



HALCYON RESIDENTIAL
FELLOWSHIP COHORT 18

Biodesign Innovation Labs

biodesign
innovation
labs



KEY INFORMATION

ESTABLISHED
2017

LOCATION
India

INDUSTRY
**Medical
devices**

OF
EMPLOYEES
8

2022 GROSS
REVENUE
\$250K

CAPITAL RAISED
\$500K

LEADERSHIP TEAM

Biodesign Innovation Labs team consists of doctors, engineers, researchers, designers, public health professionals and other domain experts with combined experience of 30 plus years in public health, technology etc. and passionate about improving the quality of care for patients and innovating lifesaving technologies for patient's benefit.

LEARN MORE

WEBSITE
<https://biodesigninnovationlabs.com/>

PRODUCT
<https://biodesigninnovationlabs.com/manufacturing-inquiries-2/>

CONTACT
Gautham Pasupuleti
gautham@biodesigninnovationlabs.com

What We Do

Biodesign Innovation Labs is a medical device and healthcare technology company which develops innovative and affordable critical care solutions for patients during medical emergencies. The company was established in July 2017 and has multiple patents, publications for its products and solutions.

The Challenge

Respiratory illnesses are one of the major reasons for deaths globally. 1 in 6 deaths is due to respiratory illnesses. In India, more than 5,000 people die every day due to respiratory illnesses. About 45 to 60 percent of patients who are critically ill require ventilatory support. In low resource healthcare settings, use of prolonged manual ventilation is exhaustive, inconsistent and unreliable during ventilator shortage or unavailability and this leads to mortality and morbidity of patients.

The Solution

RespirAID is a patented ventilator technology developed by Biodesign Innovation Labs. It is a safe, affordable, reliable, easy to use alternative for prolonged manual ventilation during medical emergencies for patients. It is a mechanical ventilation device that provides ventilatory support for patients during emergency care, post operative care and transport ventilation.

Investment Opportunity: \$5M

Traction

Biodesign Innovation Labs has received many awards, grants and recognitions for the medical device products, technologies invented over the years. Some of them are given below:

- CISCO Global Problem Solver Challenge – Pandemic Response Prize
- Forbes India Ultimate 120 Pioneers of Change
- CCAMP COVID Fund
- BIRAC BIG Grant
- IIT Bombay Best Campus Status
- CAMTech MGH Award
- Hello Tomorrow Deep Tech Pioneer
- DST Nidhi4COVID Fund
- Elevate 100 Award
- Qualcomm Design India Challenge
- DST Nidhi Prayas Grant
- Gap Funding, IDEA Accelerator –Northeastern University
- Nasscom JANCARE Challenge and many more.

The products developed by Biodesign Innovation Labs such as RespirAID and ResPAP has helped many patients in India with its deployments in India, Africa especially during the COVID first wave, second wave which was critical to the infrastructure of the hospitals in treating patients. The company has many inventions, patents, publications for the products and solutions developed since 2017.