

Saving Lives Through Non-Invasive Ventilation

The Health Bank have partnered with Subsolve to bring the non-invasive ventilation hood solution to the Middle East, North Africa and South Asia Region, as exclusive and strategic distributors.



Image provided courtesy Ocean Opportunity Inc.



Dubai, Aug 9, 2020 ([IssueWire.com](https://www.issuewire.com)) - The Health Bank have partnered with Subsalue to bring the non-invasive ventilation hood solution to the Middle East, North Africa and South Asia Region, as exclusive and strategic distributors. This partnership will introduce efficient, affordable and essential respiratory solution to the health care systems in the regions, through a device authorized by the US FDA for Emergency Use.

Subsalue teamed up with Lombardi Undersea LLC, a diving technology research company, to create and launch this non-invasive ventilation solution. Richard Fryburg, founder of Subsalue says, "Along with the FDA Emergency Use Authorization, Subsalue is recognized as having the highest production capacity for these devices globally, and is ready to deliver in a big way. Our team is really excited that we are doing something to contribute and save lives. The hoods are already being used in over 10 countries, with early investigations and training ongoing in the US".

A Study on the effectiveness of non invasive ventilation via helmet vs via face mask at the University of Chicago shows that the intubation rate was 61.5% for the face mask group and 18.2% for the helmet group, showing the effectiveness of non-invasive ventilation hoods, in reducing the requirement for invasive intubation.

Non-Invasive Ventilation (NIV) using oxygen treatment hoods for Covid-19 has also proven to reduce the need for invasive intubation by up to 40% in Italy. The result is a significant reduction in the need for ventilators, and consequently reduces mortality from Covid-19.

"We are confident this technology will improve how medical providers are able to provide care to their patients during this unprecedented pandemic. The use of non-invasive ventilation (NIV) via helmet is an alternative solution to more invasive endotracheal intubation, and an effective way to treat Acute Respiratory Distress Syndrome and patients with COVID-19. This has the potential to free up ICU beds and effectively treat significantly more people than with conventional ventilators', says The Health Bank.

The NIV Helmet solution pairs well with BiPAP, CPAP or other Hi flow devices with oxygen.

Dr. Bhakti Patel MD, UChicago Medicine, is a pulmonologist and an authority on non-invasive therapies that prevent long-term complications in patients on ventilators, , who has been studying the devices for six years, said they hold promise as an early intervention that could spare respiratory patients the need to be put on the more traditional — and costly and invasive — ventilators.

The product is already in use on a large scale in Saudi Arabia, and is seeing rapid interest from neighboring countries. This partnership brings the NIV helmet solution to a larger population at a much lower cost, helping health departments allocate the budget effectively, and manage capacity, while protecting the clinical resources from being exposed to the virus. This product will support the capacity management of hospital and clinical resources, alleviating the pressure on procuring ventilators which are not appropriate in all cases requiring ventilation.

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