

ETERNICS ELECTRONICS LTD

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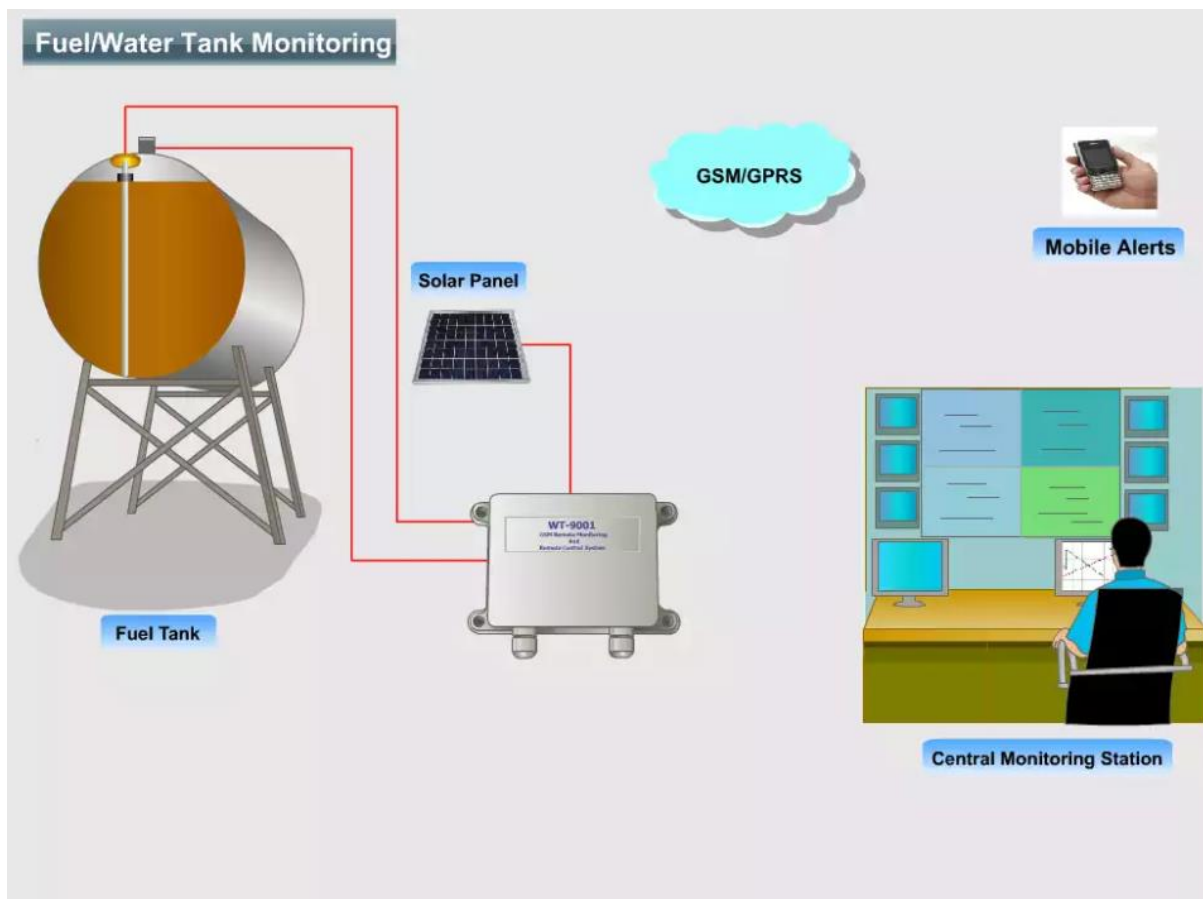
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Quality till eternity

FUEL TANK MONITORING SYSTEM (FTMS-101)



SYSTEM OVERVIEW



The Fuel Tank Monitoring System (FTMS-101) uses state-of-the-art technology to continuously monitor the fuel level in a tank. FTMS-101 also sends alerts to the system users via SMS/GPRS.

The frequency of alerts and the parameters based on which alerts should be sent are all configurable.

For example, the user can decide to receive alerts whenever there's a 1 litre drop in fuel level or whenever fuel is added to the tank etc. The possibilities are endless.

The components of the system are:

1. Fuel sensor
2. Electronic circuitry
3. GSM/SMS Connectivity module
4. Solar panel **(optional)**

A central monitoring system receives all the alerts from each fuel tank and broadcasts the alerts to subscribed users.



Advantages

1. Real time fuel level monitoring
2. Fuel consumption pattern monitoring per fuel tank (based on rate of fuel usage)
3. Fuel leak detection
4. Fuel theft detection and instant SMS alerts upon theft

TECHNICAL SPECIFICATIONS	
Power supply, VDC	5.0 V
Current draw	0.1 A
Explosion-proof design	Yes
Intrinsically-safe design	Yes
Data Transmission Protocol	RS232 (Serial)
Measurement mode	Continuous measurement
Rated Power	0.5 W max
Reverse Polarity	Protected
Resolution in mm	± 1
Max. error	± 1 %
Operating temperature, °C	-40 °C to 80 °C
Dust and water protection	IP55
Ambient temperature measurement accuracy	±2 °C