



**INDRA**  
EVERYTHING WATER.

**Building  
Sustainable  
Future**

# Everything for Water

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## Driving the world's transition towards sustainable water management.

Water is on course to be scarcer than oil by 2030, with demand fast outstripping supply by over 40%. Water as a resource is under tremendous stress with groundwater and freshwater resources depleting at an alarming rate due to rapid urbanization and global warming, along with pollution from industries, societies and even agriculture, contaminating existing resources. Solving these global water challenges is the backbone to innovation at Indra Water. We are committed to providing a reliable, value added partnership to all our customers and partners thereby actively helping industry and society meet increasing water demands, overcome scarcity challenges, enhance their environmental stewardship and comply with regulatory requirements thereby driving efficiency and collaboration.

**"Recycling water is not a choice. It is a necessity.  
India needs us to save & re-use water better."**

Our turnkey decentralized wastewater treatment and management solutions recycle water at the point of source. Our patented solutions are compact, modular, easily scalable, smaller in footprint and can cater to domestic as well as industrial wastewater treatment and recycling needs. Indra Water's fully automated systems are backed by SMART automation and SPECTRUM analytics platforms thereby delivering efficient and consistent performance. Key benefits include low energy consumption, no added chemical requirements (eco-friendly), minimal sludge generation, over 95% water recovery, high efficiency and lower maintenance.



# The team which executes best

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**Amrit Om Nayak**, CEO

With a masters in Mechanical from Univ. of Washington, Seattle, Amrit has 5+ IPs and 6+ years of experience working in clean energy and automobiles with Tata Power, ORNL (USA), TVS Motors. Amrit excels at problem solving and manages business, technology and finance.



**Abhijit V**, Chief of Marketing & Sales

Abhijit holds a bachelors in Mechanical from BITS Pilani. He is driven with passion and a will to succeed. He is creative in approach and excels in negotiations and market strategy. He brings in 4+ years of experience in customer relationship management, market reach, sales & partnerships with Bosch Ltd., HMT Bearings Ltd. and GW Sports App



**Aditya Vemuganti**, Chief of IoT & Services

Aditya brings 6+ years of work experience with Tata Advanced Systems, Sikorsky, Amazon Inc. in diverse areas like manufacturing, products and logistics. With a masters in Mechanical from Univ. of Washington, Aditya is driving us towards Industry 4.0 IoT based smart systems and services.



**Krunal Patel**, COO

Krunal has a masters in Mechanical from Univ. of Washington. An expert in automobiles and tidal turbines, he is strong in operations and product development. Krunal has 2 IPs and 5+ years of experience with Pacific Marine Energy Centre, Imber Water and Orion Racing.



**Sriteja Allaparthi**, Chief of Software & Analytics

Sriteja has strong foundations in machine learning and analytics. He holds a Masters degree in Computer Science from IIIT Hyderabad. He manages servers, builds databases, and writes great software when he is not busy working on twitter data dumps, medical & predictive analytics and recommendation engines.

## **Advisors**

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**Mr. Sahil Kejriwal**

Director GSER Cleantech Pvt. Ltd.

**Mr. Sudhish Sukumaran**

Director Elmach Packages Pvt. Ltd.

**Mr. Chalapati Rao**

MD Spectrum Risk Advisors LLC

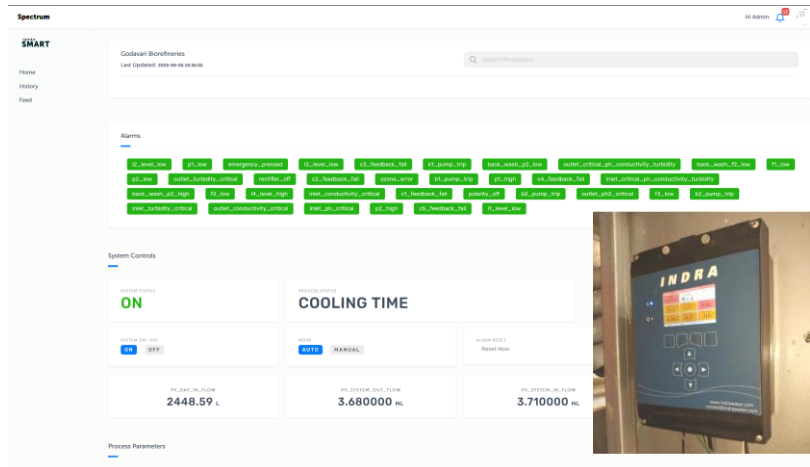


# Products & services for better water management

**Indra 'Flow Series'** is an Electro-Coagulation (EC) based system designed to remove pollutants from residential, commercial, municipal or industrial wastewater. Flow Series provides a low energy, chemical free alternative to chemical coagulation and other membrane or biological enzyme based processes.

**Indra 'Activated Flow Series'** is a treatment system which combines our pioneering 'Sludge Activated Flocculation' (SAF) technology and 'Activated Treatment' process with Flow Series to treat effluents with high content of COD, BOD, TDS, turbidity, coloration and harmful chemicals from industrial wastewater streams.

**Indra 'Electrox Series'** is our most advanced industrial wastewater treatment system. It combines Activated Flow Series with Electro-chemical oxidation technology to achieve controlled treatment. It is effective in treating high content of organic carbon and oxygen demanding substances apart from a host of other pollutants present in the industrial wastewater effluent stream.



**SMART** is an automation platform which optimizes systems to improve treatment efficiency, consistency and reduce operational costs. The SMART platform enables remote system control, fine-tuning and real-time troubleshooting. All Indra systems come inbuilt with SMART. SMART platform can also automate 3rd party conventional WWTPs.

**SPECTRUM** is our analytics platform for better insights into water resource management. It is powered by an integrated network of sensor bundles, analyzers, smart algorithms and a rapidly evolving database which greatly reduces the cost per point of measurement. Real time feedback and data driven predictive analysis provided by it improves performance and optimizes maintenance cycles of systems for better water management and quality control. SPECTRUM can be integrated with Indra systems and 3rd party conventional WWTPs.

**“Pushing Boundaries of automation with Industry 4.0 IOT”**

# Driven by innovation for superior performance



## Solving the toughest water & process challenges wherever they occur.

Indra has developed smart & decentralized water treatment systems capable of a variety of water treatment needs through innovations in electro-coagulation, electro-chemical oxidation, two-phase solids separation, distillation and pollutant monitoring hardware. Our technology helps attain high efficiency, low energy consumption, 35% cost reduction (life-cycle) & less space utilization (1/3rd the size compared to others).

High scalability, dynamic treatment, modular flexibility, smart automation and monitoring help our systems provide superior and quicker economic returns. Remote troubleshooting and fine-tuning also help our systems reduce human dependence, improve consistency and reduce downtime. Hazardous chemicals are not used and sludge management is convenient in our treatment methodology.



Indra Water has received 2 patent grants on its technology process innovation in method of wastewater treatment and dynamic treatment process making our systems highly efficient and effective also capable of handling shock loads and variations in inlet wastewater characteristics. Our systems can be fine-tuned for better treatment remotely with the help of Industry 4.0 IoT.



**"We engineer quality with reliable data and robust design."**



# Water recycling & reuse projects



"At Godavari, we are focused on sustainable growth through proactive environmental stewardship. Indra Water has helped us achieve this with their wastewater treatment system in our Sakarwadi plant. We look forward to supporting Indra in this important quest in the future."

- Mr. Sandeep Gupta,  
Head, Chemical Division,  
Godavari Bio-refineries Ltd.

Indra 75 KLD  
sewage &  
effluent  
treatment  
system  
installed at  
[Godavari Bio-refineries Ltd.](#),  
Sakarwadi,  
Maharashtra



## Savings

**Cost 55%**

**Water 60%**

**Footprint 70%**



15 KLD sewage treatment for  
water recycling & reuse at [K J Somaia College](#), Mumbai.

"Indra Water has effectively demonstrated its intent and approach to solving this with a strong focus on economic viability. Their STP in our college campus has gone a long way in reinforcing our belief in their sustainable approach to solving our water woes."

- Mr. Gaurang Shetty, CEO,  
RiIDL, Somaia Vidyavihar.

## Savings

**Cost 65%**

**Water 60%**

**Footprint 70%**



# Water recycling & reuse projects



20 KLD  
Textile dye  
effluent  
treatment  
for process  
reuse at  
**Sands  
Synergy (P)  
Limited,**  
Mumbai.

"Wastewater is a resource. Indra's systems have helped us realize this huge potential by more than halving our water bills and direct fresh water consumption.

- Mr. Sanjay Singh,  
CEO, Sands  
Synergy Pvt. Ltd.

At Indra Water we are constantly pushing the boundaries by treating and recycling effluents from Textile, Dye, Paper & Pulp, Dairy & Food Processing Industries with great successes. Our systems are being installed at multiple locations in Maharashtra, Gujarat and Telangana.



**Savings**

**Cost 65%**

**Water 90%**

**Footprint 75%**

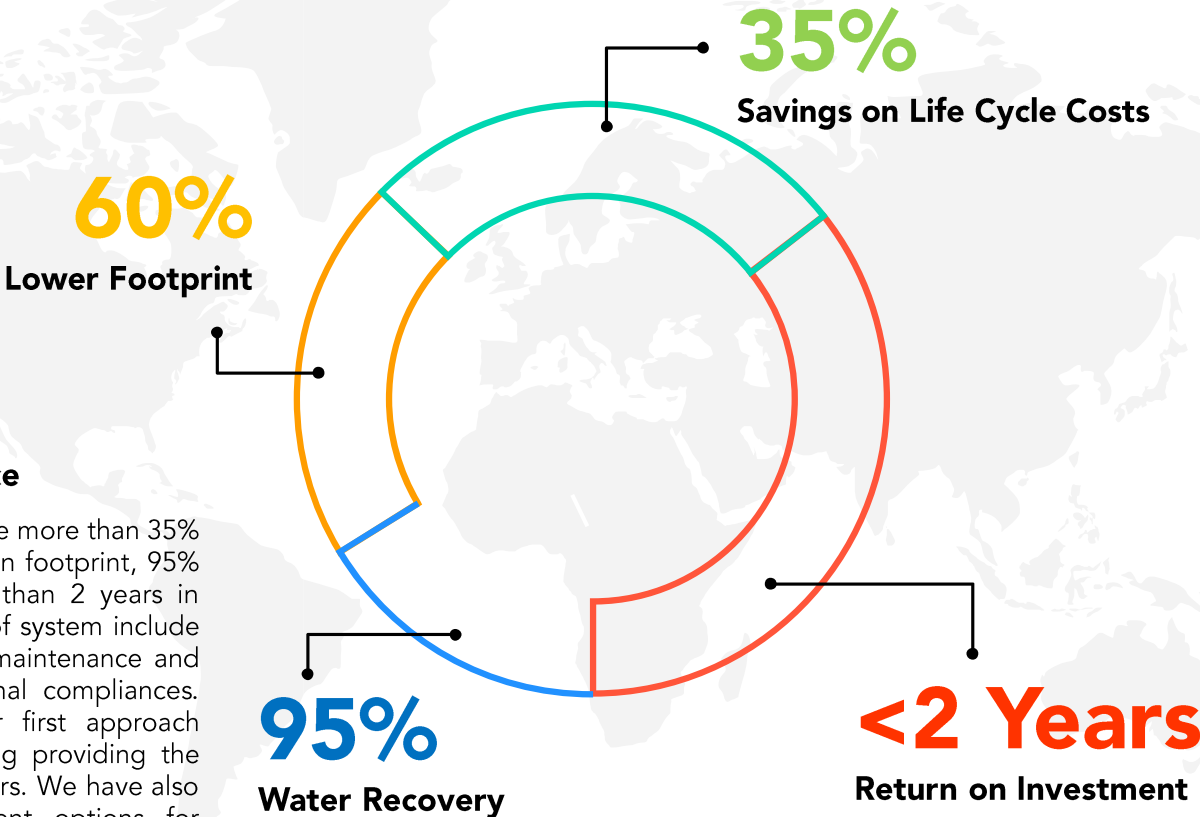


# Sustainability through water reuse



## Make the right choice

Indra Water helps you save more than 35% on life cycle costs, 60% on footprint, 95% water recovery and less than 2 years in ROI. Additional benefits of system include No chemicals used, low maintenance and meets national/international compliances. We believe in customer first approach when deciding the pricing providing the best value to the customers. We have also designed flexible payment options for owning the systems.



**"50** Million Litres of water saved and counting."



**"1,00,000** People positively impacted."





# Solving water challenges in multiple sectors



**High Energy Consumption**



**Large Footprint**



**Heavy Chemical Usage**



**Frequent Breakdowns  
& Maintenance**



**High Capital  
& Operational Cost**



**Inconsistent Performance  
& Incapable to handle Shock Loads/Variations**

## Sectors we serve

- Residential & Commercial
- Textile & Dyes
- Paper & Pulp
- Dairy



# We build a relationship of trust with our clients

## Ensuring value to our customers



Sands Synergy (P) Ltd.

## Few on-going Engagements



Tauruz Textiles Pvt. Ltd.



Rama Pulp  
& Papers Limited

An ISO 9001:2000 Certified Company

During daily plant operations, Indra Water customers profit from the long-term, diversified experience of the company's experts, its extensive technological competence and the results of its research activities. Therefore, Indra Water can guarantee safety, quality, process optimization and enhanced efficiency.

## Partnering with the best in Industry



IIT Bombay



S I N E

Business Incubator



COLUMBIA UNIVERSITY  
IN THE CITY OF NEW YORK



UNIVERSITY OF WASHINGTON

Effective water management and the securing of excellent water quality are only attainable within the framework of holistic solutions. It is precisely such answers, tailor-made to customer requirements, that Indra Water offers. Partnering with Mitsubishi Electric, Process Instruments and Xylem improve our systems functioning and reliability. We have research & product development collaboration with IIT Bombay, Columbia University, BITS Pilani & University of Washington to continuously innovate in water technology.

Indra Water employs its comprehensive business and technical expertise to secure its customers operational management of the highest quality in combination with the sustainability offered by a leading company in the field of water and wastewater technology.

# Recognition for our work to save water



**Winners |**  
**Urban Water Challenge 2019 at World Water Week, Stockholm**  
Imagine H2O,  
Bluewater Group  
11th Hour Racing



**Winners |**  
**Urban Works Innovation Challenge 2019**  
Columbia University,  
RMZ Corp,  
Bangalore



**Top 25 Startups |**  
**IIGP 2.0, Industrial Track 2018**  
DST, Lockheed Martin & TATA Trusts, New Delhi



**Leading Startup 2018 |**  
**Digital Disrupt – The New Normal Summit**  
All India Management Association (AIMA), Mumbai.

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FIRSTPOST.





**Join us to build a better tomorrow.**

**Inphlox Water Systems Pvt. Ltd. (INDRA Water)**

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Bhiwandi, Thane District, Maharashtra - 421302

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