



SMART LIQUID LEVEL SENSOR

A COMPLETE SOLUTION FOR BLUETOOTH/GSM-BASED
AFFORDABLE SMART LIQUID LEVEL SENSOR

PSE STRATEGIC CONSULTANTS LTD

CURRENT LIQUID LEVEL MEASUREMENT SOLUTIONS

Most systems are using wired sensors for stationary systems

Too high power consumption for non wired solution

Expensive industrial solutions where sensor only can cost upwards \$1000

Mobile systems use usually autonomous level measurement systems

Most mobile systems use mechanical loggers for qty IN-OUT-IN

Data is available only for local consumption and with no remote access cannot be verified easily or monitored

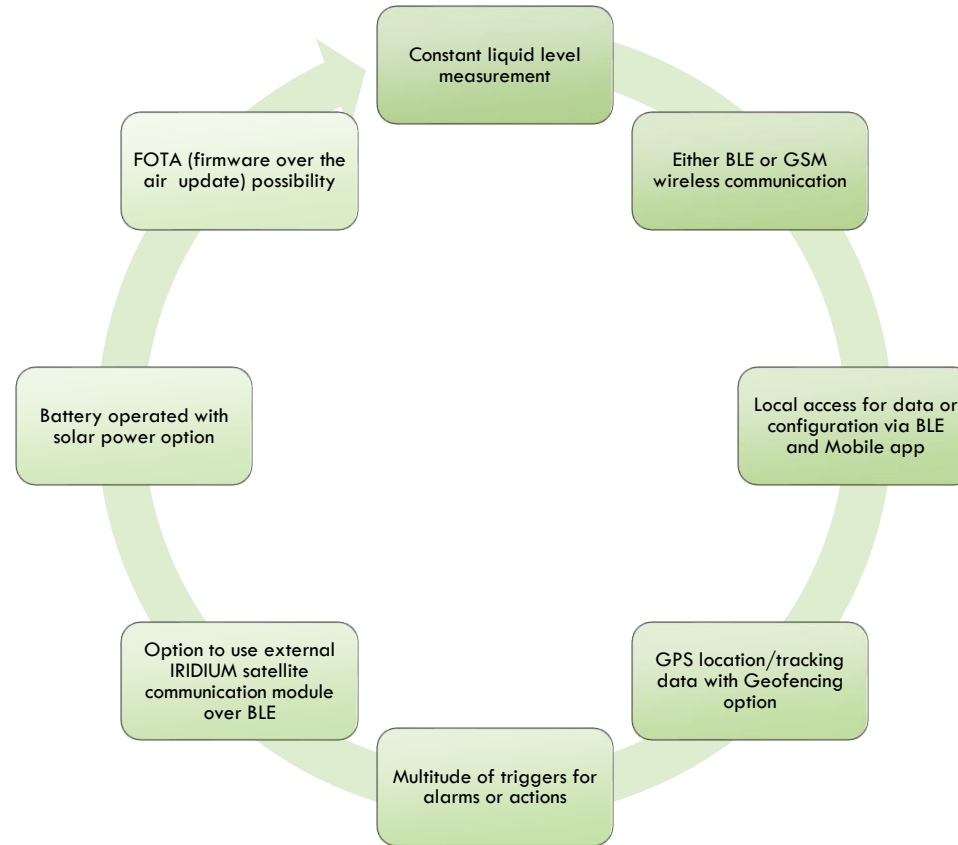
OUR SOLUTION

Using latest electronics with extremely low power consumption to operate sensor in battery/solar power only mode.

Using capacitance level sensor with modern IC's and multichannel compensation system gives us unprecedented accuracy in most trickiest conditions and in wide variety of measuring media

Sensor is only small part of overall solution which includes several wireless communication methods, smart data logging, trigger mechanisms for events, geolocation elements, back-end cloud based control software and much more.

FEATURES



HARDWARE FOUNDATION

- Nordic Semiconductor nRF52840 SOC ARM M4 BLE 5.0
- UBLOX Sara GSM Module
- UBLOX Neo 8 GPS Module
- TI FDC2214 Capacitance-to-Digital Converter



BASIC MANAGEMENT FUNCTIONALITY

