



**~16,450** units  
protecting vaccines and  
enhancing immunization  
distribution in 26 countries.<sup>1</sup>

## Safeguarding the Vaccine Cold Chain to Deliver Safe Medicine for Kids

Nexleaf Analytics is a nonprofit company created to bring technological solutions to real world problems in low- and middle-income countries. Significant challenges face healthcare providers tasked with distributing vaccines and inoculating patients. One the most difficult challenges faced by doctors and nurses serving populations in remote areas of the world is maintaining a “cold chain”. NexLeag collaborated with Intel to develop ColdTrace 5, a remote temperature monitoring unit designed for use with refrigerators that store vaccines or temperature sensitive medical supplies. ColdTrace 5 continuously monitors the temperature in refrigerators, collecting data 24/7/365. Functioning as an edge device on the Internet of Things, it communicates via cellular networks, providing customizable analytics, reports, and tools for the healthcare workers and administrative authorities who are responsible for maintaining vaccine distribution.

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