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Technologies

Leveraging Power of Wireless[®]

SenzaWMS

Wireless Network Management & Monitoring Framework

The SenzaWMS is a platform independent Java based web application framework that enables centralized management and monitoring of up to 255 SenzaNET wireless device networks. SenzaWMS's web-based user interface is very intuitive, easy to use for administration of SenzaNET networks in any location, from anywhere using a variety of back end interfaces.

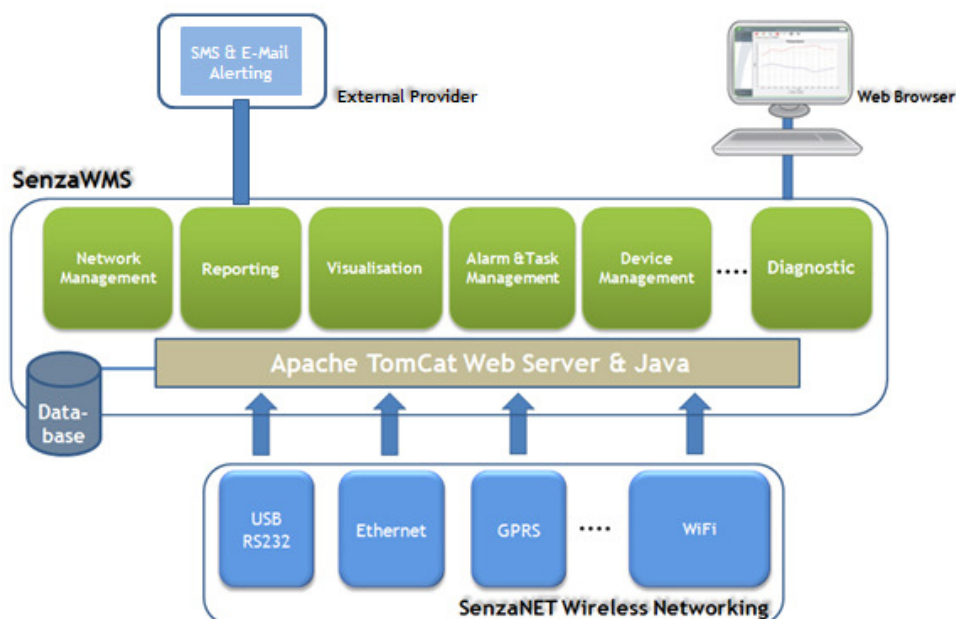
Built on Apache Tomcat, this framework allows users to monitor the network status of each SenzaBlock in the network and configure them individually. Network topology, link quality, battery life, and power source are all conveniently displayed.

SenzaWMS includes configuration support for numerous communication methods. This allows for a single instance of SenzaWMS to manage gateways that are physically connected via different methods. Ethernet, Wi-Fi, Serial, and GPRS methods are all supported.

All sensor, meter data gathered from field devices or meters that are connected to the device network is displayed in real-time. Sensor and meter data is also stored in a database which can be accessed for analysis and post-processing, or transferred to a higher-level system. Alarm and alert can be set for each sensor.

Integration to SenzaWMS framework can be done very quick & easily. A wide range of data export and common integration protocols are supported including Excel, CSV, SOAP, OPC, ODBC, SQL and TCP/IP Socket interfaces.

The new improved release of SenzaWMS 5.1.0 allows now generating alarm notification via E-Mail, SMS or Windows event log, simplified and extended data export possibilities, improved visualization of network node locations and historical views of network routing paths. The system ensures immediate response to any changes in the controlled parameters.










We have taken great care to deliver maximum flexibility while focusing on protecting existing investments in data processing software and systems. Users can integrate SenzaWMS into the IT infrastructure in a non-disruptive and harmonious manner.

Benefits

- Powerful monitoring and management framework with intuitive browser-based GUI
- Centralized configuration, calibration, linearization, localization and monitoring of all devices
- Setting network parameter preferences in system configuration
- Ideal framework for customers considering a backend integration into sensors and systems

Features

		SenzaWMS Enterprise	SenzaWMS Professional
Visualization	Data visualization and real-time statistics	✓	✓
	Network node location 	✓	-
	Network health monitoring	✓	✓
	Authentication and security	✓	✓
	Data export and automatic data backup	✓	✓
Alarms & Events	Alarm notification via SMS, E-Mail & Windows event log 	✓	-
History	Historical routing graphs and management 	✓	-
Network Routing	Network configuration	✓	✓
Administration	Custom device types	✓	-
	Device configuration	✓	✓
	Task management	✓	-
	Custom link list 	✓	-
	Advanced system settings 	✓	-
	Access control 	✓	-
	Remote update 	-	✓ ¹

Specification

	SenzaWMS Enterprise	SenzaWMS Professional
Architecture	Client/Server	Client/Server
SQL database	✓	✓
Interfaces and protocols	USB, RS232, TCP/IP, SQL, ODBC, SOAP, Telnet	USB, RS232, TCP/IP, SQL, ODBC, SOAP, Telnet
Number of networks supported	1 - 255	1 - 255
Browsers supported	Internet Explorer 7 and higher	Internet Explorer 7 and higher
Operating system ²	Windows XP/ Linux	Windows XP/ Linux

¹ This applies only to SenzaGate SG151

² Contact us for information on Windows Vista and Mac support

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E-Senza
Technologies

E-Senza Technologies GmbH
Buecklestrasse 82b · D-78467 Konstanz · Germany
T +49.7531.36599-10 · F +49.7531.36599-29
info@e-senza.de · www.e-senza.com

Authorized Partner

