



# HOW IT WORKS



**THE  
MOSQUITO  
KILLER  
BILLBOARD**

# THE PROJECT THAT ATTRACTS AND KILLS THE MOSQUITO WHICH CAUSES ZIKA AND DENGUE



The World Health Organization (WHO) recently stated that the Zika virus is a global emergency. According to the organization, the virus is a global public health emergency and requires an urgent answer. To try to solve this problem, we introduce the Mosquito Killer Billboard. An out-of-home panel equipped with technology that attracts and kills the Aedes Aegypti mosquito. In this document, you will understand in detail how the panel works. If you have any questions, you can find our contact at the end of the document. Don't hesitate to contact us. We will be glad to answer your questions.

## HOW IT WORKS

- 1** A device spreads in the air a solution containing lactic acid – which reproduces the smell expelled by the human sweat – and also of CO<sub>2</sub>, which reproduces the human breathing.
- 2** The combination of these two substances attracts the mosquito at a distance of up to 4 kilometers.
- 3** Fluorescent lights enhance this attraction, facilitating the approximation of the mosquito.
- 4** The Aedes flies, on average, 4 feet above the ground. So the catch mechanism was installed at the bottom of the panel.
- 5** This catch mechanism draws the mosquito into the panel.
- 6** After being stuck, the mosquito dies dehydrated.



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## TECHNICAL INFORMATION

- x Minimum CO<sup>2</sup> pressure: 0.5mbar/sec.
- x Maximum CO<sup>2</sup> pressure: 150mbar/sec.
- x Amount of CO<sup>2</sup>: 1 liter
- x CO<sup>2</sup> reservoir: aluminum
- x Lactic acid: Lurex 3
- x Working voltage: 220V biphasic
- x Working current: 6 amp

**OBS.:** The consumption of lactic acid is associated with the CO<sub>2</sub> pressure and injection speed. The human sweat configuration parameters are 0.20mbar / sec. the 0.30mbar / sec. upon lactic acid.

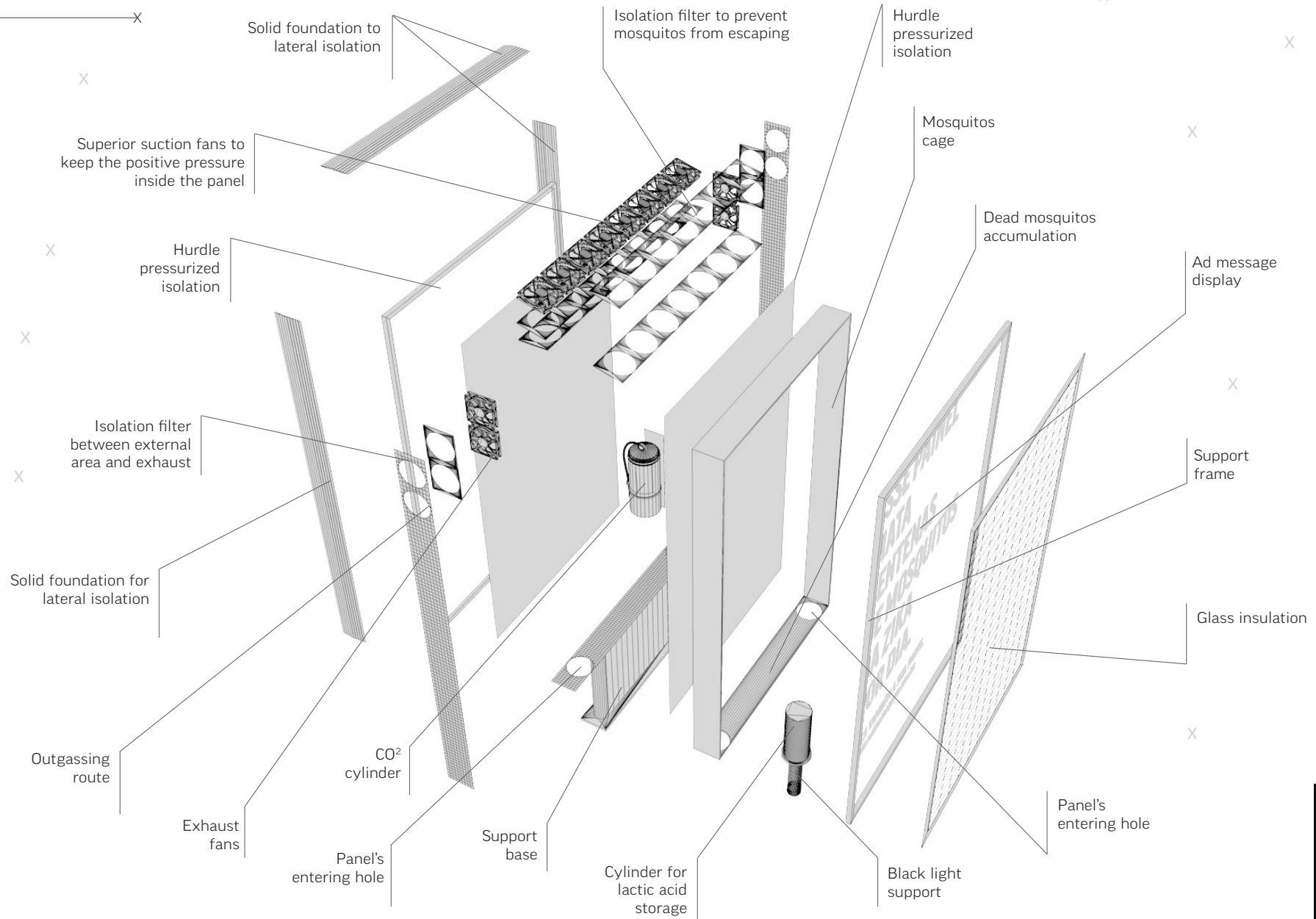


# TECHNICAL BLUEPRINT

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# OUR CONTACTS

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If you have any questions about the project or need assistance to replicate the idea, here are all our contacts:

- x [contatorj@posterscope.com](mailto:contatorj@posterscope.com)
- x <https://www.facebook.com/plusmediaposterscope/>
- x [https://twitter.com/posterscope\\_br](https://twitter.com/posterscope_br)

Together we can help to end the Aedis Aegypti issue. Contribute.





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