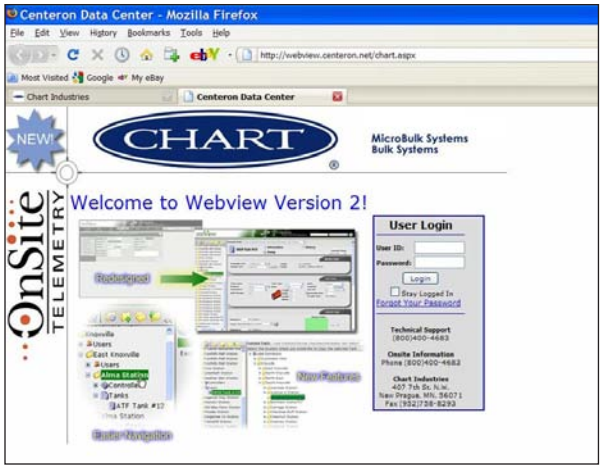
OnSite TELEMETRY

MICROBULK & BULK ASSET MANAGEMENT & WEB SERVICE

OnSite Telemetry is a data monitoring system designed specifically for industrial gas distributors who are looking for a single platform for all their asset management needs. Its versatility allows the monitoring of Chart MicroBulk and Bulk Tanks, as well as high-pressure cylinders and pressure lines. Customer benefits include reduced delivery charges and the elimination of gas run-outs. Distributors benefit from better customer service and improved distribution efficiency, as well as better asset utilization.

The OnSite Telemetry system is driven by three major sensors (tank gauges and pressure) that integrate seamlessly with multiple types of data transmission devices to service any installation, economically. This web-based system is easy to use, allowing data to be retrieved by authorized users or customers anytime over the internet, and it's conveniently self-administered with credit management services through www.chartparts.com. Backed by Chart's service and Robertshaw's Centeron Webview™ proven telemetry platform, you can be confident your hardware and data will be supported and secure.



OnSite Telemetry is powered by:

Centeron®

The World's No.1 Wireless Tank Monitoring System

a division of: Robertshaw Industrial Products

PRODUCT HIGHLIGHTS

Data center web site – www.onsitetelemetry.net

- Simple tank set up downloads to program Controller
- Flexible tank reporting schedule by accounts to control communication costs
- Customizable alert settings for level and pressure with email, text messaging or fax communication
- Full administration rights to commission equipment and set up customer sites from any internet-access computer
- Multi-user access – set up employees, customers or suppliers
- Historical data reports with cost-saving analysis software
- User authorization levels from read-only to full system administration

CHART®

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SENSORS			Used with Scout 1.4 Modem 	*Used with Scout RF 4-20mA 
MARKET	MicroBulk	Bulk	High-Pressure Cylinders and Lines	Cylinder and Line Pressure
TANK SENSORS	Cyl-Tel Universal	Tank-Tel	Pressure Transducers	Pressure Transducers
TYPE	Liquid Level	Liquid Level	Pressure	Pressure
OPTION (P/N)	13141662	11860372 (150" H_2O)	14396034 (300 psi)	14427611 (300 psi) standard
OPTION (P/N)	—	11652101 (760" H_2O)	13423811 (700 psi)	14427620 (500 psi) standard
OPTION (P/N)	—	—	11833956 (3000 psi)	—

The Cyl-Tel® Universal is a differential pressure liquid level gauge designed for Perma-Cyl® storage vessels that integrates with OnSite telemetry. The Tank-Tel® (similar to the Cyl-Tel gauge) is designed for bulk tanks and incorporates a pressure sensor for improved accuracy. The pressure signal can be monitored by OnSite. Individual pressure sensors are available to monitor tank, line, or high-pressure cylinder inventory. Pressure monitoring is useful in critical applications, such as CO_2 service (to prevent dry ice formation from sudden pressure decay), or monitoring laser-assist gas supply in "lights-out" operations.

MONITORS		
MONITOR	Scout RF Interface Board	Scout RF 4-20mA
SENSOR COMPATABILITY	Cyl-Tel Universal/Tank-Tel	Any 4-20mA sensor*
COMMUNICATIONS	RF/Analog Phone/Ethernet	RF/Analog Phone/Ethernet
CHANNELS	1	1
MOUNT	inside gauge	—
P/N	14308823	14063539

The OnSite RF Monitors are available in two types: The Scout RF Interface and the Scout RF 4-20mA. The Scout RF Interface is designed to install directly in a Cyl-Tel Universal or Tank-Tel case. The Scout RF 4-20mA Monitor accepts almost any 4-20 mA sensor, which makes it very versatile for custom applications, (even though it is primarily used with the pressure transducers above*). All OnSite Monitors are pre-programmed to wake up every four hours and transmit the sampled data to the Controller (where the data is stored until the next scheduled call). All OnSite RF Monitors are battery powered (Li-based batteries provide a typical 5 year life and will flag low voltage on the website for battery replacement). All OnSite RF Monitors will transmit up to 500' via Radio Frequency (RF), through obstructions, to an OnSite Controller.

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CONTROLLERS			
CONTROLLER	Scout 1.4 Hard-wired	Scout RF Analog Phone	Scout RF Ethernet
MONITOR COMPATABILITY	NA – hard-wired to sensors	All	All
COMMUNICATIONS	Wired Analog Phone	RF/Analog Phone	RF/Ethernet
CHANNELS	4	1 or 4	40
CALL FREQUENCY	1/Hour to 1/Day	6/Day to 1/Week	3/Day to 1/Week
P/N	13060580	13503504/13645511	14308807

There are four OnSite Controllers available to transmit data to the Centeron Webview server. The Scout 1.4 is hard wired directly to *most* Sensors and has four data channels. The Scout RF Analog Phone Controller is available with either one or four data channels, and is compatible with any OnSite RF Monitor. The Scout RF Ethernet Controller accepts signals from any OnSite RF Monitor and uses a network (Ethernet) connection to communicate with the Centeron Webview server. Also, the Ethernet Controller can handle up to 40 channels (or 40 OnSite RF Monitors). All OnSite Controllers are programmable via Centeron Webview so you can adjust alarm set points and call-in frequency from the convenience of your desktop. Also, all OnSite Controllers come with all the necessary communication cables and power supplies.

CALL BLOCKS	**Quantity**	**Part No.**
	250	13948845
	500	13948853
	1,000	13948861
	5,000	14066983
	10,000	13510384

Call Blocks are easily purchased through www.chartparts.com. Each Controller reporting to the Centeron Webview server counts as one account, regardless of data stream transmission. This feature, along with customizable call frequency (from one call per hour to one call per week), allows the user to meet their customers' requirements and optimize their asset monitoring costs.

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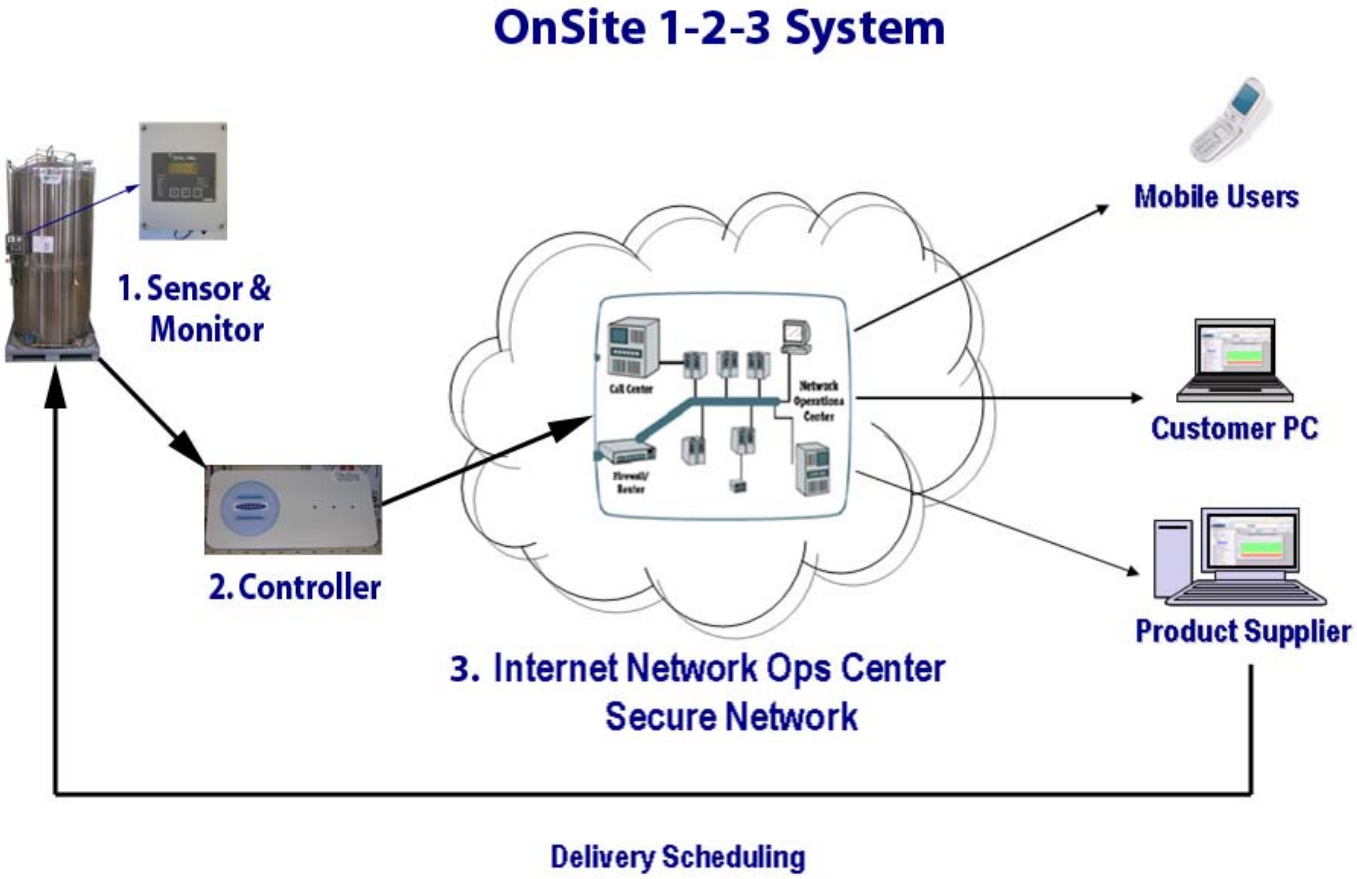

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