



LiqSure



What We Do?

LiqSure makes treatment of industrial effluent faster and cheaper.

How It Works ?

STEP 1

Install a
LiqSure HC
System

STEP 2

Pre-process
your
effluent in
batches

STEP 3

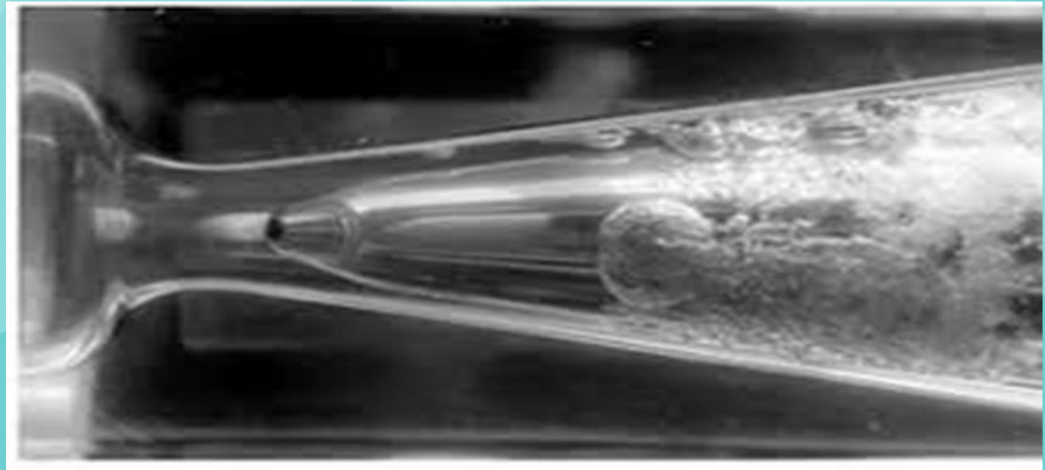
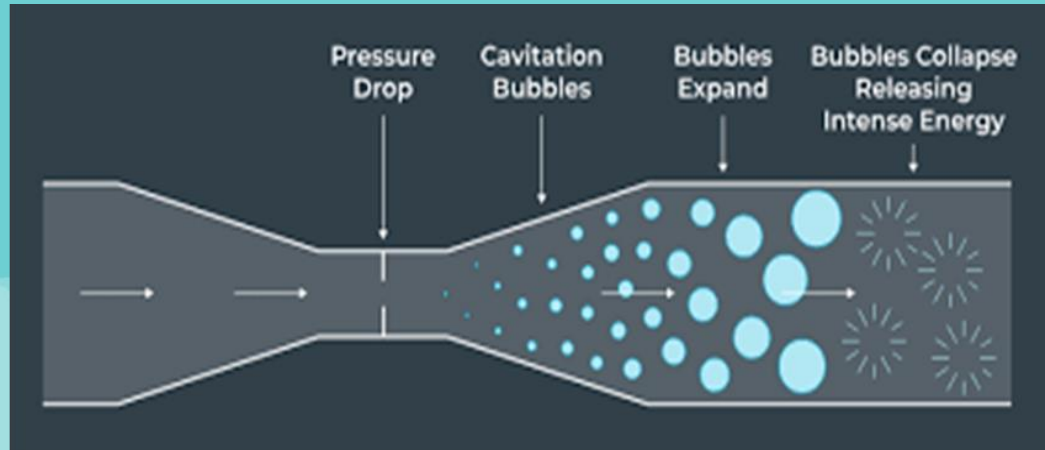
Faster and
cheaper
biological
treatment
of effluent

Our Customers

- Sewage Treatment Plants(STP)
- Septage Wastewater Treatment Plants(SWTP/FSTP)
- Effluent Treatment plants(ETP)
- Zero-Liquid-Discharge Plants(ZLD)

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Unique Insight





(H^* , *OH , HO_2^* , O^*)

- OP= Organic Pollutants
- DI= Degraded Intermediates

Some more reactions

2. The intensity of collapse of air, N₂ and O₂ bubbles is more-or-less the same, as indicated by the temperature peaks attained at the collapse of these bubbles. However, the equilibrium composition of the bubble varies due to scavenging of radicals by oxygen and nitrogen molecules present in the bubble.
3. For air bubble, the N₂ scavenges the H·, O· and ·OH radical to produce various species such as NO, N₂O, NO₂, HNO and HNO₂ through the following reactions [45]:



However, O₂ reacts with these species to regenerate O· and ·OH radicals through the following reactions:

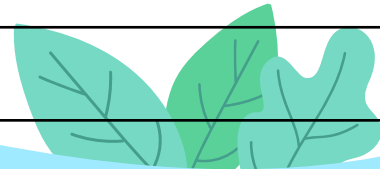


O· radicals also react with H· and ·OH radicals to produce HO₂ radical as follows:

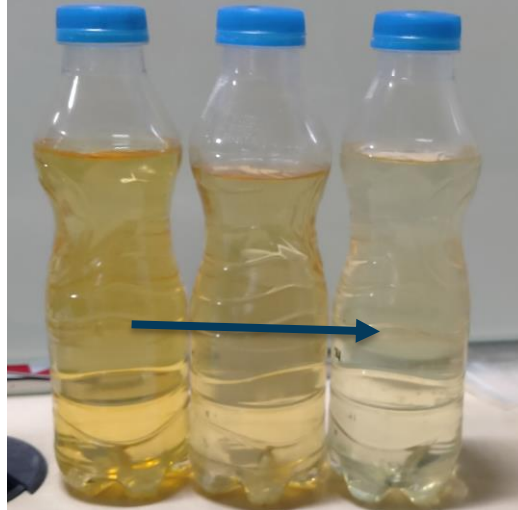


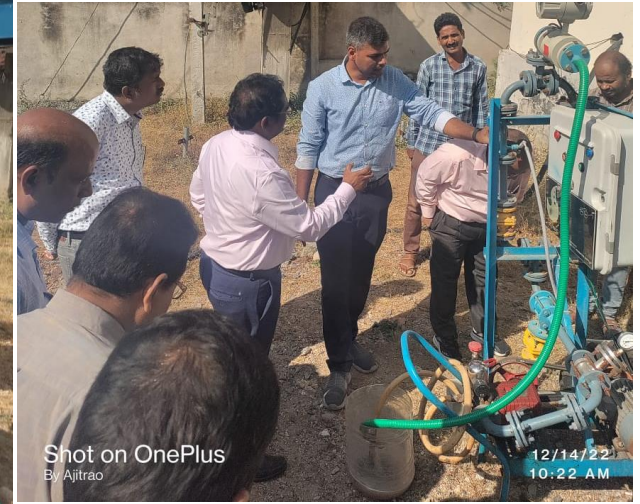
4. For O₂ bubbles, the yield of H₂O₂ and O₃ is much higher than other bubbles due to extensive scavenging of O·, H· and ·OH radicals by the O₂ molecules through the reactions:

Type of Industrial Effluent	%COD removal
Pharmaceutical	~60%
Textile	>70
Distillery	>75
Personal & Homecare	>85
Ice-Cream	>85
Industrial Leachate	>40
Sewage Wastewater	>90
Septage Wastewater	>85
CETP	~40% COD >50% Ammoniacal N ₂



TREATED WITH LIQSURE





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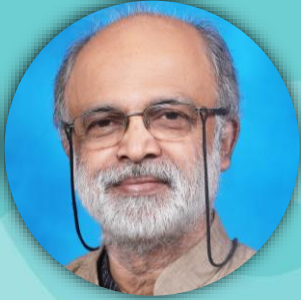
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IndianOil



N M D C



LiqSure brings to You

Low Footprint

Zero Sludge

**40%+ reduction
in Opex**

**NO
filters or
Membranes**

**Low
Maintenance**

Retrofitted

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100 KLD Commercial Plant

