

iSCADA® AlertServices™ is a world-class turnkey remote monitoring and alarming service. AlertServices is targeted at small-sized remote asset operations. AlertServices includes 24x7 Network Operating Center support, which provides remote system monitoring and customer support. AlertServices are available for gas flow (FlowAlert™), tank level (LevelAlert™), and compressor monitoring (CompressorAlert™). Two general purpose products (StatusAlert™ and DataAlert™) is also available. All AlertServices products include:

### SCADA Functionality

Data acquisition, monitoring, reporting, alarming, and trending.

### Web Browser Access

Universal Internet access to remote operations with intuitive interface, familiar navigation, and no client hardware or software requirement.

### Field and Server Systems

Data presentation application, robust servers, all field equipment (serial connections to existing panels, additional analog & digital I/O, satellite communications, etc.) and connection infrastructure.

### Protocol Support

AlertServices service includes the D+ satellite communications unit, which supports MODBUS communications.

### Communications

Communications expertise and partnerships that provide economical and best-of-class options for appropriate communications links, including spread spectrum, licensed radios, satellite, and terrestrial communications.

### Turnkey Infrastructure

Comprehensive network infrastructure that ensures data integrity, availability and security, and M2M's network operations center provides complete management of the facilities that transport the data payload.

### High Security

Defense-in-depth security including strong encryption of data and communications, multi-factor authentication, IDS, firewalls, hardened OS and system architecture, and stringent security policies and procedures.

### AlertServices Service Details

#### Data Acquisition

Data points monitored:

- ▶ 1 alarm point (Contact M2M to discuss additional points requirements.)

Standard field I/O configuration:

- ▶ 1 serial port interface to compressor control panel (RS232 and RS485 available)
- ▶ 8 I/O channels configurable as follows:
  - ·Up to 8 single-ended analog inputs (0-2.5 vdc), or
  - ·Up to 8 digital inputs (2.5 vdc), or
  - ·A combination of both.

#### Data Reporting

- ▶ 30 alarms per month reported on a report-by-exception basis with a scan rate of four times per minute,
- ▶ 1 health check report every 24 hours





- Monitor** • Know how your remote assets are operating
- Manage** • Use the knowledge to manage your assets
- Optimize** • Lower costs & increase profits

**AlertServices™** is a rapidly deployed, managed machine-to-machine communications platform used for monitoring and controlling remote, mobile, and fixed assets. iSCADA® uses Internet, wireless, satellite, smart field devices, and a mix of proprietary M2M technologies to efficiently communicate operating data between people, devices, and systems.

- ▶ Monthly, turnkey communication services with minimal or no capital expense
- ▶ No new tools or training required; minimal demand on your field crew and engineering resources—turnkey
- ▶ High level of security
- ▶ No customer maintenance
- ▶ Managed upgrade path
- ▶ No application retooling
- ▶ More reliable, available, and scalable system supported by more expert resources, than a single company can afford
  - Backed by Service Level Guarantees.

### AlertServices Features

- ▶ Rental option available (no capital expense)
- ▶ Risk-free 30 day trial
- ▶ Proven, robust and reliable service
- ▶ 99.7% availability guaranteed by Service Level Agreement
- ▶ Automated reporting includes:
  - Run-time report
  - Individual unit down-time reports
- ▶ Battery power option (2 years operation)
- ▶ Simple 1 hour installation
- ▶ 24 x 7 M2M Network Operating Center support
- ▶ Integrates with M2M's standard iSCADA® service
- ▶ Ideal for "First Call" applications

### Options

- ▶ Solar power
- ▶ Engine & compressor lubrication monitoring
  - Total oil flow plus Hi/Lo flow alarm

### AlertServices™ Products

- ▶ StatusAlert™
- ▶ CompressorAlert™
- ▶ DataAlert™
- ▶ FlowAlert™
- ▶ LevelAlert™

