tiny drops

intelligent indoor mosquito control

Our vision

A small device the size of a fire alarm is placed on the ceiling of a room. Recognizing the spectrum of the mosquito's distinctive wing beat the device identifies and tracks the mosquito's position in the room. When the insect is in reach, the device releases few and very fine, targeted drops of insecticide to eliminate it.

Our mission

While current methods of mosquito control may result in large scale effects on the environment and biosphere, our selective approach seeks to minimize adverse effects on its surroundings. The essential difference of our concept is the **targeted application of a miniscule amount of insecticide**.

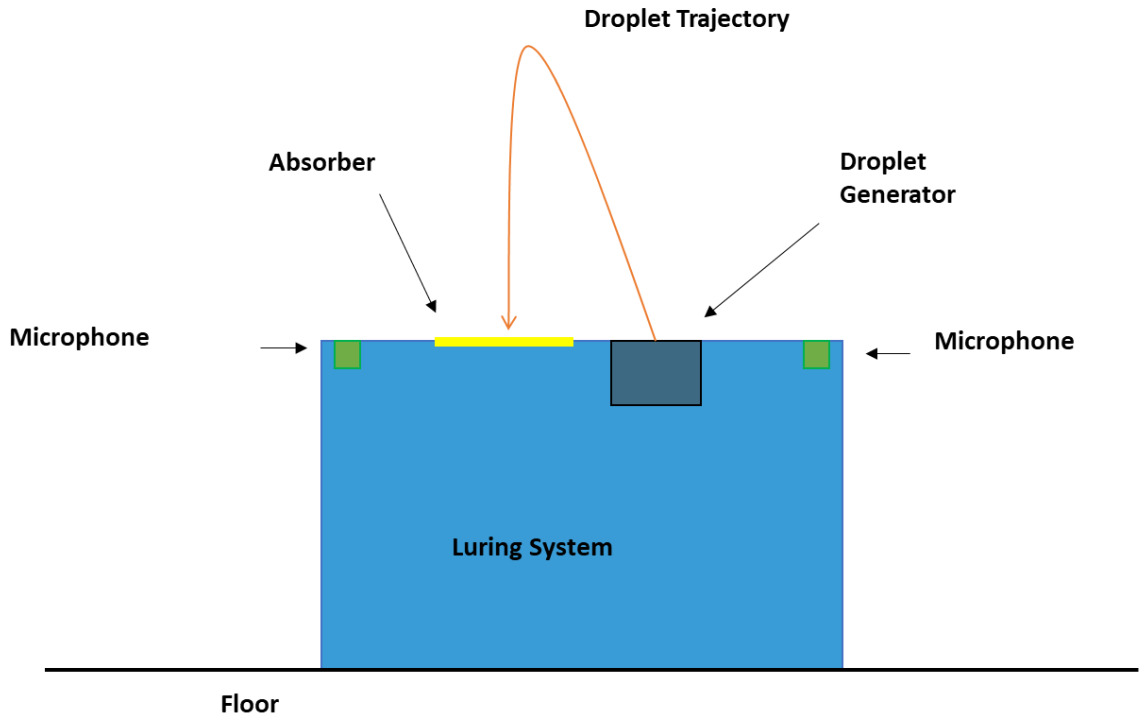
Tiny Drops uses few and very fine, intelligently **targeted drops that are produced by technology based on ink jet printing heads**. It is intended for **use in an indoor environment** and we envision that it could be applied in both commercial (hotels, hospitals) as well as home settings.

Our aim is to create a solution that **reduces the health risks of mosquito bites** while **sustaining the biological integrity of the environment and using minimal amounts of resources.**

Current application and development status

Our **prototype** is a **30 x 30 x 30 cm** device that is to be positioned indoors on the floor. For best results it operates 24 hours. Under these conditions, a **closed indoor location**, such as a bedroom, could be kept mosquito free to a large extent.

The concept of using few and **very fine, intelligently targeted drops** that are produced by **technology based on ink jet printing heads** has been granted **a basic patent** in **Europe, the United States of America, Australia and Russia**. Other regions pending.



Potential and further applications

Given the worldwide proliferation of the mosquito, we expect demand to be high.
Also, the technology can be adapted to track different types of insects or parasites. It offers the opportunity to **target and eliminate a defined insect type specifically**. In a potential external application for instance, the device could eliminate mosquitoes, while repelling bees without harming them.
Positioned on a window frame, a modified device with the technology could **replace the usual fly screens and prevent insects from entering** the house.
Following the same principle, our technology could deter birds from nesting and fouling on buildings. This is only a small selection of the many applications for our technology.

If you have further questions or are interested in a collaboration,

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