

WESROC Introduces Satellite Monitoring System

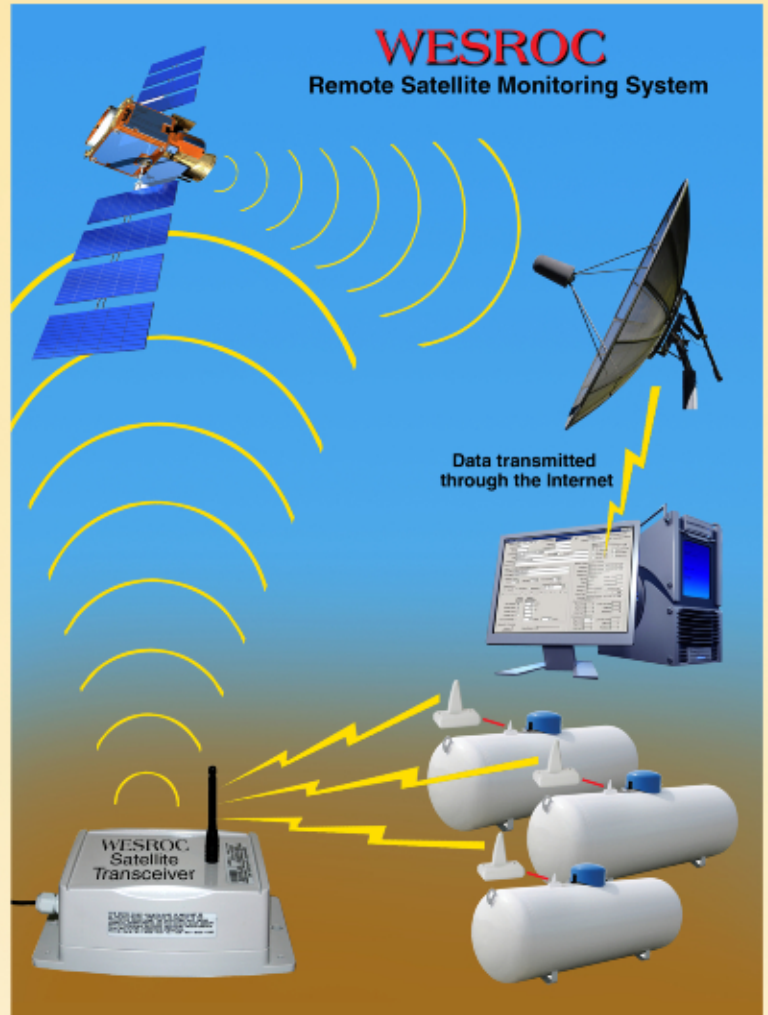
WESROC® Satellite Transceiver successfully completes Globalstar's® requirements for Remote Telemetry Unit (RTU) certification.

The WESROC Satellite Transceiver is designed to work with all other WESROC transmitters including Gas Meters, Level Sensors, Switch Closers, Thermometers, etc . . . and application sensors not yet conceived. The Low Earth Orbiting Satellites (LEOS) receives the WESROC data and transmits it to Globalstar ground segment stations. The data is then sent via the internet to the WESROC SatComm server which processes and presents the data to the Host Computer system and is made available to the Host Administrators.

A unique design feature of the WESROC Satellite Transceiver is its ability to collect and transmit data of up to 15 tank transmitters. Other systems need a transmitter for each tank, which of course, increase the transmission costs to the satellite.

The power source for the Satellite Transceiver may be either AC power, or solar power. The power consumption required for satellite communication makes primary batteries prohibitive. By using external power, reliability of the system is assured while removing the requirement that batteries be periodically replaced. It is expected that once a WESROC Satellite Transceiver is properly installed in the field using AC power, periodic service will not be required. For solar powered Satellite Transceivers, it is recommended that the lead acid battery be replaced every five years.

The WESROC Satellite System is used in locations where conventional telephone networks are either not available or reasonably accessible.



Up to 15 WESROC monitors can remotely transmit data to the WESROC's Satellite Transceiver, which in turn transmits that data to the Low Earth Orbiting Satellite (LEOS). The LEOS transmits that data to the Globalstar ground segment stations and the satellite simplex data network, where it is then delivered through the internet to the WESROC host server.



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