Initiative featured at the RIAC's Report developed to support countries' efforts to address COVID-19's impact

Decontamination Technologies

Multiple Entities

Brazil

Shared by: Foreign Ministry of Brazil through the Permanent Mission of Brazil to the Organization of American States (OAS)

The Foreign Ministry of Brazil through the Permanent Mission of Brazil to the OAS reported the following air decontamination technologies developed by institutions of the private and public sectors in Brazil.

- **Indoors Biological Decontamination Through Steam**
  Aurratech

  Aurratech, a global company with operations in Brazil that develops biosafety products, has proven that its steam sanitizer called Fog In Place to decontaminate the air in indoor environments is effective against Coronavirus. Fog In Place employs a biocidal solution in particles smaller than one micron capable of suspension in the air for a long period of time, thus allowing high contact with surfaces in the space where it is used.

  Additional Information:
  https://www.aurratech.com

- **Air Purifier for High-Traffic Areas**
  Biotecam, Instituto Federal Fluminense (IFF), and the Brazilian Company for Research and Industrial Innovation (Embrapii)

  Biotecham is an environmental biotechnology company based in Brazil that develops and manufactures hospital equipment. Jointly with the IFF and Embrapii, Biotecam is adapting a water cleaner device to become an air purifier for high-traffic areas, specially where COVID-19 patients are located. The air purifier innovates by its low energy consumption, 50% lower than the average of similar devices, and an estimated level of disinfection above 95%.

Additional Information:
https://www.biocam.com.br/
https://bit.ly/2ygpC73

- **UV Ray Mop and Decontamination Chamber**
  Embrapii, Institute of Physics of the University of São Paulo in São Carlos (IFSC), and NSF

  NSF, a startup focused on health technologies and equipment, jointly with IFSC and Embrapii, developed a device that uses UV light to disinfect health centers floors from Coronavirus called UV Ray Mop. The UV Mop can sterilize 6,5 feet per minute destroying the protein and genetic material of the virus. Under the same partnership, an Ozone Decontamination Chamber was also adapted from food decontamination to sterilize masks and other personal protection equipment (PPE). The PPE is places inside the chamber and the device generates ozone, one of the fastest and most effective microbicidal agents.

  Additional Information:
  https://www.nsfsaude.ind.br/#sobre
  https://bit.ly/3gb1hRj

What support does the initiative needs?

Investors/partners to scale the technologies and solutions