SAFER

New technologies for safe and effective respiratory support during emergencies and in low-resource settings

· respiratory support
· emergencies
· low-resource settings

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CONTEXT
VIETNAM, WEST AFRICA, ITALY

TIMEFRAME
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ABSTRACT

The Covid-19 pandemic revealed our vulnerability in face of acute respiratory illnesses as individuals and communities. In low and middle-income countries, as well as in high-income ones during emergencies, the pandemic demonstrated that ventilators and oxygen are critical resources.
SAFER aims to develop a simple, robust and inexpensive device for the administration of respiratory support outside the intensive care units, especially in low-resource situations, by means of innovative materials, integrated control systems and new manufacturing technologies. All results will be open-source and protected through a social patent.

PARTNERS INVOLVED

MTTS Asia (social enterprise); Day One Health (NGO); CUAMM (NGO); The Italian Society of Neonatology; ASST Bergamo - Pneumology Department; other medical professionals