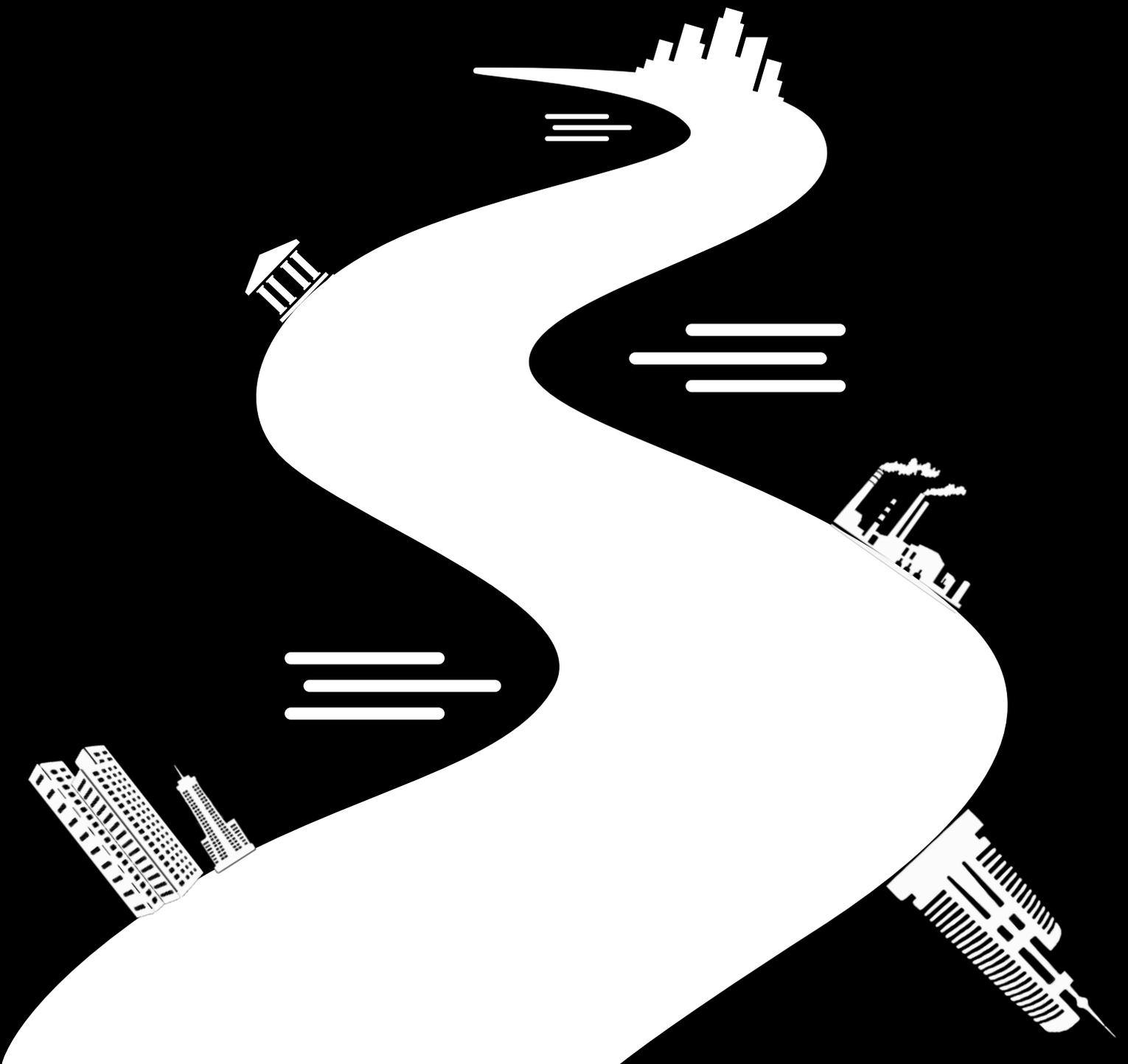# iWQMS

Intelligent Water Quality Monitoring System for Industrial and Commercial Purposes

iWQMS

Intelligent Water Quality Management System (iWQMS) is an advanced real-time water quality monitoring system from Aeron.

The system complies with the CPCB guidelines and monitors numerous parameters in real-time and feeds the data on the specified server. All the sensors are directly connected to the data logger.

iWQMS is powered by Aeron's high resolution versatile XTREME family of data loggers which are designed to perform in challenging conditions.

All the sensors are RoHS compliant. Data is stored both over the cloud as well as in device memory. The device functions as a completely standalone system and remotely monitors, logs and sends real-time data over GSM/GPRS network. The data is accessible on computers and handheld devices.

iWQMS is ideal solution for monitoring of water quality in STP, ETP, WTP and other industrial, commercial and domestic applications.

Features

Data logger housed in a IP65 compliant enclosure

High resolution data logger (A/D 24 bit) for flawless parameter logging

On site data logging and access via cloud

Configurable and scalable system best suited for the water quality monitoring applications

iWQMS is equipped with sensors to monitor following parameters

Parameter	Utility (ETP/STP/WTP)	Domestic/Commercial	Industrial (Fertilisers/Tannery/Chemicals)
pH	0 -14	0 - 14	0-14
Total Suspended Solids (mg/L)	0 - 2000	0 - 500	0-2000
Oil and Grease (mg/L)	0 - 100	0 - 100	0-100
Turbidity (NTU)	0 - 1000	0 - 1000	0-5000
COD (mg/L)	0 - 50,000	0 - 1000	0-5000
BOD (mg/L)	0 - 1000	0 - 1000	0-1000
DO (mg/L)	0 -100	0 - 100	0-100
MgCo3 (mg/L)	0 - 2000	0 - 2000	0 - 2000
Conductivity (µS/m)	0 - 1000	0 - 1000	0 - 1000
Sulphate (mg/L)	0 - 5000	0 - 2000	0 - 5000
Temperature (ºC)	(-40) - (+100)	(-40) - (+100)	(-40) - (+100)

Apart from the sensors listed above, iWQMS can also be used to monitor hardness, chlorides, iron, alkalinity, manganese, silica and all other important parameters in accordance with the CPCB guidelines.

IoT Solutions from Aeron

**Aeron specialises in providing customised IoT based monitoring solutions.
Some of our offerings are :**

Road Weather Information System

Flood Monitoring System

Weather Monitoring Station for Solar Plants

Smart Parking System

Air Quality Monitoring System

Automatic Weather Station for Smart Agriculture

Dam Monitoring System

Sound and Noise Monitoring System

Industry 4.0

Water Quality Monitoring System

About Aeron

Aeron is a fast growing tech company developing innovative solutions for global customers. Aeron offers a wide range of tech-driven products and solutions under Inertial Sensing and IIoT verticals. Backed by strong technical knowhow and refined algorithms, Aeron's products offer premium features at attractive price point. Passionate people, well equipped manufacturing, testing facilities and excellent support mechanism make us the trusted partner of our customers.

aeron®

Aeron Systems Pvt. Ltd.

Plot No. 7, Lane No.5, Laxman Nagar,
Balewadi, Pune, Maharashtra 411045

Phone: +91- 20 6710 2300
Email: sales@aeronsystems.com
Website: www.aeronsystems.com

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