

**DataAlert** is a world-class turnkey remote monitoring and alarming service. DataAlert is targeted at small-to-medium-sized remote asset operations. DataAlert includes 24x7 Network Operating Center support, which provides remote system monitoring and customer support. DataAlert service includes:

#### **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**

DataAlert 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.

#### **DataAlert Service Details**

##### **Data Acquisition**

Standard service includes monitoring of up to 10 data points

(Example: Run status, oil pressure, vibration, suction pressure, discharge pressure, oil temperature, jacket water temperature, external battery voltage, RPM, and first-out-shutdown)

##### **Standard field I/O configuration:**

1 serial port interface (RS232 or RS485) to compressor control panel (e.g. Murphy TTDJ)

8 I/O channels configurable as follows:

- Up to 8 single-ended analog inputs (4-20 mA or 0-2.5 vdc), or
- Up to 8 digital inputs (2.5 vdc), or
- A combination of both,

##### **Data Reporting**

30 daily reports per month plus alarms reported on a report-by-exception basis with a scan rate of twice per minute



## Applications

Any application that  
requires IP network  
connectivity

Monitor over the Internet  
using satellite remote  
communications

MODBUS protocol  
support, RBE, IP  
encapsulation

Remote data collection

Remote control

Compressors

EFMs



**iSCADA™** 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.

### DataAlert 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
- Simple 1 hour installation
- 24 x 7 M2M Network Operating Center support
- Integrates with M2M's standard iSCADA service
- Standard service includes monitoring of up to 10 variables



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