

PowerVista™ Software Application Suite

Datasheet



Overview

Telemetric PowerVista is a powerful and flexible suite of applications and tools for managing distribution system assets monitored and controlled with Telemetric intelligent communications devices. PowerVista applications enable real-time access to distribution equipment from any PC using a standard browser by logging onto a secure account created and maintained for each customer. PowerVista can be hosted by Telemetric or located in a customer's data center. PowerVista provides tools to manage:

- Distribution Equipment
- User Accounts and Access
- Communications System Status

PowerVista is an ideal tool for distribution engineers, system planners and asset managers. Using the PowerVista application personnel can quickly identify equipment or system issues from any office or remote PC. This same information is available to field crews equipped with mobile PC's or by notices sent via e-mail, text message or pagers.

PowerVista compliments distribution SCADA systems by providing additional features for engineering, planning and operations. For customers without distribution SCADA systems, PowerVista is a powerful application for managing their equipment.

PowerVista Features

The following features are available to all PowerVista users. No local application other than a standard web browser is required.

Device	Model	Location/Description	Date/Time	Call Type	Radio	Device Description	In Xchange
1121	T422	Telemetric Lobby Unit	1/31/2007 6:37:44 PM	Time Scheduled Report	Analog	Water Fountain	<input type="checkbox"/>
4912	TVM3	TVM3 Analog Radio Demo	2/3/2007 7:06:42 AM	Three-Phase Voltage Report	Analog	Outage and Voltage Monitor	<input type="checkbox"/>
7713	TVM1	Idaho Power unit	2/3/2007 7:45:21 AM	Single Phase Voltage Report	Analog	Idaho Power 3 watt Pole	<input type="checkbox"/>
9784 - 0	DNP-RTM	Relay 1	1/25/2007 10:14:11 AM	Maintenance Call	GPRS	Digital DNP-RTM	<input type="checkbox"/>
9784 - 1	DNP-RTM	Relay 2	11/17/2006 12:55:36 PM	Configuration Report	GPRS	Digital DNP-RTM	<input type="checkbox"/>
9786	DNP-RTM	Cooper Form 6 Demo	1/25/2007 8:45:49 AM	Maintenance Call	GPRS	Form 6 DTEch Demo	<input checked="" type="checkbox"/>
9787	DNP-RTM	Intellicap Plus	2/3/2007 7:58:06 AM	Multi-Change Point Report	GPRS	Intellicap Plus	<input type="checkbox"/>
9965	DNP-RTM	SEL-351R Demo	2/3/2007 7:11:48 AM	Time Scheduled Report	GPRS	SEL-351R Demo	<input type="checkbox"/>
9979	DNP-RTM	Joslyn SEL-351J	2/2/2007 11:04:30 AM	Point Status Report	GPRS	Telemetric Lab	<input type="checkbox"/>
11214	TVM1	TVM1 Multimode in Cascade	12/26/2006 12:24:31 PM	Single Phase Voltage Report	CM-42	TVM1 Multimode Demo	<input type="checkbox"/>

Figure I. Typical PowerVista Device List



9941 West Emerald Street
 Boise, ID 83704 USA
 T: 208-658-1292
 F: 208-323-5575
www.telemetric.net
info@telemetric.net

Equipment Management

- **Device List:** View a list of all equipment on your account such as switches, reclosers, capacitors and many more distribution and transmission system assets
- **Device Status:** Displays digital and analog inputs, counters, and control outputs. View the current status of all devices and drill down to see greater detail
- **Customize the Device List and Device Status screens** to provide only the relevant information for your application, individual user or group of users. For example, a recloser or switch might display just voltage and load amperes.
- **Request updated status information** at any time
- **User Notifications:** Set up customized rules that will send alarm or status change information via e-mail, text message or pager. For example, receive a page for low voltage alarms or high load conditions
- **Send Output Commands:** Control output commands can be sent to any Telemetric enabled device or group of devices
- **Control Actions:** Set up customized rules that will trigger an automatic control action by a Telemetric intelligent device
- **Device Groups:** Create groups of devices that can be addressed with a single command
- **Graphing:** View graphs of analog inputs
- **Export Data:** Users can export data to CSV files or e-mail to share information or use in other applications



home support logout

welcome device list customized device list

Export Customized Device list Maintain Customized Device list logged in as imperial

- » Device List
- » Event Based Actions
- » Customer Information
- » Messages & Recipients
- » Missing Device Report
- » Device Groups
- » Data Export Setup
- » Advanced Programming
- » Device Profiles

Customized Device List

Local Time: 7/14/2006 8:35:02 AM

Display Group: All Devices

Display Query: Smartpin Telemetric Demo

Sort Order: Asc. Desc.

Note: The group and query selected have to be in the same product family. Invalid selection will cause no data to be returned.

Device	Location Description	Date Time	Firmware Version	Fault Upline	Fault Downline	kW Total	kVAr Total	kVA Overall
5167	installed on N-40,11/16/05 (60 cyc. eeprom installed 6/14/06)	7/14/2006 6:56:04 AM	13	7/13/2006 1:03:45 PM Off	7/13/2006 1:03:45 PM Off	7/13/2006 2:01:43 PM 6536	7/13/2006 2:02:00 PM 1735	7/13/2006 2:02:00 PM 6760
7954	Installed 12/20/05 at N - 45 (10 cyc. eeprom installed 6/14/06)	7/13/2006 1:43:48 PM	9	7/13/2006 1:43:48 PM Off	7/13/2006 1:43:48 PM On	7/11/2006 11:29:39 AM 1026	7/11/2006 11:29:54 AM 601	7/11/2006 11:29:54 AM 1190
9111		6/24/2006 11:03:14 AM	14	6/24/2006 11:03:14 AM Off	6/24/2006 11:03:14 AM Off	6/7/2006 8:08:57 AM -2	6/7/2006 8:08:57 AM 12	6/7/2006 8:08:57 AM 13

Figure II. PowerVista Customized Device List

PowerVista™ Software Application Suite Datasheet

Account and User Management

- Create new user IDs and passwords
- Assign access levels to users
- Five levels of user access control: View only, View and request data, Operator, Sub-Administrator and Administrator
- Assign devices to groups
- Update account information
- Manage strong passwords and changes
- Command logging by user for traceability

Communication Management

- View call volume and data usage by device
- View communications performance
- Setup notifications for devices not communicating

PowerVista Security

Each customer's secure account and data is password protected. The account data is backed up daily and is housed on servers with redundant hard drives that mirror the active hard drives. Hardware and software firewalls provide an additional layer of security for the servers. Communications between the Network Operation Center (NOC) and the customer's web browser are encrypted via Secure Sockets Layer (SSL).

- Server authentication using 128-bit encryption key validated by VeriSign Trust Certificate
- Bi-directional data transmission using private encryption keys
- New encryption keys are generated on every log-in
- Two factor authentication using RSA SecureID is

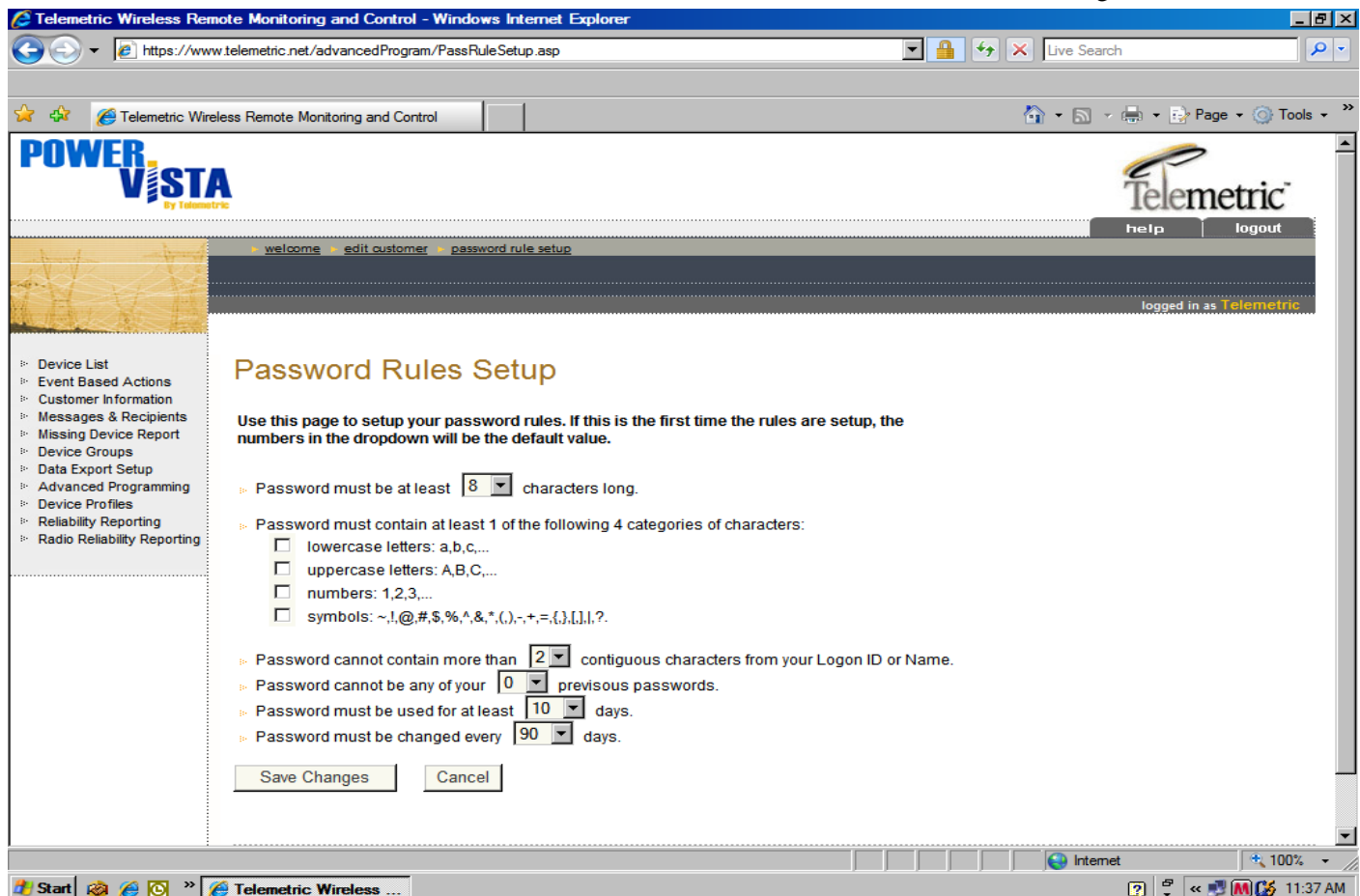


Figure III. Security – Password Rules Setup Screen

available as an option

Network Operations Center Features

When PowerVista is hosted the Telemetric Network Operations Center (NOC) collects and processes data from Telemetric intelligent communicating devices. A Telemetric intelligent device's integrated radio provides two-way communications between the Telemetric module and the NOC via the data networks. PowerVista servers provide users with instant access to this data through their secure account.

The Telemetric NOC is hosted in a special communications facility designed to ensure maximum uptime, reliability and safety for your data.

Telemetric NOC features:

- Redundant, fault tolerant SONET facilities
- Redundant path, dual entry fiber facilities
- Server RAID disk management systems and redundant power supplies

- Hardware firewall
- Automatic server fail-over to hot-standby
- Load balancing server
- Watchdog software applications monitor key processes and notify staff of problems on a 24/7 basis
- Uninterruptible power supplies, including a generator with 24 hours of fuel supply on site
- Halon fire protection system
- Security card access and 24 x 7 monitoring
- Earthquake protection

SCADA-Xchange™

In parallel with PowerVista, Telemetric enabled equipment can also be monitored and controlled through an existing SCADA system using PowerVista's optional SCADA-Xchange™ module via DNP3 or other protocols.

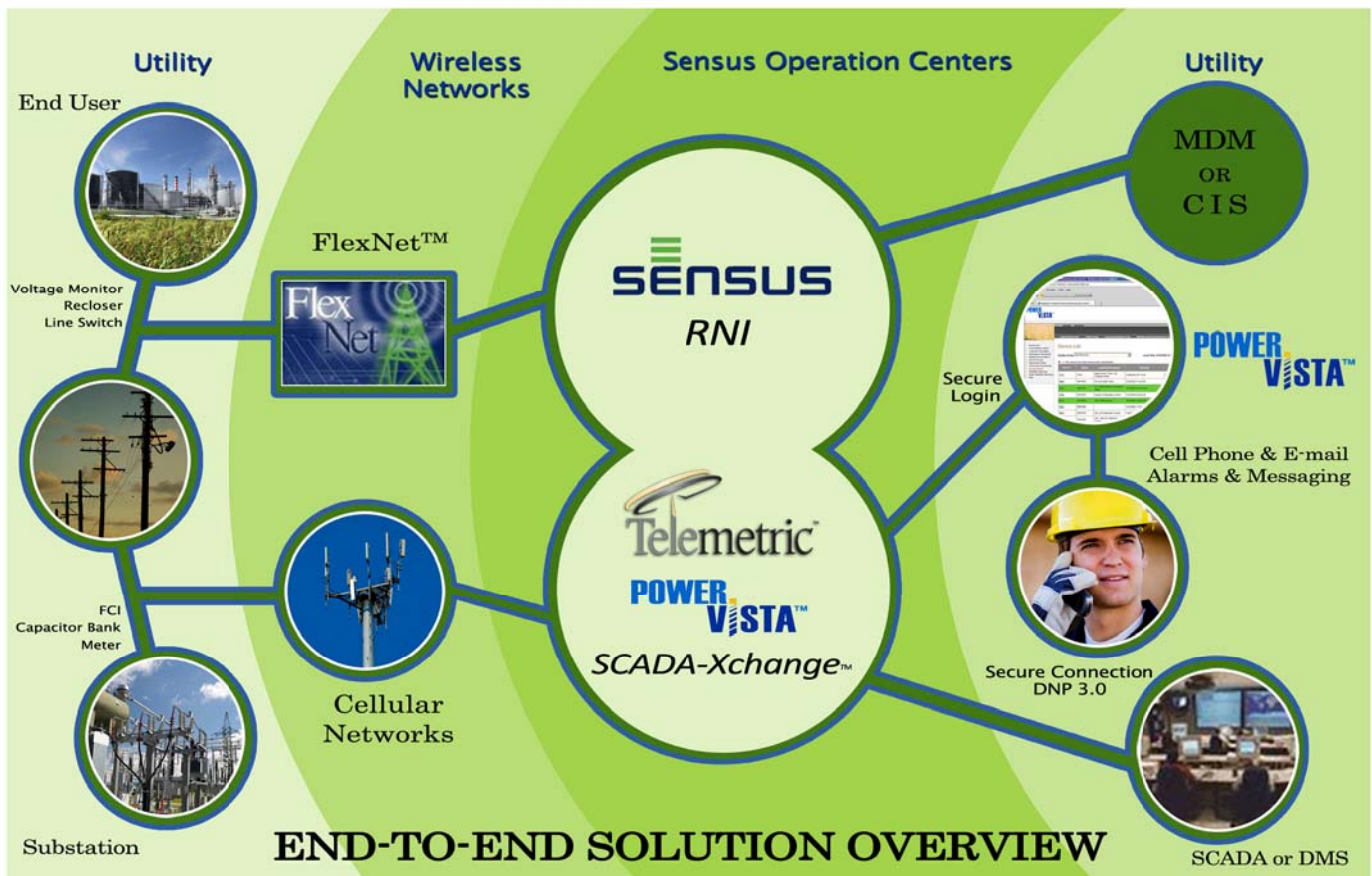


Figure IV. How the Telemetric System Works