

MeshScape™ Tank Level Monitoring

MeshScape™ Tank Level Monitoring is Millennial Net's advanced solution for remote monitoring of storage tanks in the Chemical, Oil and Gas, and Environmental Industries. The Solution is based on Millennial Net's proven Meshscape 5424 family of products and is ideally suited to increase Asset Health or improve Asset Optimization by increasing operational efficiency.

MeshScape Tank Level Monitoring Software

Provides an end-to-end software solution integrating the sensor to the enterprise:

- **MeshScape-ULP:** MeshScape Ultra - Low Power software allows sensors and mesh nodes to go into a very low power sleep mode. A configurable "sensor warm-up" period optimizes sensor power while time synchronization ensures that all mesh nodes wake up simultaneously to communicate data traffic.
- **MeshScape-EC:** MeshScape Enterprise Connect software provides all network and sensor configuration and data in a standard ODBC format for data analysis and field automation as well as providing a dashboard.
- **MeshScape Installer:** The MeshScape Installer is a software installation utility for configuring network and upgrading firmware.

MeshScape Tank Level Monitoring Modules

- **MeshGate:** MeshGate, the MeshScape gateway, aggregates data from the network, configures network parameters, enables network features, and acts as a portal to monitor network performance. It can also be customized to include local execution of business logic.
- **Sensor Module:** The Sensor Module can accommodate standard inputs including 4-20mA, 0-5 VDC and Digital Inputs/Outputs which can be used to control sensor power or connect to external Alarms. One to four batteries power both the ultrasonic sensor (3-24 VDC) and integrated wireless transmitter for 1 year.
- **Routers:** Routers extend network coverage, route around obstacles and provide backup routes in case of network congestion or device failure
- **Cellular Gateway:** The Cellular Gateway provides a secure connection from the Sensor/Router Modules through a cellular link to the Enterprise software.

MeshScape Tank Level Monitoring Customizations

Tailor the Solution to exactly meet your needs

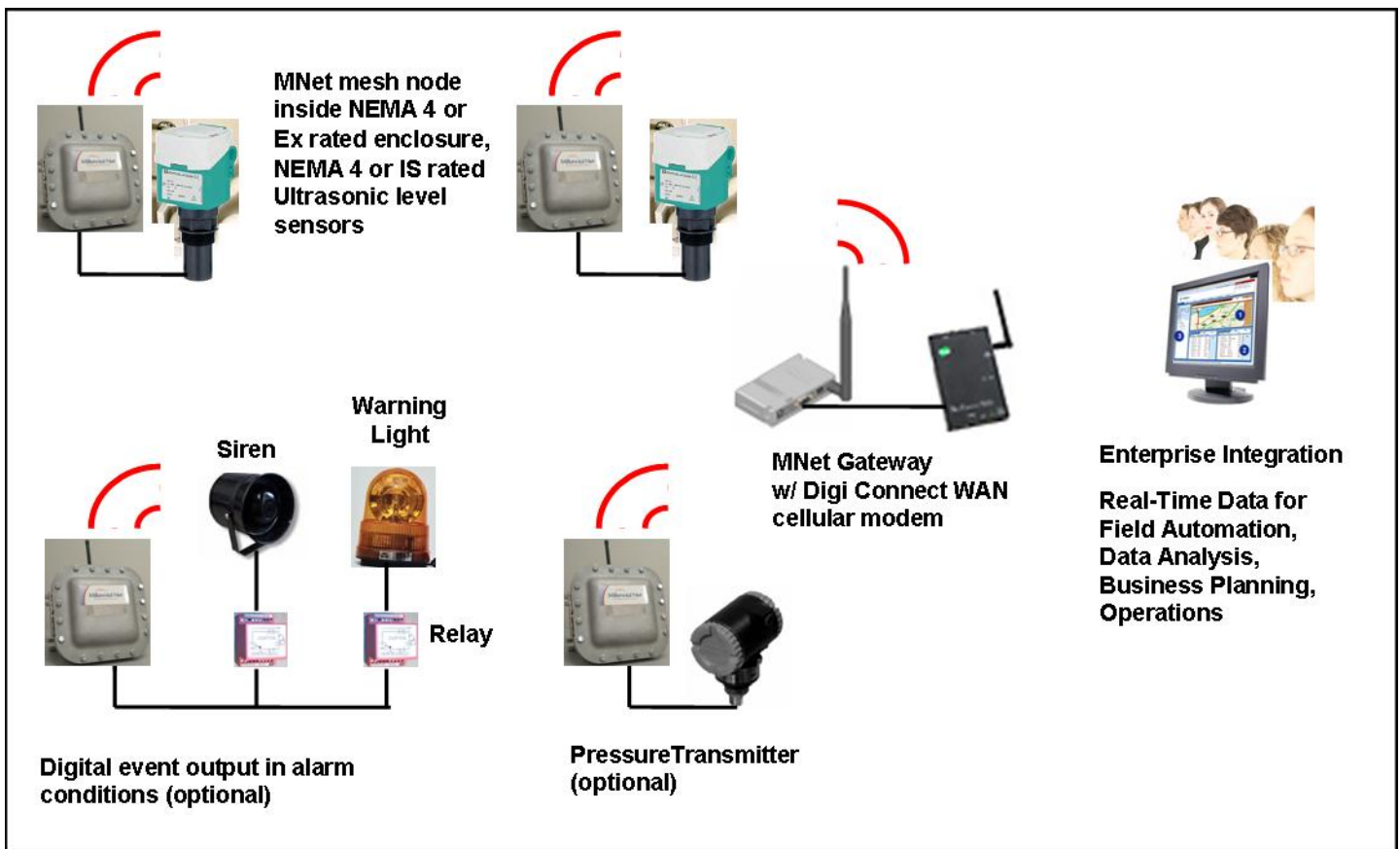
Millennial Net offers a range of Application Services to assist Customers in the Specification, Customization and Deployment of Millennial Net Solutions. Please visit millennialnet.com for more information.



MeshScape™ Tank Level Monitoring

The MeshScape™ Tank Level Monitoring Solution is designed to increase asset utilization and enable predictive maintenance by providing a real-time monitoring and alarm/control capability for remote tanks and other assets. Leveraging the MeshScape 5424 Product family, designed specifically for industrial applications, this solution provides the highest levels of wireless capability including:

- + Reliability >99.99%
- + Battery powered Sensors / nodes > 1 yr
- + Real-time Monitoring up to 1X/sec
- + Standard Range of >50m
- + Ease of Deployment
- + Scalability to over 100 nodes
- + Advanced Security
- + Real-time alarming and control of warning devices
- + Enterprise Connectivity via ODBC or OPC
- + Low Cost of Ownership



For more information on how this and other Millennial Net Solutions can benefit your Enterprise contact us at www.millennialnet.com