

Have you heard of the Micro steps for segregation of Oil & H₂O?

CLAIRE FONTAINE®  NanoKriti

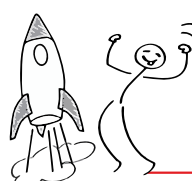
Advanced Nanobubble Technology

Invented at IIT



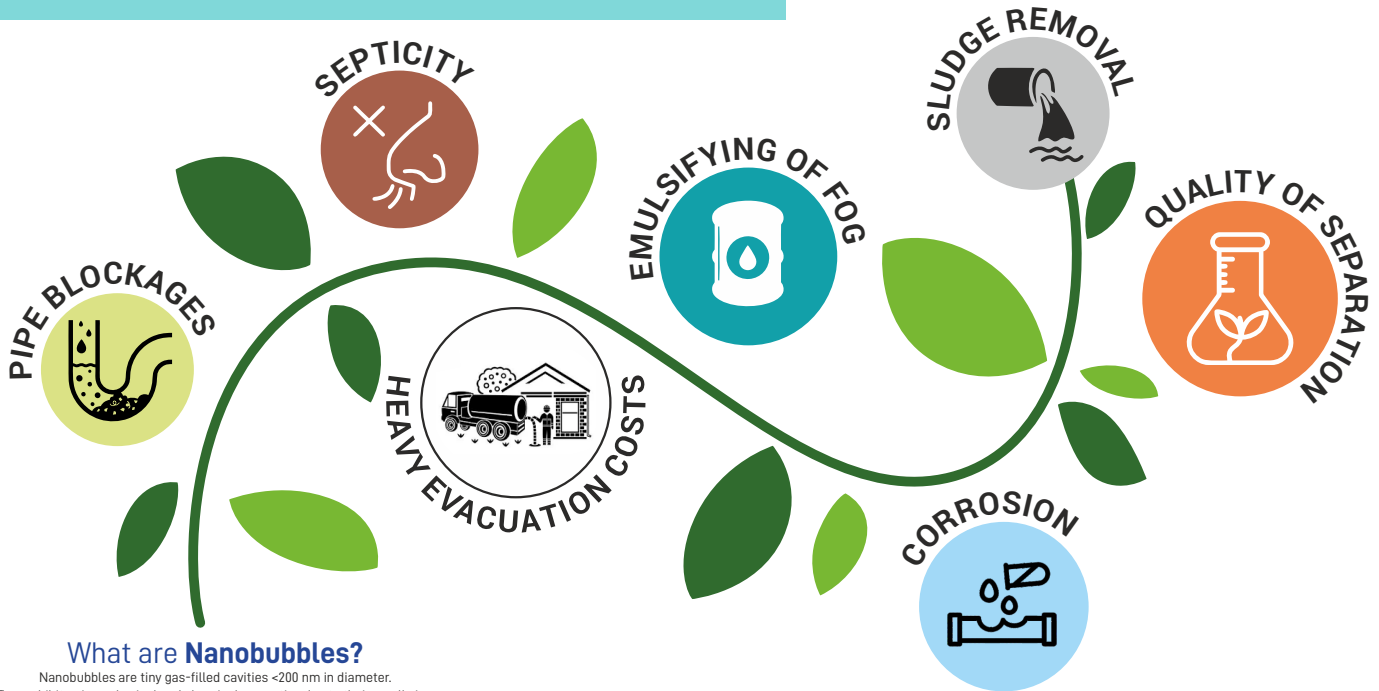
TECHNOLOGY
BUSINESS
INCUBATOR
FOUNDATION
IIT ROPAR



Footprints of
 Innovation  

The Issues

A rich exclusive scientific experience in observing the issues of segregation of oil. A practical experience of inadequacies of the system of flow from kitchen to inlet of waste water system.

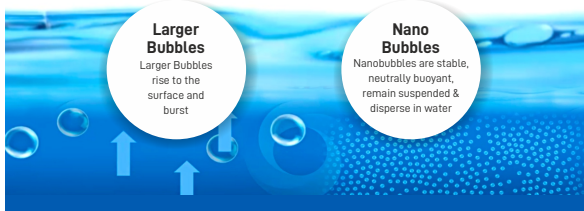


What are Nanobubbles?

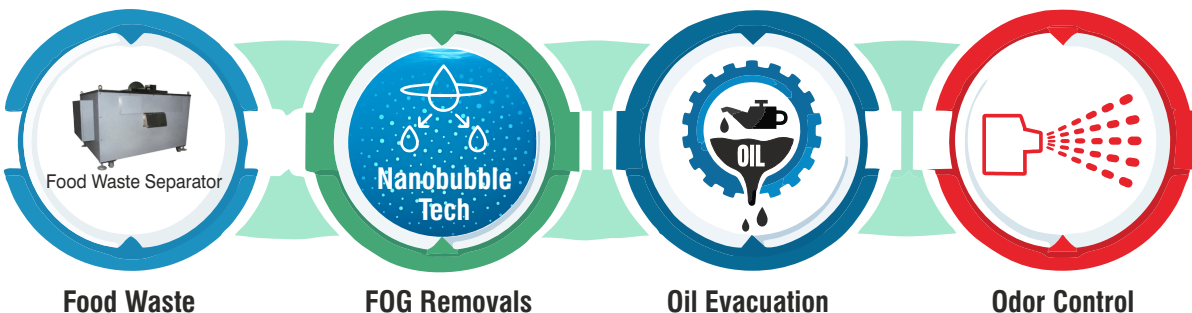
Nanobubbles are tiny gas-filled cavities <200 nm in diameter. They exhibit unique physical and chemical properties due to their small size.

Unique properties:

- High Surface Area-to-Volume Ratio
- Neutral Buoyancy
- Extended Lifetime
- Efficient Gas Exchange
- Non-Toxic and Eco-Friendly
- Stable



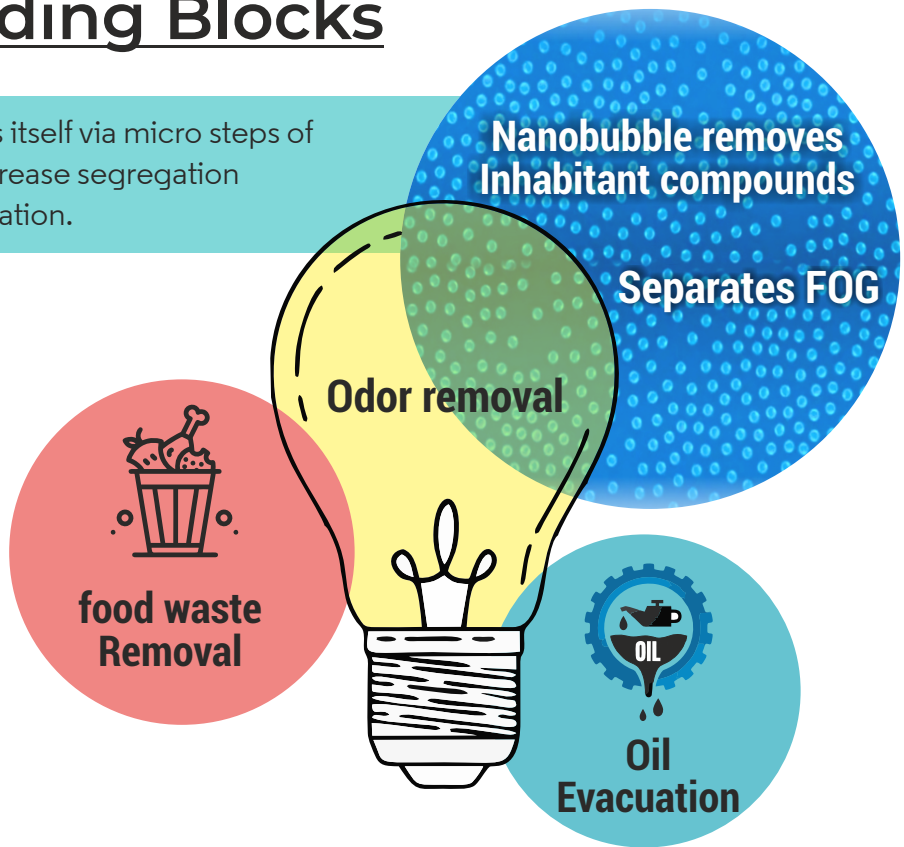
Micro Level Separation → Automation



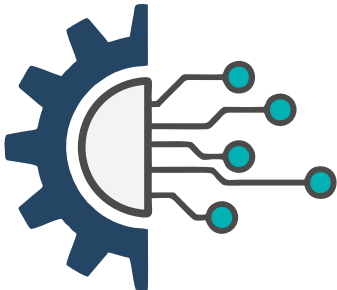
A Micro level removal at various stages is ensured, such that removal is efficient. Ease of maintenance is the key as the objective is to avoid a concoction of septicity of food waste, oil and water.

The Key Building Blocks

The Technology differentiates itself via micro steps of food waste removal, oil and grease segregation Nanobubble Tech & oil evacuation.



Automation



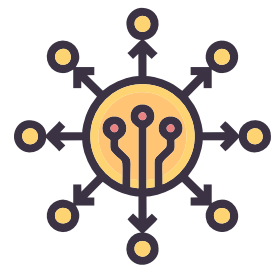
The programme logic controller automates all the steps in a sequential manner with food waste separator, nanobubble technology, oil evacuation, Odor control and operation of disposal pumps efficiently.



The Team & Know-how

The Team has a track record for more than 3 decades in the International markets. System has variants of different models / configurations from “below the sink” to larger sizes as required.

A team of leading scientists, alumni and practitioners from leading Institutions developed on the key building blocks.



Inner Ware of CLAIRE FONTAINE® Food, Oil & H₂O Separator

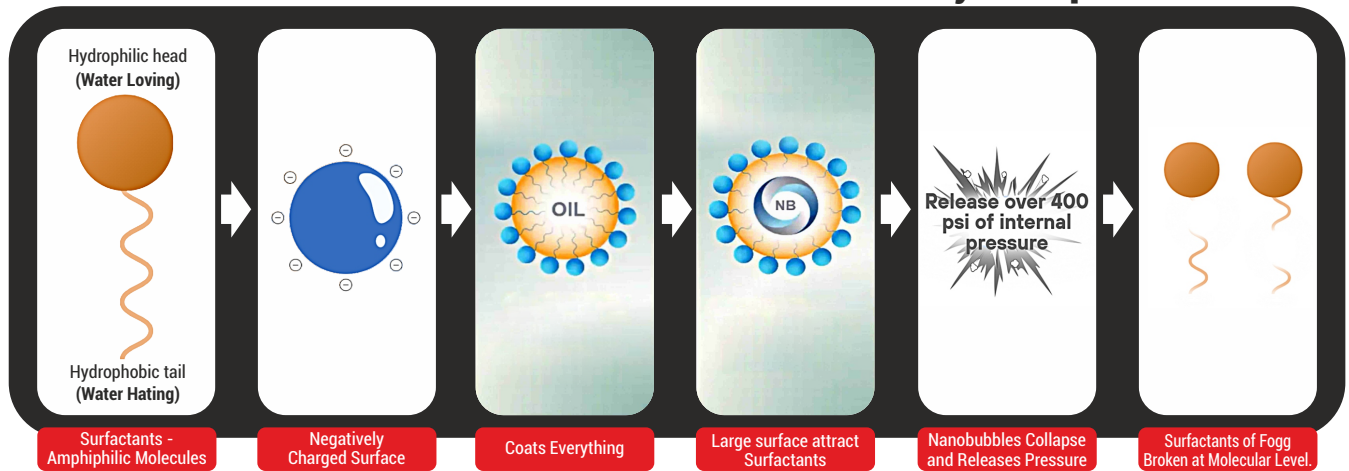
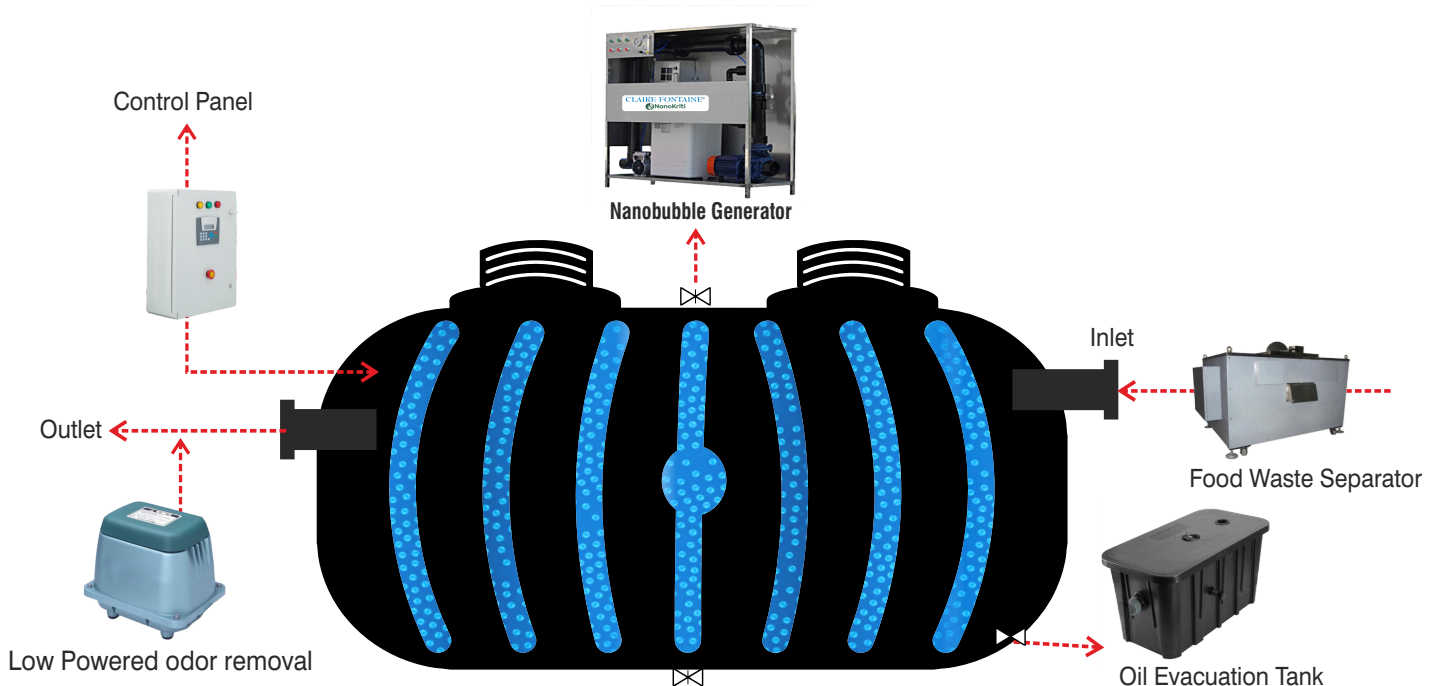
Inner ware of the system has various components and follows the micro steps sequentially of removal of food waste, oil and grease.

It is a modular system and automation can be

programmed to ensure that cleaning and disposal is easily done.

Maintenance is easy and cost of ownership is low due to its advanced features.

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