Water is essential to all forms of life on our planet. Water is also a vital resource for agriculture, manufacturing and many other human activities.

All industrial operations produce some wastewater which must be returned to the environment.

The rise in the number of industries in the country, has seriously increased the pollution. Consequently national laws have been enacted to protect the environment from this pollution. Therefore it is mandatory for such process industries to install Effluent Treatment Plants (ETPs) to treat wastewater before it leaves the factory premises.

The difficultly that many of these industries face is that effluent treatment is not part of their daily business. However, in order for these ETPs to function effectively and meet national standards they require regular and proper monitoring.

Need for remote monitoring:

1. Limited access of qualified engineers at remote sites
2. Possible human related errors in monitoring
3. Enhanced troubleshooting
4. Comprehensive monitoring for preventive maintenance
5. Continuous monitoring reduces possibility of plant shutdown
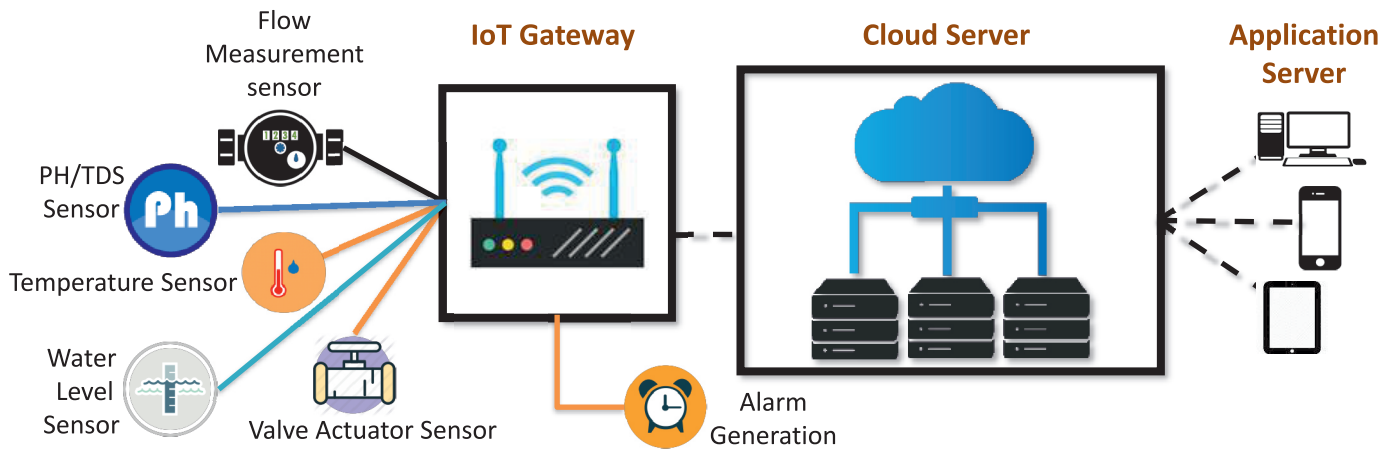6. Real-time reports

OUR OFFERING

Digital Reach provides complete IoT gateway / controllers from data acquisition, transmission (3G/LTE/Wifi) and computing in order to help our customers use intelligent systems using our extensive resources. Customers can focus on their smart applications with minimal system integration effort. Our solution offerings & services are fully compatible with most of the applications and provide all the components customers need for building an intelligent system.

FEATURES

- Real-time data acquisition and monitoring
- GSM/GPRS based solution, no need of laying communication cables.
- Cloud based solution, does not require software installation.
- Monitors Ph, Flow, TSS (Total Suspended Solid) / TOC (Total Organic Carbon) DOC (Dissolved Organic Carbon)
- Monitors BOD (Biological / Biochemical Oxygen Demand)
- Monitors COD (Chemical Oxygen Demand)
- Keeps automatic record of above parameters / trends and dashboard.
- Alarms over email and SMS
- Alarm history and reset reports
- Manage all your Effluent Treatment Plants on a single platform form anywhere.
- Raw data can be transmitted simultaneously to SPCBs /PCCs and CPCB for immediate corrective action

Waste Water Treatment Plants Monitoring

Flow Measurement sensor

IoT Gateway

Cloud Server

Application Server

PH/TDS Sensor

Temperature Sensor

Water Level Sensor

Valve Actuator Sensor

Alarm Generation

BENEFITS

- ➲ Real-time information / data for O&M activities

- ➲ Optimise resource and work force deployment

- ➲ Improved decision making

- ➲ Manage operating expense and reduce capital expense with better planning

ABOUT US

Digital Reach is an IoT based solution company. We are experts in combining technical knowledge and insights from our extensive experience in the field to create Internet of Things (IoT) solutions, with our strong focus on innovation and integration with customer domain expertise. We create monitoring and control products and solutions that improve processes and services for our customers.

With our expertise is in embedded hardware development, embedded software development, system integration and project execution, in everything we do, we apply our values of respect and honesty through a commitment to teamwork and a high degree of responsibility to our customers, not only to satisfy but also to exceed our customer's expectations.

Digital Reach Pvt Ltd