

# SORA Technology Co., Ltd.



- ❑ Address: Nagoya City, Aichi Pref.
- ❑ Employees: 13
- ❑ Established in 2020
- ❑ Business: Global health field, such as infectious disease forecasting, through the development and operation of drones & AI

<https://sora-technology.com/en/>

## Outline of the demonstration project

- Demonstration project to establish a digital monitoring system for mosquito-borne infectious diseases in Cambodia using drones and AI to monitor larval habitats, aiming to promote DX such as preventing dengue fever and malaria

## Cooperation with local companies/governments

- Local Partner: Institut Pasteur du Cambodge
- Details of Partnership/Cooperation: Support for academic and human resource development related to larval data, as well as support to introduce a system for the Ministry of Health for the proposed project through discussions with relevant ministries and agencies on collaboration policies

## Targeted economic/social issues

- Mosquito-borne infectious diseases are causing serious concerns, including dengue fever, with over 12,000 cases reported in 2022.
- Although fundamental treatments such as epidemic forecasting systems and spraying larvicides are expected, the digitalization necessary for such treatments has yet to be progressed.

## Details of demonstration

- To develop a monitoring system of high-risk larval habitats using drones and artificial intelligence (AI) and to implement the operational platform
- To enable detection of breeding sites that differ among mosquito species, through development and improvement of multiple AI analysis
- To verify the applicability of technology, which has already been demonstrated and adopted in several African countries to combat the malaria-carrying mosquito species (Anopheles), into another mosquito species that carry dengue viruses (Aedes)

## Expected outcome of beneficiary effects

- In addition to contributing to the reduction of mosquito-borne infectious diseases, it will also provide an opportunity to promote DX for other infectious diseases such as rabies. Moreover, it will also encourage human resource development in Cambodia related to drones and AI.
- It will also contribute to a substantial reduction in labor costs for detecting larvae and improve the cost-effectiveness of spraying larvicide.