



Don't miss the news that matters in clean tech and renewables!
Click here to register for our weekly newsletter!



Green Initiatives



Green Initiatives

Emirates ecothread programme to reuse 88 million plastic bottles by 2019

March 6, 2018 Ritwik Sinha 0

While the world watched the expanding network of Emirates Airlines, which in a short spell has emerged as a global



AAI airports to be illuminated by LED lights

March 3, 2018 0

Green Energy People

“WATSCAN is facilitating smart water decisions for industries”

February 26, 2018 I am Renew 0 Comments

Going by several projections recent projections by national and international agencies, India will soon become a water scarce country. This entails all the leading consumption segments including the industries getting on a war footing mode to make the best use of the available resources. *Ritwik Sinha* speaks with *Dr. Kapil Narula*, CEO, CII-Triveni Water Institute (a center of excellence under the aegis of the apex industrial body CII) to understand the broader trends in industrial water management...

India is projected to become a water scarce country in 2020. Is the industrial sector, which has become a major consuming segment in the past ten years, rising to the reality?

With water becoming a scarce commodity, availability of water of adequate quantity and quality at affordable cost is possibly the

Cognisant of the above scenario, industry and businesses are increasingly working towards finding sustainable water management solutions. Acknowledging water as a precious resource that must be conserved and optimally utilised, industry is making more of the little through recycling, reuse, rainwater harvesting and other means.

Do you think the industry by and large genuinely believe that water can no longer be treated as a given thing but is a precious raw material?

Promoting water use efficiency holds immense promise for curtailing the stress thereby ensuring sustainable water resource management. The awareness within the industry pertaining to optimal utilisation of water has grown manifold and industry is increasingly moving towards opportunities that conserve, reduce, reuse and recycle treated water and wastewater to ensure judicious utilisation of water resources.

Have you noticed increased investments in industrial water treatment space?

Industries today are voluntarily opting for wastewater recycling systems. Scarcity of water, rising cost of freshwater and wastewater disposal stringent pollution control norms are some of the drivers for increased adoption of water treatment segment in India.

To what extent has the cluster industrial treatment approach worked in this country? The government has been trying to push it hard.

While the cluster management approach is seen as a solution to overcome constraints associated with effluent treatment in individual industries, through treatment of combined wastewater from various industries at a lower unit cost, CETPs (Common Effluent Treatment Plants) face several challenges. These largely pertain to design and technology; flow/conveyance issues, sludge disposal; issues related to manpower and capacities, business models and management, which limit their overall benefits.

How would you explain the role of agency like yours in sensitizing the larger industry?

CII's Center of Excellence on water and wastewater management, CII-Triveni Water Institute (CII-TWI) works towards transforming water conservation and management in India by changing the mind-set and behaviour of stakeholders at the grassroots level. It works towards sensitisation of masses on water conservation and



largest solar park in Karnataka goes live

📅 March 2, 2018 💬 0



Why the next Nobel Peace

Prize needs to go to a water warrior in India

📅 March 1, 2018 💬 0

Jobs

Global Green Scholars Program (GGSP)

Senior Programme Officer – Climate Change & Energy

Content Writing Internship in Delhi at Sustainable Outcomes Private Limited

Subscribe to New

Submit

The Institute provides integrated solutions to water resource management through use of scientific and digital tools such as CII's WATSCAN Tool—a unique customised world class tool that links satellite information, on ground databases and processes information (spatial and temporal) carried in **millions of pixels** on a GIS platform to facilitate decisions. Application of WATSCAN enables water smart decisions & intelligent water solutions. WATSCAN benefits industry in: **Water Budgeting at watershed level** (*How much water? Where?*); **Siting** – Infrastructure, Industries, Schemes; **Monitoring & Impact evaluation**; and **Reducing Risks** to operations.

WATSCAN helps **bridge demand-supply gaps** by:

- **digitally identifying** critical pockets/areas/ villages where intervention is needed and guiding which interventions are appropriate
- **prioritizing investments and siting interventions** resulting in **reducing slippages in delivery by 40 – 50 %**, thereby making investments **effective, credible, and transparent**.
- **improving per hectare water availability by 35 – 45 %** through resource optimization, use efficiency, NEW Water (Municipal interface), and Additional Water (Soil Moisture Conservation).

CII-TWI sensitises industry through comprehensive water audits. Through 125+ water audits undertaken by the Institute, potential water saving of about 100 billion litres has been achieved, equivalent to supplying two days drinking water to entire rural population of India. Water strategies recommended by water audits have attractive Payback and Rate of Return of < 1 year.

Analysis of water audits undertaken show that 30 – 40 % reduction in wastewater achieved through low to medium cost strategies; 40 – 60 % industrial and domestic water demand-supply gaps can easily be reduced by cost-effective measures.

CII- TWI also recognises innovative, scalable & good practices for water and wastewater management by industry. CII's National Water Awards for Excellence in water management are conferred to some of the good work being undertaken by the industry.

You May Also Like



Microsoft moves to power India ops by renewable

March 9, 2018 0

Tamil Nadu Paradox

February 27, 2018

0



Tamil Nadu to add more solar than wind capacity in the near run

March 2, 2018 0

Leave a Reply

Your email address will not be published. Required fields are marked *

Comment

Name *

Email *

Post Comment

Recent Posts

Contact Us

tech@iamrenew.c
om

Global auto giants gear up for larger EV
portfolio

Now charge your bike on wall socket



your feedback is valuable
Do send in your feedback to
prasanna@iamrenew.com



[About Us](#) | [Service](#) | [Agreement](#) | [Enquiry](#)

Copyright © 2018 [I am Renew](#). All rights reserved. Powered by Sustainable Outcomes pvt. ltd.