



# 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gas in transmission pipelines; or storage field compressor stations that support the injection of natural gas to be withdrawn on cold winter days.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 Standyby 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 Auxilary 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







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#### **BASIC SYSTEMS, INC.**