



Nimble Vision

Simplifying the way of life

Smart Water & Sewage Management Platform using IoT, AI & ML

<https://nimblevision.io/>

Qualcomm & NASSCOM Incubated

Vision and Mission

Mission

Help common People, Farmers and Industries to conserve water, energy and money with massive data analytics, AI and water system automation.

Vision

Become a world leader in water and energy system automation with IoT & AI.

Below UN Goals are addressed by our solutions



Goal 9

Industry, Innovation
and Infrastructure



Goal 11

Sustainable Cities
and Communities



Goal 12

Sustainable
Consumption and
Production

Problem Statement



Manual Pump Control



Massive water leakage



Excessive water & Electricity usage

Absence of real time water level info in tanks



Water Contamination detection



Tanker water supply & theft



Lack of centralized Tracking for B2B



Manual Invoicing & Billing



No Reports based on pin-code. Alerts, city based

Reduce Non-Revenue Water

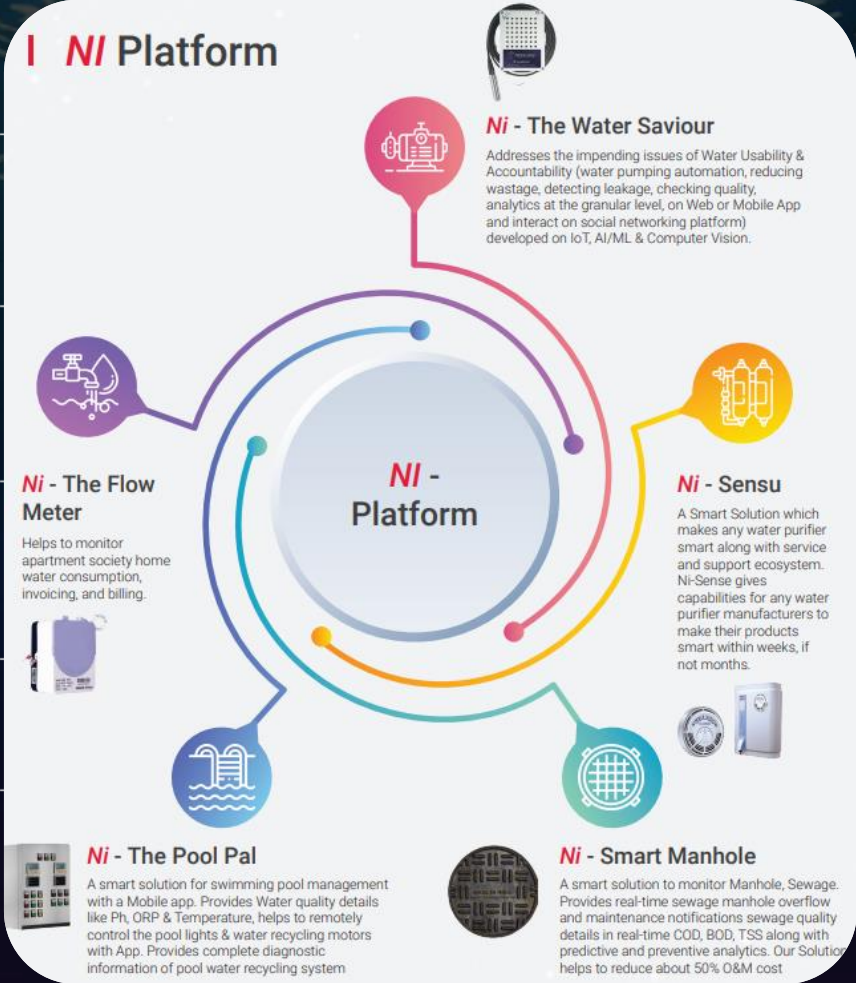
Reduce Energy Consumption

Improved Customer Service

Reduction In Expenditures

Engineering Consulting

NI Platform



Ni - The Water Saviour

Addresses the impending issues of Water Usability & Accountability (water pumping automation, reducing wastage, detecting leakage, checking quality, analytics at the granular level, on Web or Mobile App and interact on social networking platform) developed on IoT, AI/ML & Computer Vision.

Ni - The Flow Meter

Helps to monitor apartment society home water consumption, invoicing, and billing.

Ni - Sensu

A Smart Solution which makes any water purifier smart along with service and support ecosystem. Ni-Sense gives capabilities for any water purifier manufacturers to make their products smart within weeks, if not months.

Ni - The Pool Pal

A smart solution for swimming pool management with a Mobile app. Provides Water quality details like Ph, ORP & Temperature, helps to remotely control the pool lights & water recycling motors with App. Provides complete diagnostic information of pool water recycling system

Ni - Smart Manhole

A smart solution to monitor Manhole, Sewage. Provides real-time sewage manhole overflow and maintenance notifications sewage quality details in real-time COD, BOD, TSS along with predictive and preventive analytics. Our Solution helps to reduce about 50% O&M cost

Smart Water Meter & Controller

Solution for Individual homes/
Apartments/Industries/Maintenance
teams/Vendors/Smart Cities

Water Consumption & Leakage
Details in rich graphics on App
& Web

Real time Water & Sewage
quality details
TDS/PH/COD/BOD

Provides analytics on process
& system operation & alerts

Various Metrics City/Pincode
based live consumption

Ni-Smart Water Management Platform & Variants and their application

Solution Name	Details	Clients
Ni-The Water Saviour	Smart Water Pumping Solution for domestic & industrial clients, Provides analytics on water availability, consumption, leakage & quality,	Digital control system, Jal Jeevan Mission, Adarsh Palm 50+ homes
Ni-Sensu	Makes all the water purifiers smart with retrofit option, Provides real time geo-location, water consumption and TDS info, Helps to maintain the services history and engineers	IIT Madras, Naandi Community Waters, Rio purifiers. Niagara from Indonesia
Ni-Smart Manhole	Provides real time sewage manhole overflow and maintenance notifications sewage quality details in real time COD,BOD, TSS	Faridabad Smart City

Technology And Working Details



A electronic board with WiFi & GSM



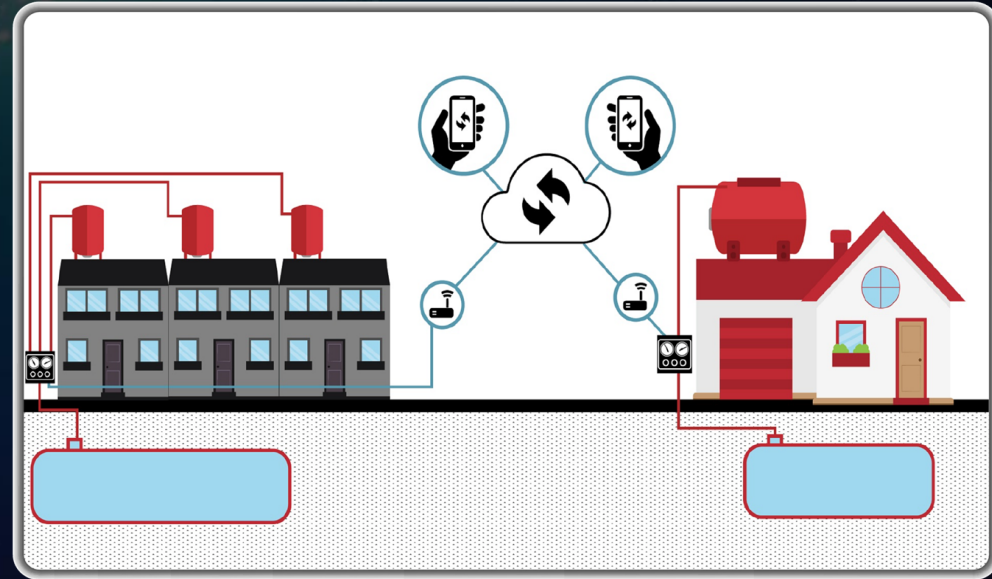
Two sensors for water level measurement
(over head tank and sump)



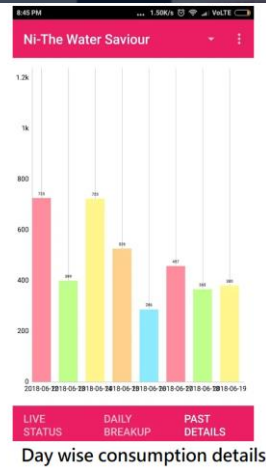
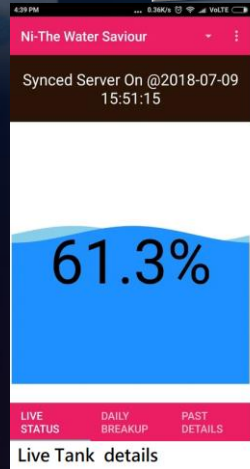
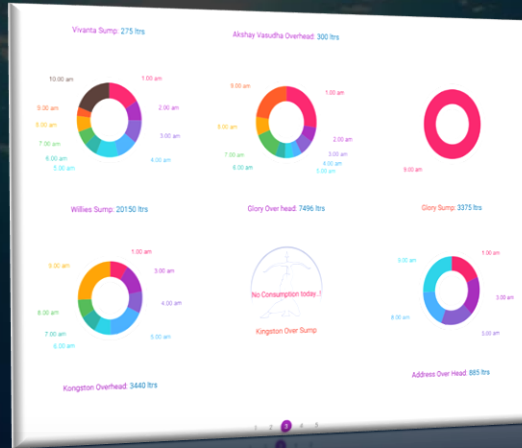
Wires to connect board with sensors



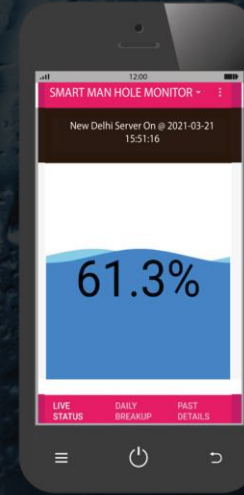
A case to mount the electronic board



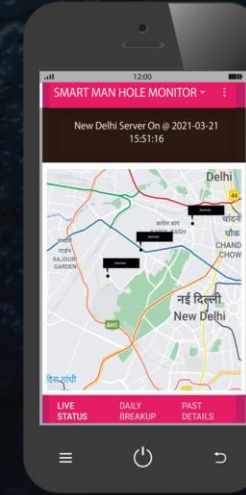
Web & Mobile Dashboard



Ni-The Smart Manhole Monitor



Live Manhole
water level



Real-time
geolocation of
each manhole



Sewage water
level variation

[Video Link](#)

Ni-Sensu – Makes Every Water Purifier & ATM Smart



[App Video Link](#)

Ni-Sensu

Vendor Advantages

- All customers Date of Purchase, Product type, Service due date etc.
- Real time Diagnostic info of all the customers (Due replacement, faulty, need service, status of the relay, motor etc.)
- Geo Location of all the customers on Google Maps
- Manage all the service requests & service engineers efficiently.
- Send new Offers/Discounts messages to customer
- Customer complaint details and tracking.
- Detect the unauthorized services.
- Reports in PDF/Excel for the customer purchases etc.

Customer Advantages

- Date of purchase, Diagnostic info (Replacement, Expired etc.)
- Due for service reminder.
- Customer care / Contact no.
- Complaint Registration and Follow up.
- Option to Raise to Install Request.
- Option to Raise Service Request.
- View the offers and Discounts

Jal Jeevan Mission & Amrut 2 India



- 19 Crore Rural Homes
- 6.6 Lakh crore rupees worth
- In discussion with L & T to partner
- Provided solution to IIT Chennai

Nimble Vision solution for Jal Jeevan Mission

[Video Link](#)

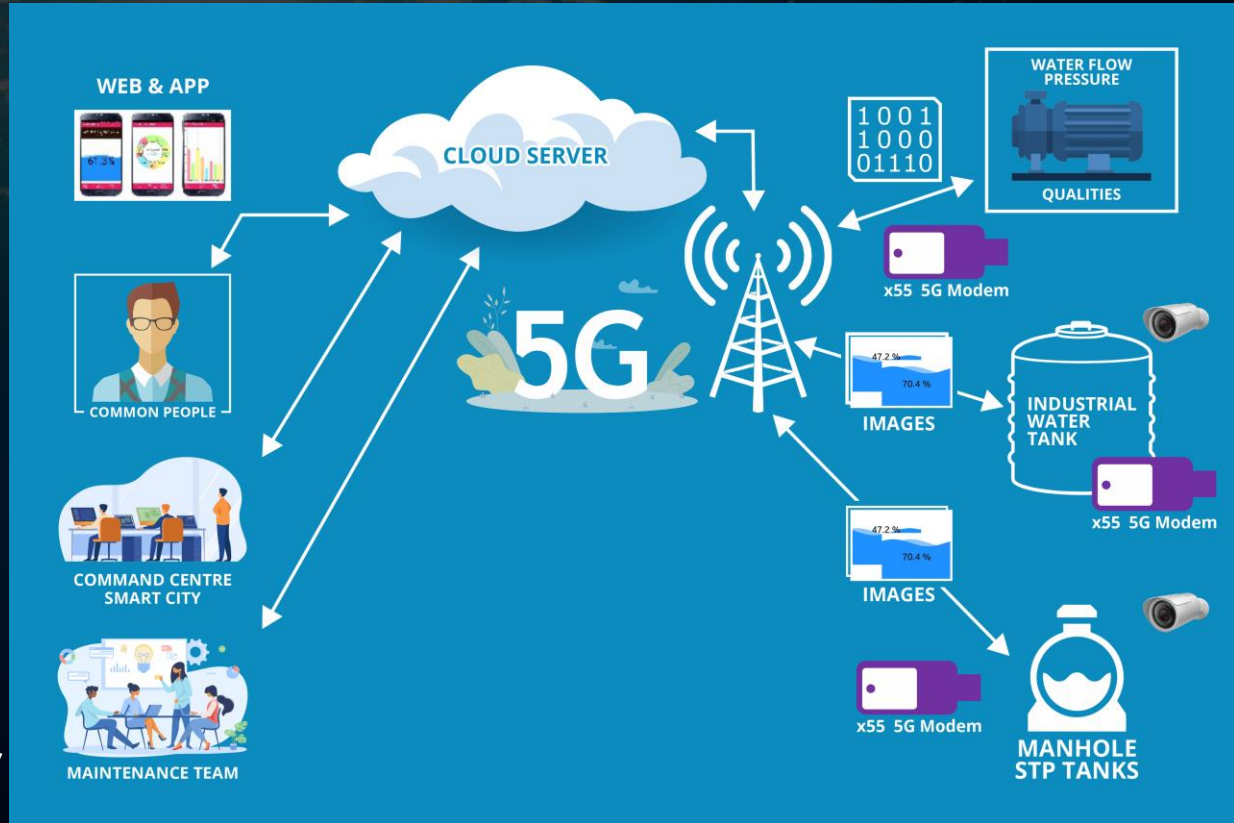
In progress 5G, Vision, AI, ML based Solution

High lights

- 5g, Vision, AI, ML & IoT based solution
- Cloud and Edge based computing
- Retrofit solution for smart cities and industrial automation

Description

- Water & Sewage Level based Automation
- Water pressure, flow details
- Water & Sewage quality details in real time, Chlorine, Ph, TDS, COD,BOD,TSS
- Insights to smart city command centre, maintenance team



DoT and MSME Ministry approved a grant of 40 lakhs

Customers and Traction

B2B: 10+

B2C: 50+

India: Chennai, Bangalore, Delhi, Hyderabad

Indonesia & Australia

Large Clients



TEAM NIMBLE VISION



Vaishali Chinnayya

Founder, BSc, BEd. 5 years Management experience.
Current responsibilities include team management

Chinnayya Math, Full time from 2019 March

Co-founder, BE, MS., 19 years IT experience (Hardware, Software design, development, validation); Ex- DRDO,NDS,CISCO & BOSCH

Deepak S & Mallikarjun S

Co-founders, 19 year experience in IT Industry

Vijay Krishnamurthy

Mentor, 35 year experience Ex CFO TaTa Elaxi

Date of Incorporation/Registration: 19/04/2017

Awards & Media



BCIC's Inclusive Innovation Award under Women lead Social Impact Category June 2018



Karnataka elevate award 2019



Best Startup Award in Smart City Expo Delhi 2021



NITI Aayog - Pune Smart City, Hackathon 2018 Award for Smart Water Management - October 2018



In Top 100 of 5G Hackathon 2020



2nd Runner Up 2021



Renesis GR Lychee Design Award December 2018



BWSSB award for water conservation 2020



Sustainability Hackathon 2nd Runner Up 2022



Top 10 Start-Up Award 2022



5th ICT Start-Up Top 20 award by ASSOCHAM 2022



Thank you!

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