

Water Initiatives & Solutions

ADB e-Marketplace for Water Management

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SMART WATER MANAGEMENT SOLUTION

Water Management Solutions Embed To Address

Complex Urban-environ

Nature-based resilience options for supplementing the vintage and under-designed infrastructure.

Climate Change

Climate change prognosis to address vulnerability, risk and exposure to biotic, abiotic and build environment





Situation Analysis & Model Scenario

Examine cause, process, & potential impact in data-scarce environment

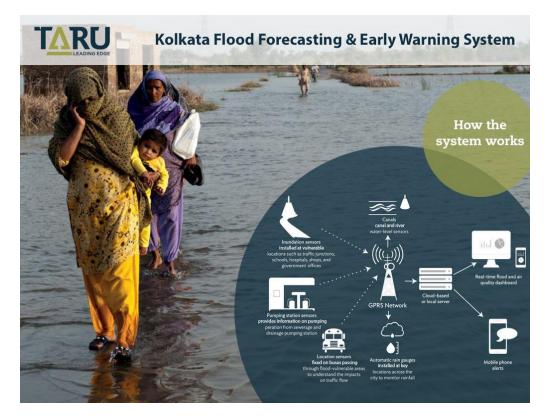
Tech Enable Modular Solutions

Smart Digital technologies, to capture real time data (IOT) & facilitate inform decision making



WATER MANAGEMENT SOLUTION

Taru's water management solutions evolved around nature based and community led decentralized frameworks supported by smart digital technologies addressing data scarcity, vintage/crumbling infrastructure issues and evolving urban context



Cutting-edge Flood Early Warning System using IoT/sensor – Kolkata



Water Resilience through Lake Conservation using Artificial Island Concept - Indore

WATER RESILIENCE SOLUTIONS



Taru's has demonstrated several community based decentralized water management solutions addressing resilience, supply, quality and source sustainability issues



Rain Water Harvesting Services-Indore



Conjunctive Water Services- Indore



Wastewater Management - Indore



Community Water Supply Services



Household Water Storage for Poor Families

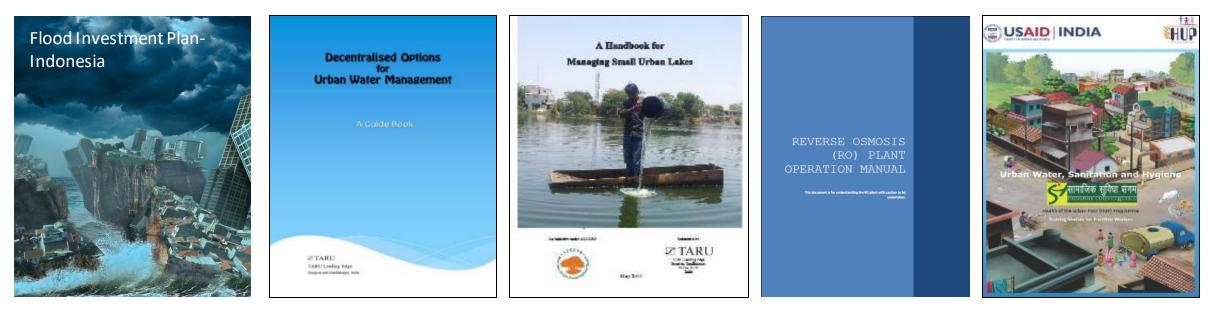


Water & Toilet Service –Cuttack & Bhuvneshwar

WATER POLICY AND STRATEGY INITIATIVES



Taru has worked extensively on policy, strategy, investment planning, design and tech options, and flood and water resilience plan addressing water management issues





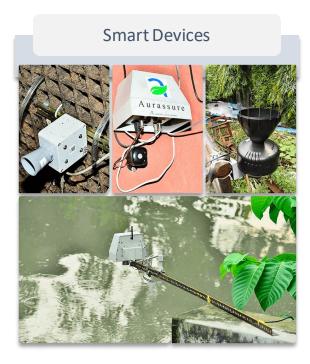
Key Studies/Strategy/TA Work

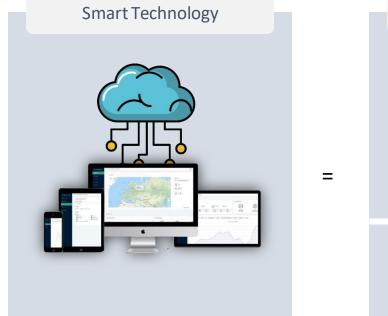
- Institutional Development, Human Resource Development and Economics Inputs to the Bangalore Water Supply and Environmental Sanitation Master Plan Project
- Promotion of Integrated Water Resource Management in Peri-Urban Setting of National Capital Region of Delhi
- WASH Alliance for Visioning Enhanced Sustainable Services at Scale (WAVESSS)- Odisha
- Multi-sector Assessment of Drought Impacts in Select Regions of South India
- Strategy For Equitable Sustainable Water Service Delivery-Odisha
- Community Development and Alternate Approaches of Services Delivery to the Urban Poor Component of the Bangalore Water Supply and Environmental Sanitation Master Plan Project



A ROBOUST SOLUTION CONTAINING

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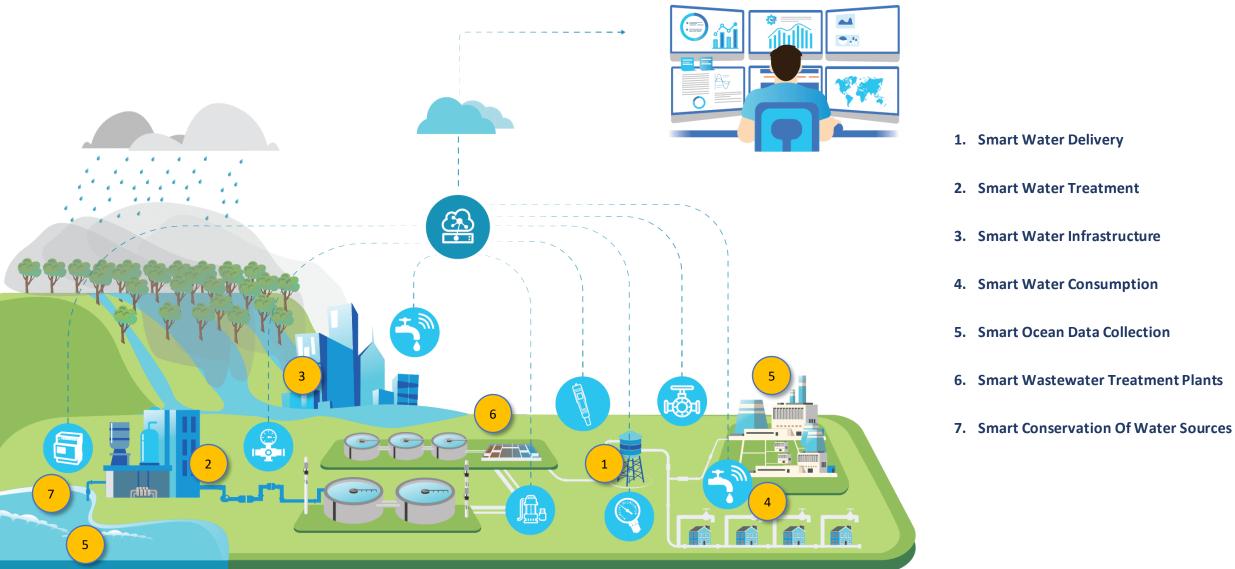






WATER MANAGEMENT | IN A NUTSHELL

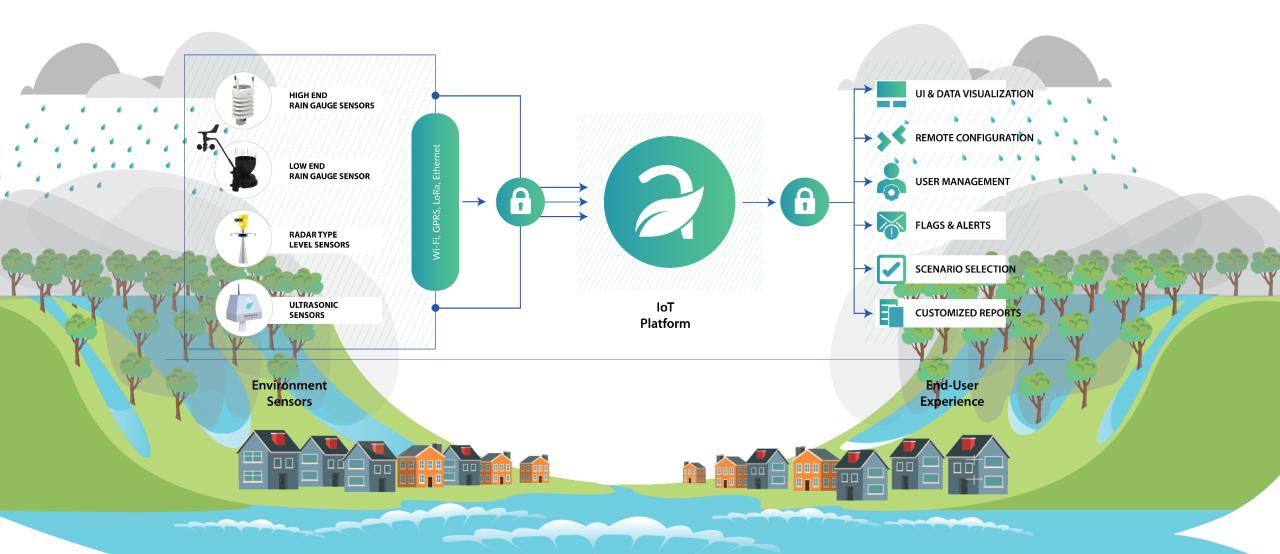
Smartening-up water systems & Building resilience for a brighter future





URBAN FLOOD MANAGEMENT & RISK MITIGATION

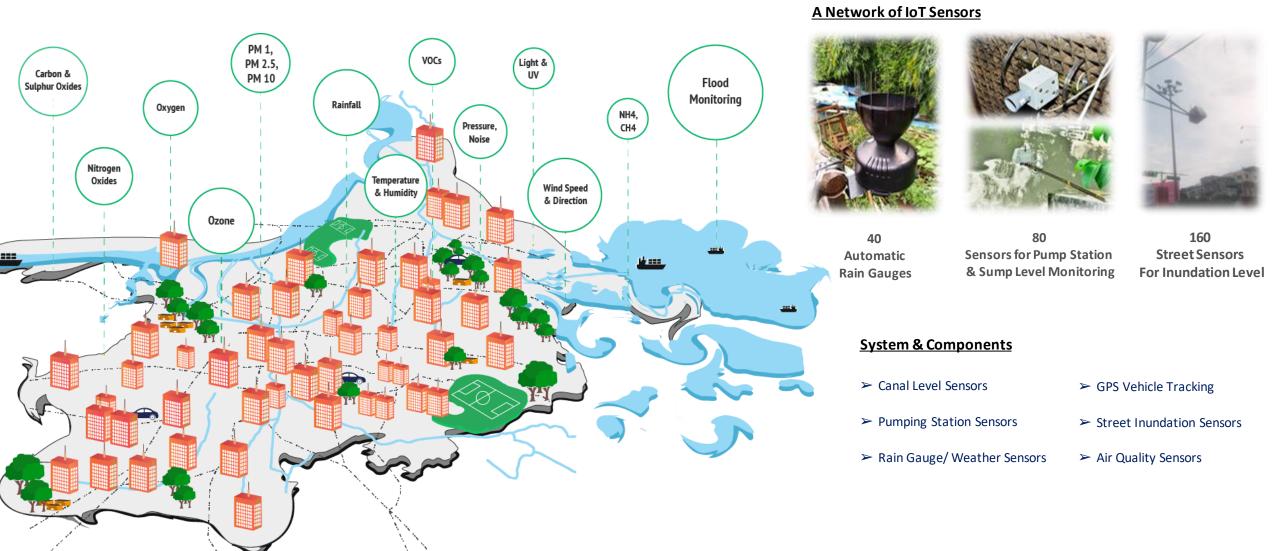
Improve Your Flood Resiliency Before Damage Occurs



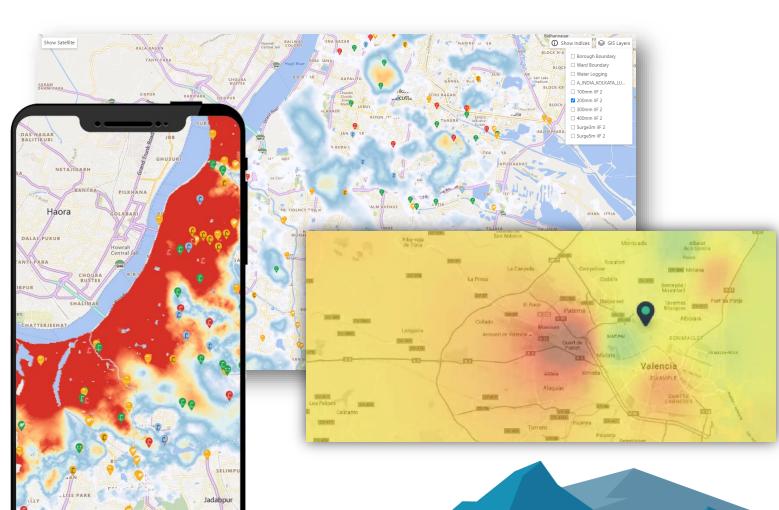


CASE STUDY | TOWARD RESILIENT KOLKATA

India's 1ST Comprehensive City-Level Flood Forecasting & Early Warning System



COMPLETE RISK MANAGEMENT FROM SINGLE DASHBOARD.



UNIFIED DASHBOARD

TARU

PHOENIX ROBOTIX

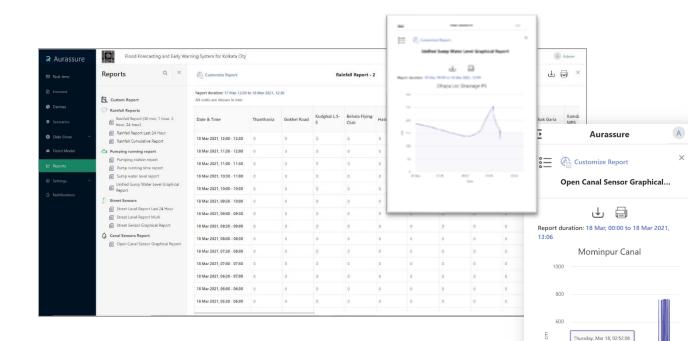
Data Visualization From Every Angle

Dashboards showing you real-time metrices, to help you make data-driven decision & assisting city officials to build a resilient city infrastructure.

- ➤ Rainfall
- > Water Logging
- > Storm Water Surge
- > Rainfall Heat Maps
- Sensor Data
- > Warning System
- Scenario Selection

TAKE THE CHARGE WITH CURATED REPORTS

Harness the information whenever you need it.



REPORTS Get key insights quickly

Take charge with curated reports for quick insights, custom reporting to build reports unique to your requirements.



Rainfall Reports

- Rainfall Report (30 min, 1 hour, 2 hour, 24 hour)
- Rainfall Report Last 24 Hour
- Rainfall Cumulative Report

Pumping Running Report

- Pumping station report
- Pump running time report
- Sump water level report
- Unified Sump Water Level Graphical Report

Street Sensors

onc. 329.55 cm

06:00

Time

12:00

18 Mar

- Street Level Report Last 24 Hour
- Street Level Report Multi
- Street Sensor Graphical Report

Canal Sensors Report

• Open Canal Sensor Graphical Report



THE SENSORS

A sweet combination of High-end & Low-end Sensors



1. All the devices will be power by solar or directly from the grid depending upon the availability of power.

2. All device will be having battery backup for at-least 7 Days.

3. The devices will transmit the data using 4G LTE or GPRS to the central server and will ensure the 100% data availability throughout the life cycle.

4. All communications will be encrypted between device and server using AES256.



ALREADY BENEFITTING SMART CITIES

Collaborate today & your city could be the next!





Taru Leading Edge

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