



# Asset Monitoring Products

## Wireless RT-Series

### Wireless monitoring, alarming and reporting solutions for remote sites

The RT-series of products provide a complete wireless solution for monitoring, alarming and reporting on your remote sites. Whether your sites are in cities, rural areas or way off the beaten path, the RT-series is the solution for you. Each RT unit immediately reports all in/out alarm conditions and scheduled updates as frequently as every 5 minutes. Whether your input is an on/off condition, a pulse counter or an analog input, the RT-series can meet your needs. Alarm notification is delivered via voice phone call, e-mail and text messages.

Regardless of the hardware needed for any particular site, the user's internet interface is identical allowing you to set up your own alarm notification methods, generate reports on single or multiple sites, even send requests to a remote site to change an operation or send an immediate update.

#### SCOUT-RT

##### Key Benefits

- Local user interface provides user feedback
- Easy to install and maintain
- Automatic daily reports of total run-time, cycles and flow
- Complete history of all events
- Interactive viewing via the internet

##### Features

- 8 digitals
- 4 analog
- LCD display and keypad
- Textual channel names
- Event and data log
- GSM/GPRS wireless communication with GPS location
- Antenna
- NEMA 4X or wall/flush-mount
- Power supply and battery backup included
- Locally view all channels by name
- Alarm notification via Antx Tracking
- Retrieve status from any phone via text messaging
- Retrieve status via e-mail

The Scout-RT combines a comprehensive local user-interface, wireless communications and the power of the internet to provide a complete monitoring, alarm notification and reporting solution for remote or un-attended operations.

The local interface allows operations personnel to:

- View historic events and data to help diagnose how their monitored system has been behaving
- Take channels out of service
- Change alarm delays on a per channel basis
- View the status of all channels being monitored by name and with engineering units



Wireless communication is accomplished using the modern and fast-growing GSM cellular network to provide information to the internet-based Antx Tracking system. When any channel goes into or out of alarm, all channel information is sent to the Antx Tracking system. The Scout-RT also automatically transmits information on a periodic basis from once per day up to every 5 minutes and provides daily reports.

## Quick and Easy Updates

Alarm notification is delivered via voice phone call, e-mail and text messages.

### RT

#### Key Benefits

- Small package
- Fast installation
- Complete history of all events
- Interactive viewing via the internet
- Quick and easy installation

#### Features

- 2-digitals
- GSM/GPRS wireless communication with GPS location
- Antenna
- Power supply included
- NEMA 4X or wall-mount
- Very small form-factor
- Alarm notification via Antx Tracking



The RT is a very small package and inexpensive wireless system that allows 2 conditions to be monitored, alarmed and reported via the Antx Tracking system. Whenever an input changes condition it is immediately reported and alarm notification is sent out within seconds.

The RT comes in either a panel mount configuration or NEMA 4X enclosure.

#### Antx Wireless RT Product Comparisons

	Scout-RT	RT	RT-Satellite
<b>Conditions Monitored</b>			
Digital inputs	8	2	4/3
Analog inputs (4-20ma)	4	0	0/1
<b>Alarms Available</b>			
On/off	X	X	X
Too many pump/motor cycles in a day	X		X
Too much pump/motor run-time in a day	X		X
Any 4-20ma too low	X		
Any 4-20ma too high	X		
Loss of power	X		
Low battery	X		
<b>Alarm Notification Options</b>			
Voice-call	X	X	X
Text message	X	X	X
E-mail	X	X	X
<b>General Capabilities</b>			
Receive update on demand	X	X	X
Receive periodic update	Every 5-minutes to 1/day	Every 5-minutes to 1/day	Every hour to 1/day
GPS location reported	X		X
All hardware and services included	X	X	X
<b>Physical</b>			
Dimensions	10"Wx12"Hx6"D	Panel: 3.5"Wx4.5"Hx1.3"D NEMA: 8"Wx10"Hx6"D	Sat: 6.3"diameter, 2"H Termination: 8"Wx10"Hx6"D

## RT-SATELLITE

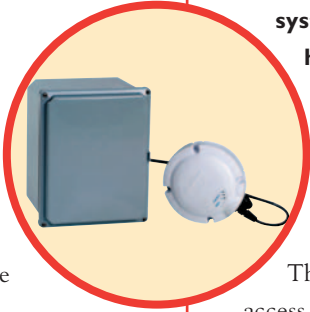
### Features

- 4-digitals or 3-digitals and 1-analog
- Satellite communication with GPS location
- Antenna
- NEMA 4X
- -40F to 158F
- Very small form-factor
- Alarm notification via Antx Tracking
- Complete global coverage

The RT-Satellite is an extremely robust solution for very remote facilities or areas where landline or cellular services are not economical. The system is completely NEMA 4X for any harsh environment.

### Key Benefits

- Works anywhere
- Easy to install and maintain
- Complete history of all events
- Interactive viewing via the internet



## ANTX TRACKING

**The Antx Tracking system is a single user interface for monitoring, managing and reporting on all remote RT systems, regardless of their hardware type.**

A web site that is accessible from any computer with the appropriate username and password.

There are 3 security levels of user access, allowing each customer the ability to provide personnel with the functions they do and do not need.

Extensive alarm notification options that can be tailored to match each system.

All events received from the RT units are logged and are reportable through pre-defined or user-requested reports.

Alarm notification via voice to phone and cell phones, e-mail and text messaging.

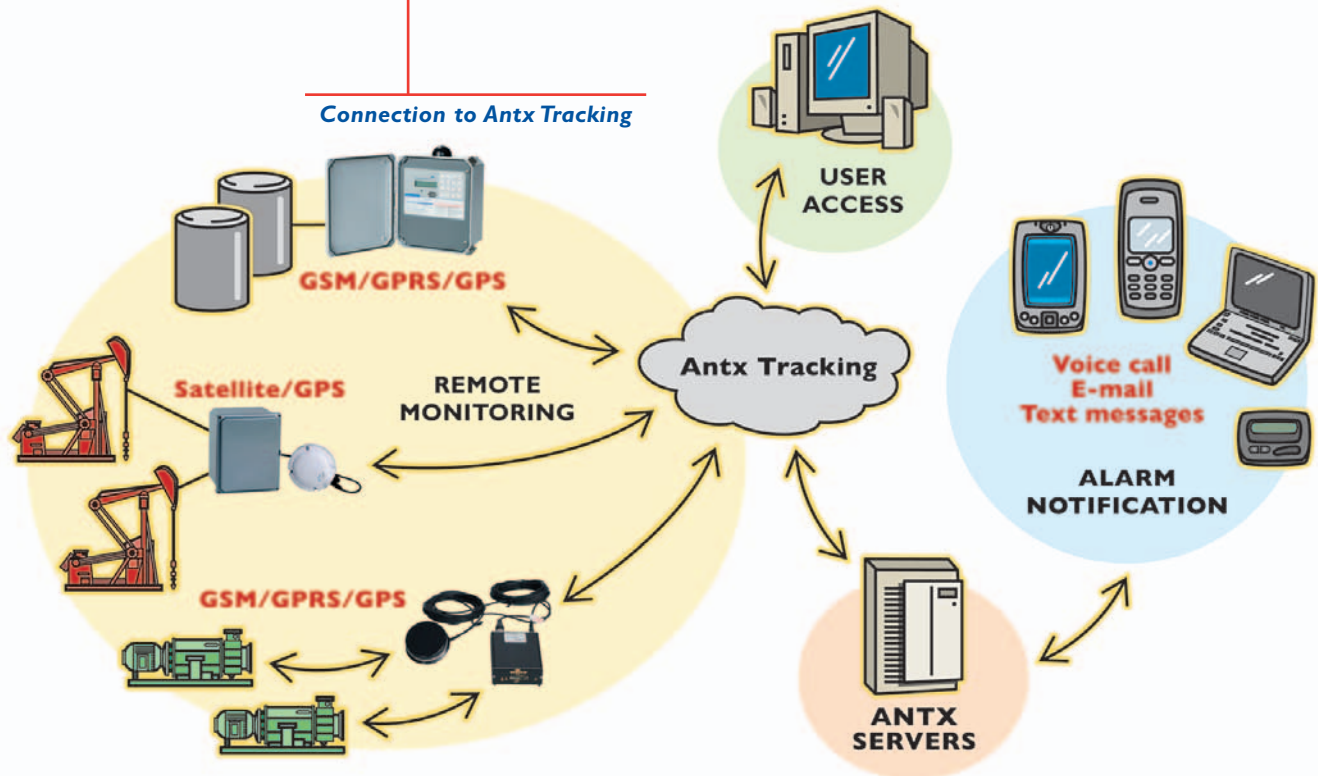
Receive periodic updates automatically or upon request.

View all your sites on one or more maps.

Interactive map features include:

- Hover over the site of interest and instantly see the current data
- As alarms occur, the color and/or shape of a site changes
- Users can assign any color or icon to a site
- Zoom in/out, enlarge, measure distance
- Track service trucks in near-real time

Remote RT systems report via satellite or over the GSM/GPRS always on network. The Antx servers continually monitor communication from all RT systems and issue notifications within seconds of receiving messages. Operations personnel can receive notifications via voice calls, e-mails or text messages. Online users can view all sites at any time from any place via the Internet. Simply log on and view sites on maps or generate reports.





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### Interactive, Accessible and Customizable

A consistent web interface for all users, regardless of what hardware is used at remote sites.

#### User's Internet Interface

You can generate pre-defined reports (figure 1) or specify criteria that you are more interested in viewing. For example, report all daily pump/motor run-times for the last month, total flows for the last week or high level alarms. Reports are generated on screen, and can be printed or saved to files.

Instantly view all your sites on an interactive map (figure 2). Zoom in/out to view specific site information you are interested in. Hover over a site to view the current data from that site. Scroll down and see detailed information about one or more sites.

The main screen (figure 3) provides access to:

- User-defined report generation
- Interactive maps
- Alarm notification messages and methods
- Sending commands to remote sites
- Channel names
- Event definitions
- and more...

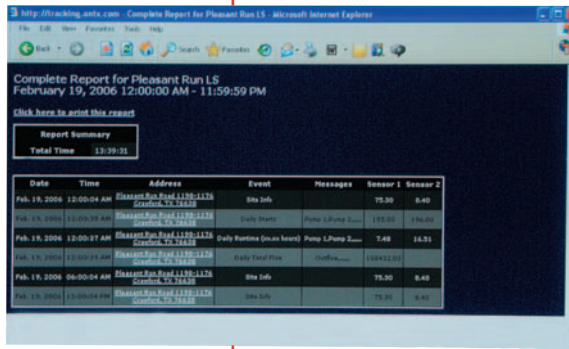


Figure 1

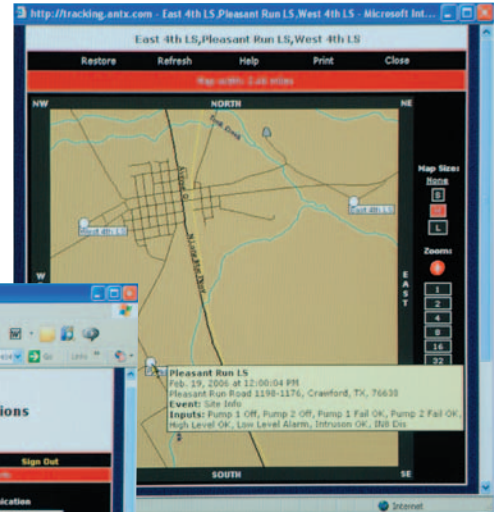


Figure 2

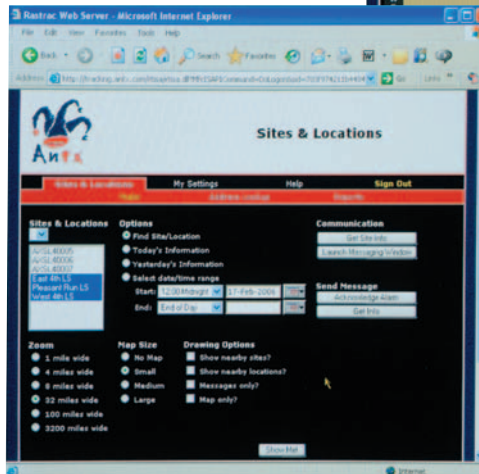


Figure 3

