HMI Development
Start-up & Commissioning
Training
Consulting



COMPRESSOR STATION CAPABILITIES

BASIC SYSTEMS, INC.