

Panel Discussion 1 : Water Audit, BMS and IoT in Plumbing Applications

1st December 2022



28th INDIAN PLUMBING
CONFERENCE & EXHIBITION

Thursday, Friday, Saturday
1st, 2nd, 3rd December 2022 | Deccan College Grounds
Pune

IoT and role of data in Building Management systems is the most crucial aspect of making buildings both energy and water efficient and this was the topic of the first Panel on Day 1, 1st December. BMS experts, industry leaders and startup founders in this space glued the audience to their seats on this important topic.



From Left to right : Abilash Haridass, Co- Founder - WeGoT, Parthiv Amin, Chief Sales and Marketing Officer-Sloan, Sanjay Batra, Technical Director-Medanta Medicity, Sunil Debta, GM, Head- Project Delivery -Wipro, Hemant Watve, MD- Wilo India, Ganesh Shankar, CEO-Fluxgen

The Panel Discussion was moderated by Sanjay Batra, Technical Director-Medanta Medicity who initiated the discussion by sharing that Medanta Medicity, a multi-speciality hospital in Gurugram, NCR with a capacity of 1200 beds and 300 ICU beds washes a huge laundry of 10,000 tonnes everyday, but no wastewater is discharged into the public sewer. So, all the wastewater is treated and reused within the premises. He further started the debate by asking the panelists on their focus areas into IoT, Water Audits and BMS.

We bring to you few salient points of the discussion.

“Garbage in, is equal to garbage out” quoted Abilash Haridass as he was talking about the role of data in water management inferring if your input of water data is not good, the output will also not be good. The essential technologies in this domain should consist of hardware (water meters), communication (Fibre Optics , Privat van) and frontend software to provide insights from this data.



Abilash Haridass expressing his view on IoT and Big data



Parthiv Amin talking about smart restrooms in the Panel discussion

Talking about restrooms, Parthiv Amin said, according to a study restrooms are large consumers of water in commercial spaces, close to 40% in office buildings, 45% in schools, 35% in hotels and restaurants. Smart Restrooms help minimize this water use by metring and monitoring.

Most of us in our discussions talk about saving water in our household water use but ignore agriculture which uses 60-70% of the water as India uses Flood irrigation system. So using advanced systems like drip irrigation which give water drop by drop to the crop can be of huge benefit in saving water from this primary consumer.



Hemant Watve sharing information on drop by drop water administration to crops



Sunil Debta talking about Net Zero Water technology

Sunil Debta said all Wipro premises are IGBC Platinum rated which use Low flow fixtures, the systems are designed in such a way that they use less water and all water systems are managed through BMS (Building Management systems). 24*7 monitoring of water systems results in STP effectiveness.

Through IoT based systems we can capture data on leakage, wastage and excessive usage, said Ganesh Shankar. These systems will also provide prescriptive dashboards on desktops and handsets to gauge issues before they occur.



This panel discussion, educated the conference delegates and the audience on why we need to move towards IoT and BMS for water management in all our buildings and the discussion concluded with this fact that you need to measure to monitor and take better decisions.