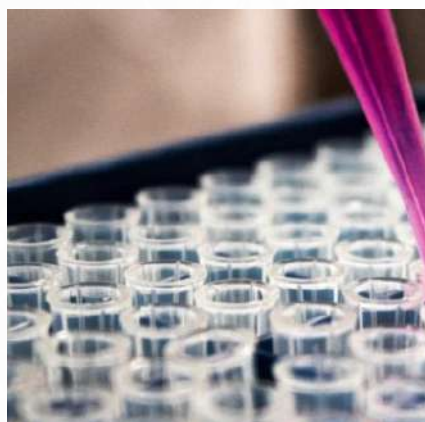




ALPHA ENGINEERING AND SYSTEMS



Ground Water Monitoring

A Measurement and Monitoring Solution

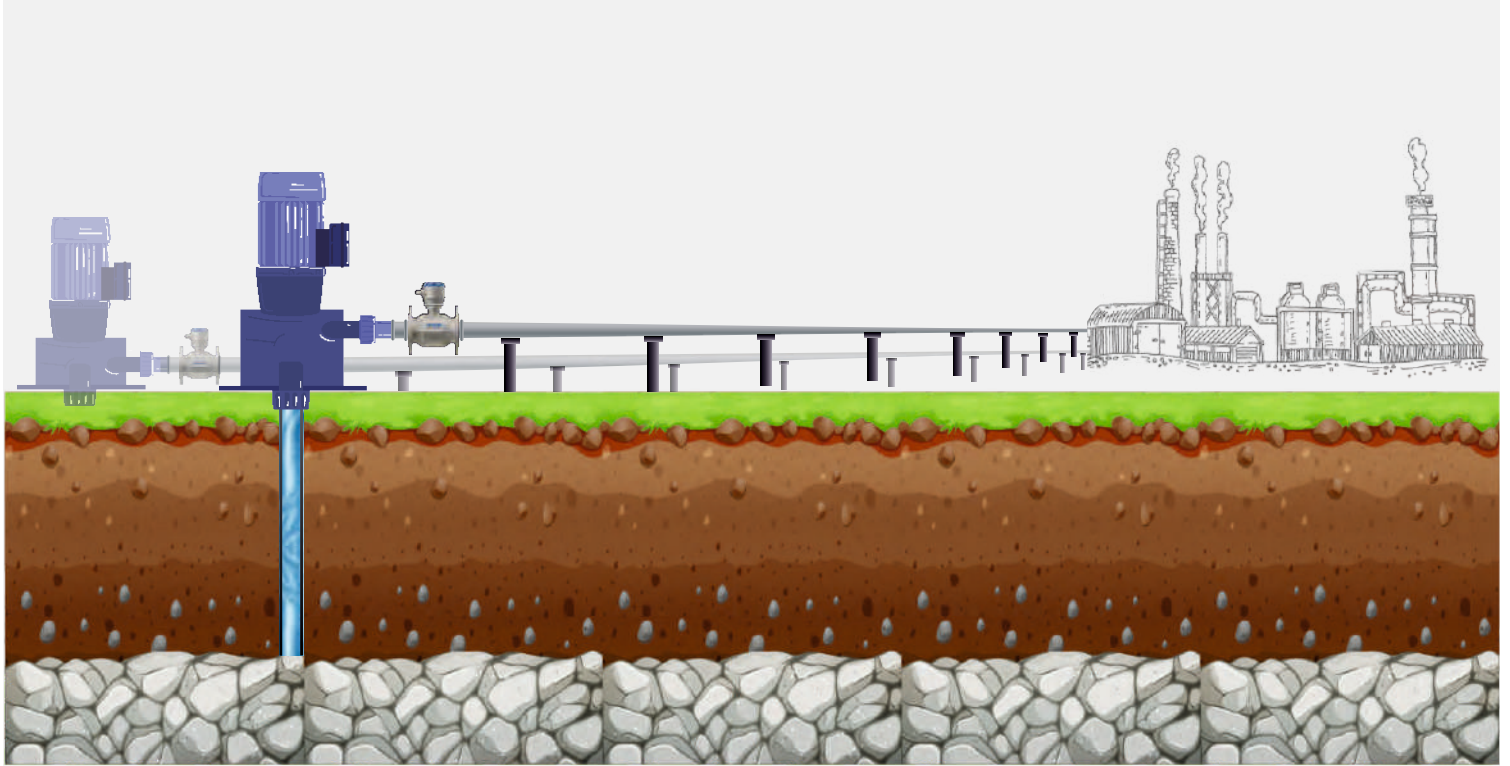


Industrial Automation Experts

www.alphaengg.in

Ground Water Monitoring IOT Solution

Alpha Engineering & Systems has more than 30 years hand on experience in many aspects of Sensors, Transmitters, Flow-Meters, Analysers, Gauges, Signal & Instrument Cables and all Instrument Hardware, covering industries as diverse as Northern to Eastern region and is willing to grow the future business on pan India basis.

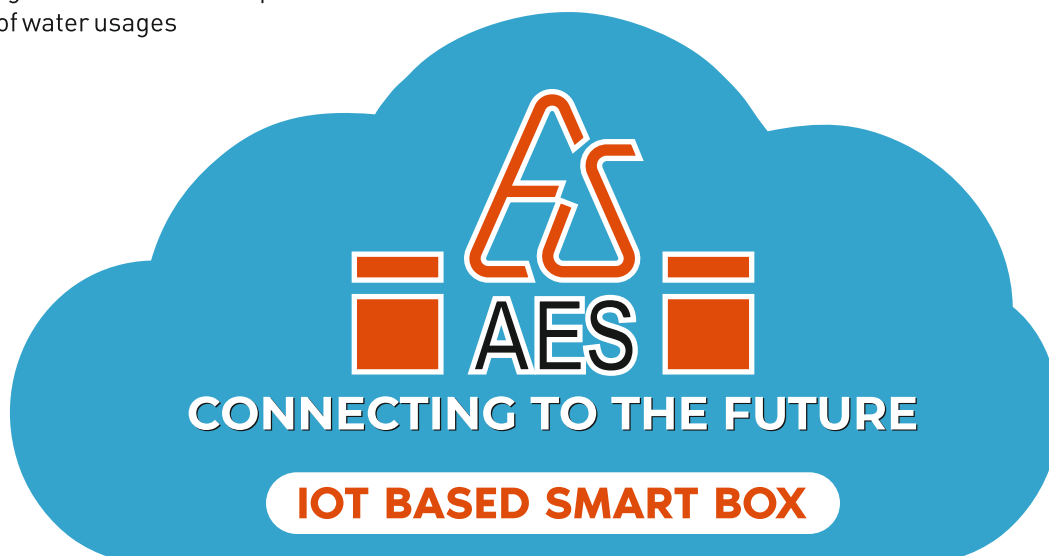


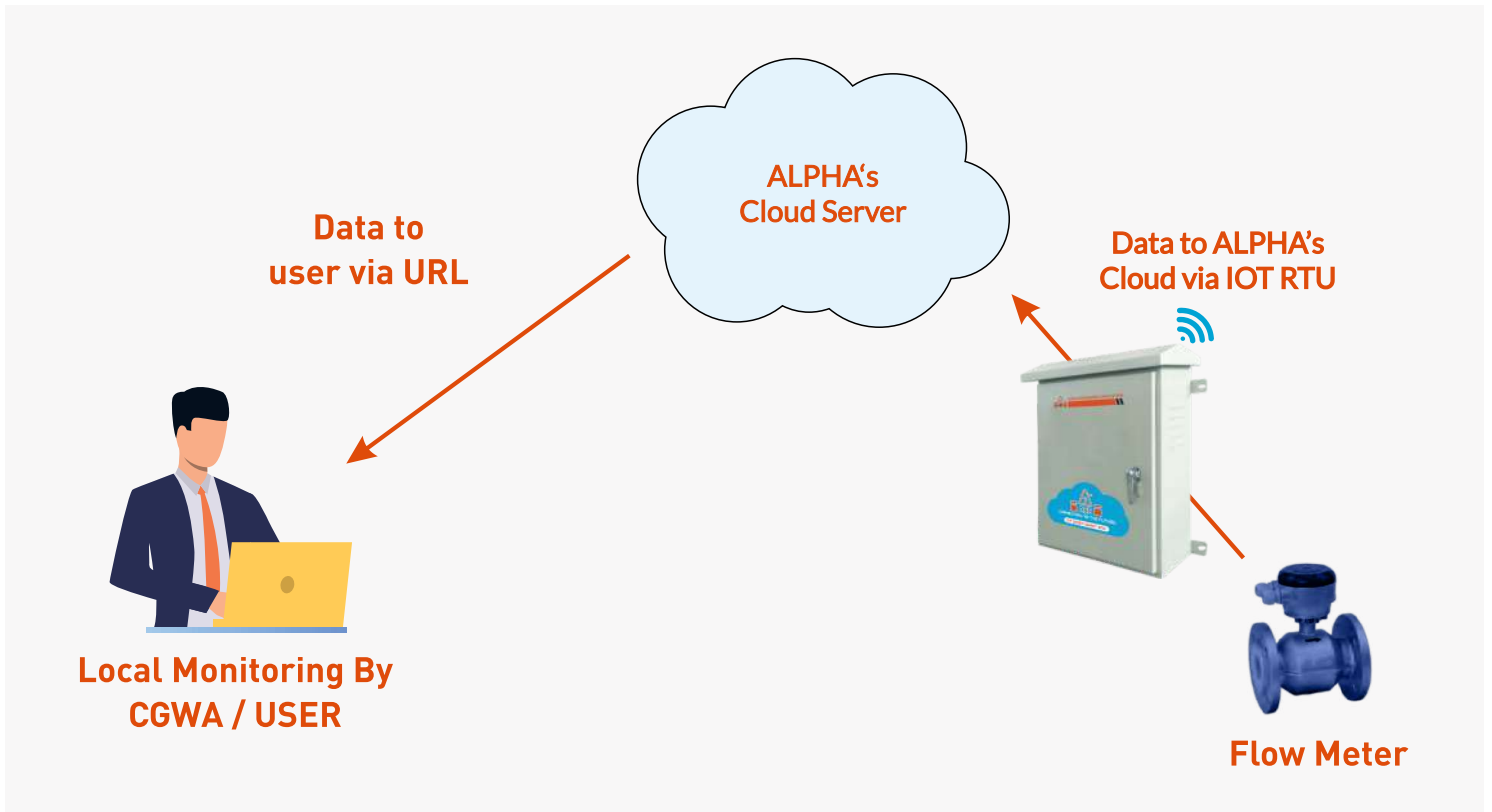
Ground Water is one of the very important sources of water used by almost all the Industries, Mining and other infrastructure project for their routine requirements. Due to free availability of ground water in earlier days, everyone largely used this source. Gradually due to huge urbanization and global warming, the ground water levels have largely depleted. Therefore a central body for ground water monitoring has been formed to keep a tab on it.

Our monitoring solution includes digital flow meters and level measurement devices from ALPHA's range along with our IOT Connectivity Device with RTU based data transfer facility to the IOT cloud servers directly without any manual interventions.

Our Monitoring technologies help users meet the monitoring requirements, enabling businesses to:

- Adhere to CGWA notifications
- Self monitor the ground water consumption
- Better manage of water usages





Our Ground Water Monitoring solution includes a IOT connectivity Device for accepting and transmitting the data coming from the flow meters and Level instruments to the ALPHA's server directly with out any manual interventions as per the current CGWA guidelines. We offer you a complete solution, where a flow meter and a level measurement device are connected online through our IOT connectivity Device to the FM Cloud servers that can provide you data 24x7.

Apart from the normal data monitoring facility, ALPHA also provides packages for the value added services on the data analysis front where we can provide you additional reports on a regular basis to help you understand the complete water cycle for further details on the value added services, kindly get in touch with your nearest Alpha Engineering representative.

Features :

- All important parameters asset-wise
- See quick trends
- Updated in real time

IOT Connectivity Device :

IOT Connectivity Device is a communication gateway device specially designed by Alpha Engineering for the ground water monitoring applications and that meets in the CGWA guidelines. It connects data from the field devices to the IOT server in a secure manner.

Features :

- CRCA enclosure for field mounting
- IIOT based RTU with Edge Computing
- High-grade inbuilt modem for wireless communication
- Encryption based secured communication
- Third party interface through Modbus
- Reliable data transfer for maximizing UPTIME



OTHER OFFERINGS

TEMPERATURE - Thermocouple, RTD's, Thermowells, Temp. Gauges, Signal / Compensating Cables, Temp. Transmitters

PRESSURE - Pressure / Vacuum/Compound Gauge & Transmitters

LEVEL - Level Gauge & Switches, Level Transmitters Capacitance, Hydrostatic, Ultrasonic, Conductivity, Vibrating Fork & Radar.

FLOW - Orifice/Flow Nozzle based Flow meter, Mechanical Water Flow meter, Magnetic, Vortex, Mass & Ultrasonic Flow meters.

ANALYSERS - Conductivity, pH, Dissolved Oxygen Sensors & Transmitters, Oxygen & other Gas Analysers.

DIGITAL INSTRUMENTS - Process Indicators/Controllers, Scanners, Data Loggers & Signal Isolators.

INSTRUMENTATION HARDWARE - Condensate Pot, Manifold & Isolation Valves, Syphon, Snubber, Fittings etc.

SOLUTIONS FOR PROCESS INDUSTRIES - Engineering, Integration from field devices to process controls.

CONNECTING
TO THE FUTURE



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