

# Water Management Solution

Powered by **IoTivity**



# Who We Are

Incorporated in 2017, we are a technology driven, DATA acquisition & Connectivity provider company. IoTivity strives on SIM – **SMART, Innovation & Management**, with its focus on to bring out the best of the man and machine harmony.

We primarily work as an IoT based complete solution provider, that aims in creating socio impact. We recognize the ever-changing techno-commercial diorama and constantly keep updating ourselves to cater our client's need and keep their business running smoothly.

A humble start with a mix of passionate business professionals and technology experts, which gives us the ability to have a better understanding of not only client's technical needs, but provide them a value for money solution each time.



An ISO 9001:2015 & ISO / IEC 27001:2013 Company



2017 Founded



100+ Satisfied Customers

# Our Vision & Mission

## Our Vision

*Go Green – Drive IoT enabled “Green India”.*

## Our Mission

*Align with Global initiatives in contributing to making India a Smart, Clean, Green, Rich in natural resources nation using IoT.”*

Already aligned with Govt initiatives like Nirmal Bangla, SBM, Water Policy, AMRUT, JNNURM etc.



# Snapshot of What We Do



## Connectivity Solution

We are the second company in the country to introduce multi-operator embedded SIM into the country. Under the mandate of Govt. of India these are used in m2m communication and AIS104 standard GPS-VTS applications as part of the GOI's intelligent transport project.



## Smart Environment Management

For advanced users we provide remote control solutions based on our in-house developed application platform for river water flow & level monitoring, temperature and humidity monitoring, environment and weather stations (Disaster management), pollution control.



## Smart Water Management

We have expertise in sensor based automation of various use cases in SMART Water Distribution and Quality Management using IOT technologies. We provide water pump automation and level management solutions in the domestic, commercial and industrial sectors along with host of other sensor based solution.



**SMART WATER  
MANAGEMENT  
SOLUTION**

## Scope of Work

Pilot study on Smart Water Management under Mangal Pandey water supply system in North 24 Parganas district, West Bengal.

## Location / Authority

Mangal Pandey – PHED, West Bengal  
DHI (India) Water & Environment Pvt. Ltd. in Joint Venture with Tata Consulting Engineers Limited (TA Consultant of ADB), On behalf of Project Director, WBDWSIP, PHED

## Project Duration

14<sup>th</sup> – 28<sup>th</sup> February, 2020 (2 Weeks).

Commissioning



Real-time data monitoring was done. All data was availability over web-portal and through API.

Project Impact



The Data collected was used to do further analysis by the client. The data is now fed to PHED servers for real-time monitoring.



Water distribution loss due to leakage at pipeline

Ultrasonic Flow meter

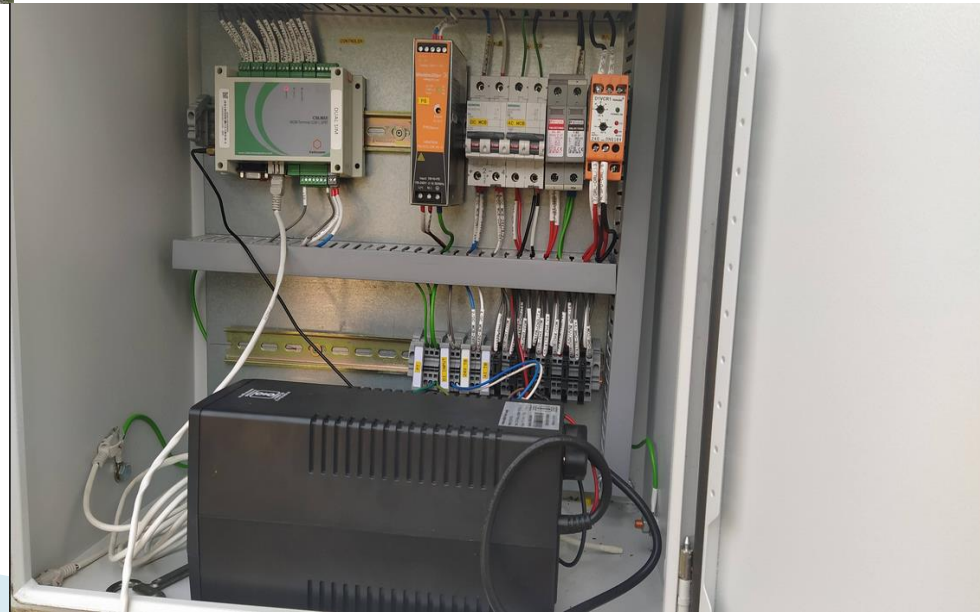






## System Calibration & Configuration

## Instrumentation Panel



Kolkata  
30<sup>th</sup> March 2020

**TO WHOMEVER IT MAY CONCERN**

This is to certify that IoTivity Communications Private Limited based in Kolkata, has successfully completed Pilot project on smart water management under Mangal Pandey water supply system in North 24 Parganas district, West Bengal.

The system constituted Real Time Water flow and pressure monitoring using Ultrasonic flow water meter at five locations. The system used multi-operator SIM card for Data communication which gives us 99.99% system up-time.

The System worked perfectly and provided round the clock real time information on water in-flow and out-flow data for further analysis. All reports and data were visualized at [water.iotivity.in](http://water.iotivity.in) web-portal.

Their Service to educate the users to manage the system is proactive with constant monitoring of the system.

We are delighted to install the system.

We wish them successful endeavors in the future.



**Hans G. Enggrob**  
M.Sc., eMBA  
Team Leader  
Smart Water Management Consultants, WBDWSIP



The expert in **WATER ENVIRONMENTS**

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# Contact Us



WE ARE  
JUST A CALL AWAY

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End