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

Personal Protective Equipment

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 personal protective equipment developed by institutions of the private and public sectors in Brazil.

- **Bell-Shaped Protective Equipment for Health Professionals**
  Akaer

  Akaer, a company installed in the Technological Park of São José dos Campos that specializes in high technology aeronautical systems and products, designed a bell-shaped protective equipment called Hygiea Shield. The equipment was designed to be used by medical professionals during intubation/extubation procedures perfumed on COVID-19 patients. Interested parties are allowed to access the project, the manufacturing, and assembly instructions. The company delivers the device at the cost of manufacturing and shipping.

  Additional Information:
  http://www.akaer.com.br/en/our-company/welcome/
  https://bit.ly/3ggUqFG

- **Protection Hood for Non-Invasive Ventilators**
  Samel Group and Transire Institute

  Samel Group, a Brazilian HealthTech company that builds hospitals, jointly with the Transire Institute, a BioTech company based in Brazil, developed a protection hood for non-invasive Bipap ventilation for patients with acute respiratory failure caused by Covid-19. The protective structure is called Vanessa and is made of an easy-to-handle PVC frame covered by a transparent vinyl film, which provides visibility as well as protection against potential infections.

Additional Information:
https://institutotransire.org.br/covid19cabineprotecao/

- **Reusable Adjustable Masks**
  Nanox and Elka

  Nanox, the nanotechnology startup based in Brazil, and Elka, a Brazilian company that manufactures industrial plastics, developed a reusable mask made of flexible polymer in a research and development (R&D) project funded by the São Paulo Research Foundation. The mask is called OTO and shapes to different size of faces, incorporates antimicrobe technology, and has space to introduce replaceable filters.

  Additional Information:
  https://bit.ly/36kwfSr
  https://www.otomask.com.br
  http://www.nanox.com.br/en/

What support does the initiative needs?

Investors/partners to scale the technologies and solutions