# (CNG) Compressed Natural Gas Monitoring

## M2M Cellular Solutions

### Benefits

- **Minimize downtime:** Diagnose potential problems before they have a negative impact, and respond immediately with real-time notification if a failure occurs.
- **Improve efficiency:** Monitor machine performance and make real-time adjustments.
- **Improved resource utilization:** Get more out of your skilled resources by having the right personnel with the right parts arrive at the right time.
- **Reduced maintenance costs:** Schedule preventative maintenance based on run hours instead of calendar days.
- **Maximize production:** Know & react immediately to issues.
- **Data management:** All measured data logged to database with built-in trending and graphing functions.
- **Monthly service reports**
- **Automatic technician paging:** With detailed alpha-numeric message, when service is required.

- **Remote diagnostic capability:** Diagnose many of the most common compressor problems remotely without sending a service technician.
- **Warning/shutdown alerts:** Immediately alert personnel if a problem occurs.
- **Increased productivity:** Minimizes unscheduled downtime saving you substantial $$$ in lost productivity.
- **Automatically schedule maintenance**

### Problem

Federal regulation compliance requires continuous monitoring of the assets used in natural gas compressor monitoring. Additionally, field and office staff require immediate alarm notification for predictive failure and if the operation of the CNG is not functioning properly.

There are thousands of CNG’s in the field and most are located in remote locations making it very expensive to maintain monthly phone lines and or Ethernet communications.

### Turnkey Cellular Solution:

**Telog M2M Cellular Monitoring Solution**

Natural gas pipeline efficiency requires the extraction of water from the gas pipeline. This is achieved by compressing the natural gas to push out the water and using a dehydrator to then get rid of that water. If the temperature is too high, equipment failure is imminent. If the temperature drops too low, this indicates a shut down.

Telog will monitor the temperature of the compressor and dehydrator. When critical temperature parameters are reached the wireless Telog RTU will immediately send alarm text messages and emails to field and office personnel.

In addition to immediate alarm data, the client can also access historical trending information remotely via secure login from any web browser to determine what caused the event to occur. There is no software to buy, maintain or learn!

Telog’s cellular solution eliminates costly monthly fees of communication hard lines. In addition to saving our clients money on communication support, the Telog solution requires no solar panels or additional costs for electricians as AC power is not needed.

---

**Telog Instruments, Inc.**

Phone: 585.742.3000 • E-mail: TelogSales@telog.com • www.telog.com

03/13