Executive Summary

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nexxiot can recycle 2000 pieces of hardware per year. Therefore, in a first phase, I would like to try out 3 different ways of implementing the product in one poor Indian neighborhood. Let's call it a test phase.

1200 devices to households

merge 4 devices to generate enough power (12V) to generate light for 1 household. With 1000 devices we provide light in 300 spots and cover a basic need.

400 devices spread in a neighbourhood

Adding an alarm button and a speaker to 400 devices (covering 4km2, every 20m one device), and connect them to the network, then distribute them over an area. In case of an emergency witnesses or victims can hit the alarm button. A signal will be sent to the receiver (eg. police) and help can be sent to the location of the exact device. A small speaker on the device confirms that the alarm has been activated (with alarm noice).

Supply 400 devices to local innovators and let them research the specifications. They are much closer to the problem as we are. It would be selfish of us to think we could solve problems in developing countries from our home office!

400 devices supplied to local innovators

Then:

Analyze

Track results

Adjust innovations

understand solutions from local innovators

use results of the analysis for a hackathon in Switzerland, to gather new ideas

organize next distribution

adapt our solutions

Water Street

THE RESERVE OF THE PERSON NAMED IN

HARD FACTS:

TEST PHASE

IN THE INDIAN COUNTRYSIDE OR IN SLUMS ON THE OUTSKIRTS OF THE CITIES, THERE IS NO ELECTRICITY, NO NEON LIGHTS, NO STREET LAMPS. ALL THE LIGHT PEOPLE HAVE AVAILABLE ARE SMALL PETROLEUM LAMPS.

EVERY YEAR, HALF A MILLION CHILDREN DIE FROM INFECTIOUS DIARRHOEAL DISEASES.

THAT IS 57 CHILDREN PER HOUR.

(A) TWO THIRDS OF THE PEOPLE IN INDIA LIVE IN POVERTY: 68.8 % OF THE INDIAN POPULATION HAVE TO LIVE ON LESS THAN TWO US DOLLARS PER DAY. MORE THAN 30 % EVEN HAVE LESS THAN 1.25 US DOLLARS PER DAY AT THEIR DISPOSAL - THEY ARE CONSIDERED EXTREMELY POOR.

ACCORDING TO OFFICIAL GOVERNMENT FIGURES, ONE WOMAN OR GIRL IS RAPED EVERY 15 MINUTES IN INDIA.

Let's find innovative solutions where we can use the nexxiot hardware devices to work towards the 17 Sustainable Development Goals (SDGs) in poor Indian neighborhoods.



ZERO HUNGER















