



SOLAR POWER-CLEAN WATER AND TECHNOLOGY

WE HELP COMPANIES TO ACHIEVE A POSITIVE CARBON FOOTPRINT AND GENERATE STRONG SOCIAL INCLUSION IN THEIR QUEST FOR A "NO NET LOSS" ENVIRONMENTAL IMPACT.



AT InfiniteEARTH WE BELIEVE IN MAKING A MEASURABLE IMPACT ON THE LIVES OF PEOPLE WHO NEED IT THE MOST.

Our project, Rimba Raya Biodiversity Reserve, has a community of proud & talented people who would like the opportunity and means to achieve their goals. They are people who are committed in their partnership with us to protect the fragile ecosystem and biodiversity that future generations will depend on.

This community deserve a helping hand from business entities & individuals who share the same desire to make a contribution. One that actually does have tangible and measurable impacts, not only in this specific region of Borneo, but on a large environmental scale.

Working with Infinite EARTH means peace of mind – for your organization, your auditors, your shareholders and your consumers.

Companies such as yours constantly look for effective & far reaching community building CSR initiatives.

Review our initiatives and see which ones align with your company values and goals. We provide an opportunity for you to to contribute to orangutan and wildlife conservation, environmental protection, education and business opportunities that will enable a community to build economic strength while giving community members a better quality of life.

Partner with InfiniteEARTH and our stakeholders to help us develop a sustainable future for these villages in the heart of Indonesian Borneo.





HEALTH AND WELL-BEING

Chronic poverty remains a major concern for many developing countries. Conventional frameworks for understanding development and poverty have focused on money, commodities and economic growth. Our approach contributes to community development centred on human well-being. Poor people are not defined solely by their poverty, they have needs they wish to fulfill and we make every effort to assist them as much as we can.

Increasing access to energy is critical to ensuring socioeconomic development in the world's poorest countries. An estimated 1.5 billion people in developing countries have no access to electricity.

About 80% of illnesses in developing countries are linked to poor water and sanitation conditions. 1 out of every 5 deaths under the age of 5 worldwide is due to a water-related disease.

WATER

Clean and safe water is essential to healthy living. Clean water means reduced mortality rates, particularly for children, women and the elderly. One might ask why people don't just boil their water to ensure that it's safe to drink and we would remind you that the fuel required to make fires is more expensive that most people can afford.

GOAL

Protecting a forest is all well and good but unless we are protecting the community that depends on that forest, we will not enjoy long term success.

Our goal has always been to empower community members & to improve their economic status, but we are also focused on their continued well-being and we contribute to this by ensuring they have access to clean water, clean energy and technology that enables them to continuously grow and develop new skills.

The Floating Clinic Initiative focuses on community health, the libraries and scholarships promote quality education and Micro-Enterprises develop economic stability. However we still want to secure additional health and social well-being benefits of the community. We do this by providing access to clean water and energy and technology that promotes access to information.



















WATER PURIFYING SYSTEMS



Communities located on the border of our concession, continue the age-old tradition of using the water from the Seruyan River for all their needs, these include fishing, drinking, bathing and as a means to remove sewage.

One of the challenges faced by people who are on the poverty line, is the ability to find funds to afford clean water solutions.

At the end of 2019 we installed 3 water purifying systems in Baung Seberang, Muara Dua and Jahitan village (Completed in December 2019). The system has 2 x 2000 litre tanks, a 2800 watt generator and a series of filters and drinking grade piping. Each system can provide can provide 2,000 liters of clean water in 4-5 hours.



The 3 facilities are provided to fulfill the needs of population in Baung village 1,735 people, Jahitan 578 people and Muara Dua 533 people.

Village Stakeholders and Rimba Raya staff chose a location for the system based on underground water access and reasonable assurance that availability would be consistent. A well was dug and the system installed within a caged area that ensured that the water would be stored hygienically. The "Water CoOps" are managed primarily by women.





WATER FILTERS

Drinking water remains inaccessible to 1.1 million people globally. Safe and readily available drinking water is important for public health. Water is required for many purposes including cooking, drinking, washing, personal hygiene, irrigation, recreational and industrial use. The sources of drinking water in developing countries can range from surface water, groundwater, spring water, saline water, bottled water and harvested rainwater. In our region, the community depends mostly on surface water, particularly the Seruyan River which runs the length of the project area and has been under increasing pressure as the population grows and the accompanying pollution has a devastating impact on the water quality.

In 2016 we distributed 2,164 water filters (1 to every household) and 1995 of spare-parts including filters to replace the broken filters. As a result access to clean water reduced the incidence of water-born diseases, the number one contributor to illness.





"The worst aspect of dirty water is that it gives diarrhoeal diseases to children. Some four to five billion episodes of diarrhoea yearly cause 2.2 million child deaths under the age of five," said Sally Cowal, vice president of Population Services International.

We make every effort to develop efficient, economical and technologically sound methods to produce clean drinking water.

The community stakeholders have already indicated an improvement in health which is directly attributed to the water filters and water purifying systems and we will continue to improve access by installing more systems in the villages bordering our concession.













SOLAR POWER





Historically, marginal groups in developing countries obtain fuel for fires from the neighboring forests. This by definition leads to deforestation. Additionally, burning conventional fuels like coal and wood has led to a rapid increase in CO2 emissions. It's an accepted fact that by limiting the increase of total greenhouse gas (GHG) levels in the atmosphere, we will be helping to reduce the impact of climate change and it is for this reason and a need to protect vulnerable forests that we need to turn to the miracle of solar energy technologies.

A total of 15 solar panels were placed at strategic spots around the village of Ulak Batu. In one area 6 were installed where they supply enough electricity for 21 houses, a mosque, a guest house, the village health clinic and 6 units of road illumination. In another section of the concession, an additional 9 panels were installed to supply electricity to 36 houses, the village centre and 9 units of road illumination.

Local inhabitants are in charge of ensuring the system runs effectively and is well maintained.

The objective is to meet the electricity needs of the Ulak Batu community. This encourages community economic activities at night time while students are able to study for longer.





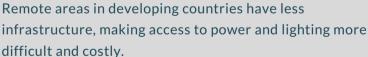
INDIVIDUAL SOLAR PANELS

An estimated 1.2 billion people worldwide lack access to electricity, and most resort to kerosene, coal or wood as their primary lighting source. Replacing these with solar lighting could offer a reduction in exposure to toxic smoke and it can provide better-quality and more hours of nighttime light; enhance safety, and provide an affordable way to charge cell phones, technology has reached even these remote villages.

Eight of ten communities are completely off-grid. Equatorial nights are long (12 hrs). Solar lights dramatically increase the well-being of community members, leaving more social and educational time. Every household without electricity (1,800) have been provided solar lights + 300 replacement batteries, thus reducing the demand for wood fuel by approximately 4kgs per household per day or an aggregate of 10,000 kgs (10 tonnes per day)







The money saved in the reduction of the use of other fuels, has increased disposable income in each household.

Academic performance is impacted due to increased hours of light at night

At the end of 2019, we started a new solar project where 28 units were installed in the village of Tempudau and 48 units installed in Belanti. One solar system is shared between two houses and each system is sufficient to provide basic electrical needs for each house. This idea has proven effective in ensuring that neighbors work together so both households can benefit equally.











TECHNOLOGY

We live in a time of stunning technological wizardry, and these advances don't always reach the poor in a significant way. Too often the least developed communities remain far behind if not excluded entirely. While one may have mixed emotions about seeing a child in a small village in Borneo playing a game on a mobile phone, we must acknowledge their right to this access. People in developing countries also have a desire to learn more about a rapidly changing world and we would like to make increased contributions to their technological advancements in the coming years.

It's also important to introduce technology in a measured way, ensuring that stakeholders are trained in usage and benefit fully from each new introduction, be they mobile phones, tablets, desktops, internet access digital projectors, data gathering camera traps or any technologies that are deemed to improve their

quality of life.



We make use of a drone to monitor the concession. It's particularly useful during the fire season when the border must be regularly monitored to ensure that fires in neighboring concessions don't spread into ours and as a means to keep an eye on hotspots.

Digital projectors and screens have been installed in each of the two libraries. These are used to make presentations to community members as a means to communicate in a meaningful way and obtain their feedback. It also helps us keep stakeholders updated on the initiatives that we've implemented and visually address the challenges we face so that they can be addressed as a community.

Computers and internet access in the library or community centres will give children access to educational opportunities while adults will be given opportunity to learn that the internet is a treasure trove of information which may help them get over the fear of the unknown.















AT A GLANCE

Developing nations and remote communities face unique challenges when it comes to sustainability and growth, even as globalization has led to many advancements throughout the world.

Technology has played a key role in helping move developing countries toward sustainable growth, with innovative solutions that promote the welfare of people in those areas. Whether it's providing solar energy to power villages, giving access to Wi-Fi, setting camera traps to collect data on biodiversity in our concession, or expanding education to adults and children through digital means, technology continues to be a critical resource for sustainability.

There is so much more we would like to contribute and we look forward to partnering with companies & individual who share the same goals.

As a REDD+ Project, Rimba Raya Biodiversity Reserve depends on the income gained from the sale of Carbon Credits to support initiatives that have far reaching and long term benefits and which are vital to the success of the community as a whole.

WE LOOK FORWARD TO PARTNERING WITH YOU.

TALK TO US

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