THE PROBLEM

Pneumonia is identified as the number one cause of death in children. In the Philippines, health care services are not well established in remote areas. The use of mobile services and telecommunications facilities are avenues to reaching to remote areas. Furthermore, this would address the #3 Goal in the Sustainability Goals of 2030 which is Good Health and Well-being.

WHAT WE NEED

- Medical Practitioners for the validation of the algorithm in developing the fingerprint of the lung sounds.
- Research and Development team for the development of the circuit and algorithm
- Licensing Partner Manager

THE SOLUTION

POLMONIX provides an automated system for gathering lung sounds through a digital stethoscope that is connected to a smart phone with an app that provides the profile and medical history of the patient. The data is recorded and transmitted by the mobile phone to a data server. The sound data together with the medical history is processed by an algorithm that identifies the type of sound; wheezes, ronchi, crackle, or stridor. The output assists in the diagnosis of the respiratory ailment.

HOW WE PLAN TO DEVELOP

License out the design of the circuit to companies involved in the design and fabrication of integrated circuits and to companies involved with the manufacturing and sale of stethoscopes. License out the Application and Data Server to health care centers, hospitals, and medical practitioners.

MARKET

The market includes doctors, local government units, and hospitals.

CONTACT US

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“No one should die because they live too far from the doctor.”
-Raj Panjabi