

## IoTreat<sup>®</sup>

Treatment meets precision

*IoTreat<sup>®</sup> is an IIoT based platform for the efficient and unmanned operation of treatment plants such as STP, ETP, WTP, RO.*

*IoTreat<sup>®</sup> integrates the ideal operational practices of the treatment plants derived from Environmental Engineering principles with IIoT platform to eliminate manual operation & improve plant performance.*



*PEC is recognized by Ministry of Commerce & Industry as a **startup** for its IoTreat<sup>®</sup> product.*



# Pain points of Manual operation

A treatment plant will not be able to give desired results mainly because of 2 reasons which are inadequate infrastructure and improper operation. Improper operation can happen when operation is being done manually. Manual operation is having many pain points and challenges which affects efficiency of treatment and eventually may lead to failure of the plant.



Quality deviations



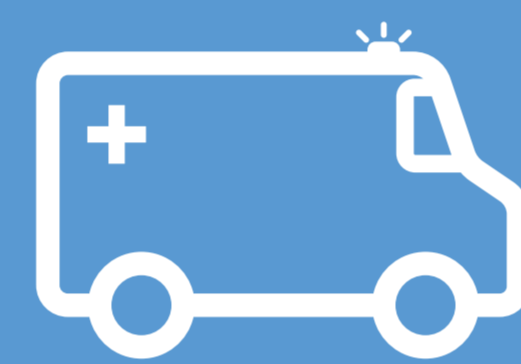
Higher operational cost



Lesser data availability



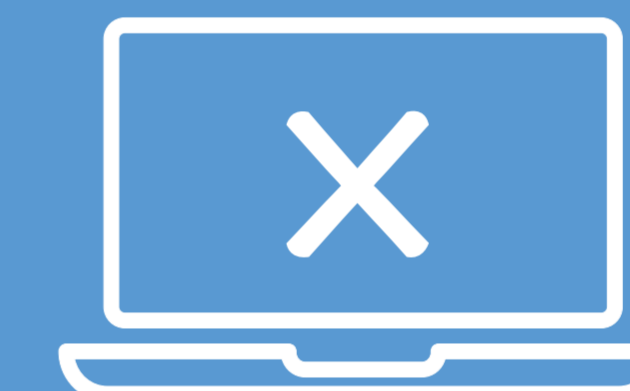
Higher power consumption



Health and safety risks



No possibility of predictive maintenance



No possibility of real time monitoring



Uncertainties related to labour regulations

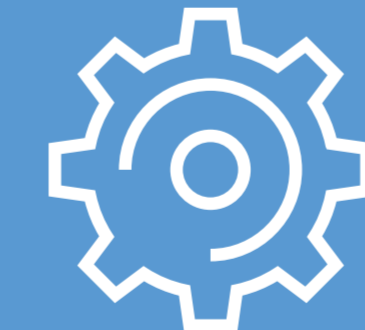
# Benefits of IoTreat<sup>®</sup>



Reduction in cost of operation by 30-50%



Consistent quality of treated water



No full time operator is required



Minimum of 20% reduction in power consumption



Real time monitoring of the treatment process



Operational data availability in digital form



No possibility for human errors



Reduced breakdown

# Return on investment (RoI)

RoI will depend on size of the plant, and current operational practices in case of an existing plant. Considering 3 shift operation with 1 manpower in each shift, RoI will be 1-3 years.



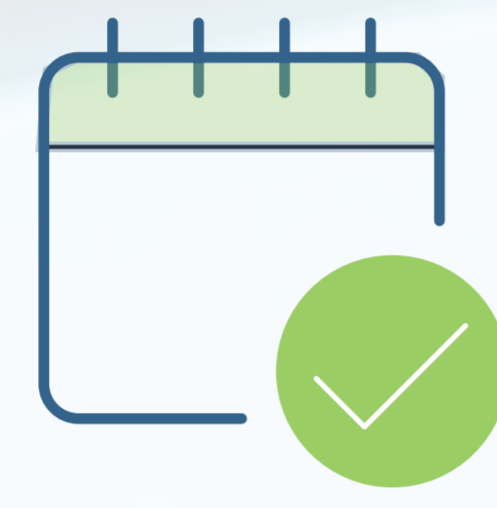
## Our value proposition



Developed by team of Environmental Engineers



In house automation team



Vast experience in manual operation



Dedicated service team



24x7 CCTV surveillance



Alarms through mail & SMS



Equipment health tracker



Daily report through WhatsApp & mail

## COMPANY DETAILS: PARYAAVARNEER ENGINEERS & CONSULTANTS PVT LTD



More than **12,000 m<sup>3</sup>** per day of wastewater being recycled



More than **17,000 m<sup>3</sup>** per day of drinking water being treated



More than **25** water and wastewater treatment projects executed



Team of **10** Environmental Engineers and environmental experts



Workforce of more than **120** people across Karnataka



**40+** delighted customers across various sectors

# Our Clients



## Recognition :



*Recognized as one among the top 50 startups in the VentuRise Global Startup challenge*



*Won the 2<sup>nd</sup> prize in TiE Hubli Startup challenge for our product IoTreat*



*Awarded in Times Business Awards given by Times Group*



*Awarded in CII Southern Region Water Management Competition 2023*

 <http://www.paryaavarneer.in>

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CLICK HERE 

to watch  
IoTreat<sup>®</sup> video

Scan for video of IoTreat<sup>®</sup>

