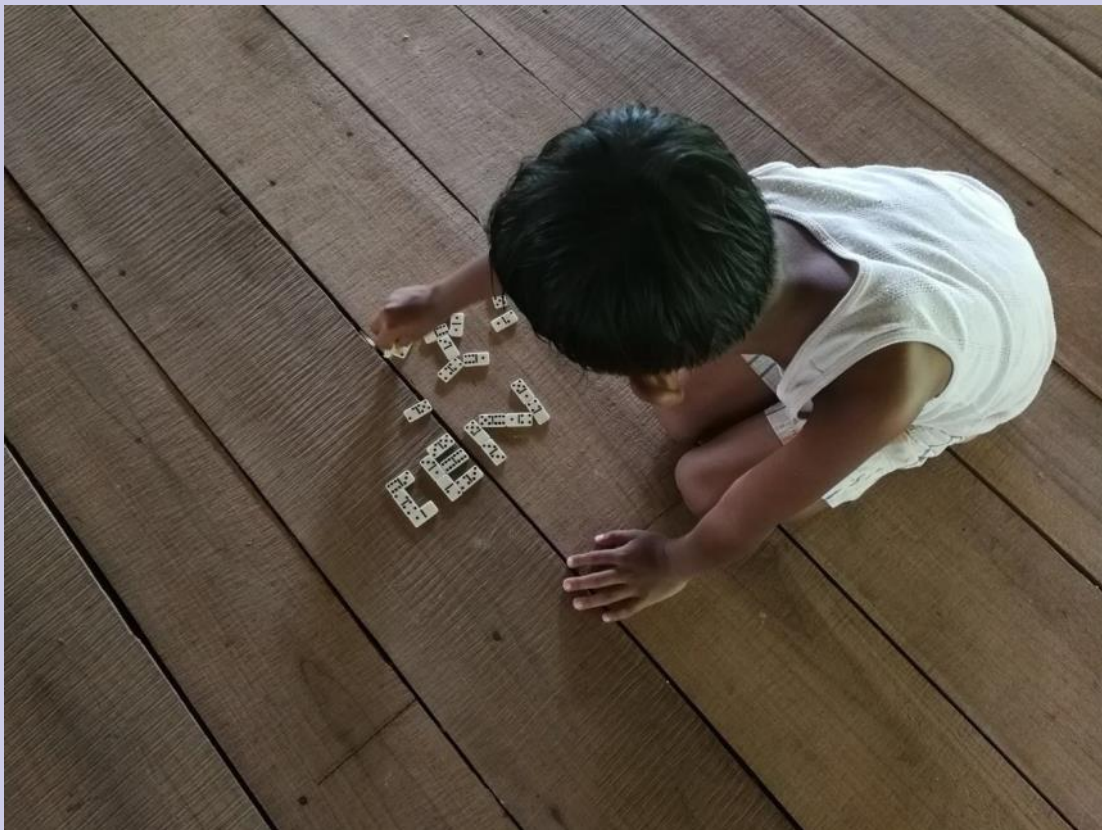


# Community Development Program (CDP)

## 2018



## ANNUAL REPORT

Terralog Technologies Inc.  
PT Terralog Teknologi Indonesia



Terralog Technologies Inc.

# In Memoriam



Nancy at Al Jauhar Foundation in Duri Indonesia, 2009

Dedicated to the loving memory of:

**Nancy Adamson**

**1959 – 2019**

Nancy was the pioneer of Terralog's Community Development Program (CDP). She was the program's first manager in 2008 until 2012, and was instrumental in building a solid foundation for the future of the CDP. Nancy developed and refined the program from a part-time initiative into an essential and integrated component of Terralog's organizational structure and culture. Her kindness, light-hearted spirit, and generosity made her a beloved and cherished member of the Terralog family worldwide.

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#### *Front cover photo:*

*Pre-school child learning spelling during an after-school educational program in Costa Rica*

#### *Back cover photo:*

*Terralog's President, Roman Bilak, meets with students at Petani Village during a remote healthcare program in Duri, Indonesia*



*Muhammadiyah students practicing using a sewing machine for creating handcrafts in Duri, Indonesia*



*Provision of remote healthcare in Indonesian village*



*Elementary school students participating in a dental education and treatment program in Indonesia*



# Terralog Technologies Inc. (TTI)

## Company Profile

*Terralog Technologies Inc. (TTI) is an service company headquartered in Calgary, Canada. TTI specializes in clean-energy geomechanics.*

Terralog Technologies Inc. (TTI) is an international service company specializing in clean-energy geomechanics and sustainable resource development.

TTI has developed an innovative, long-term, sustainable, hydraulic fracturing process, called Slurry Fracture Injection (SFI). The SFI process is an environmentally sustainable hydraulic fracturing technology.

The SFI process has multiple applications including sustainable deep well disposal and unconventional petroleum resource development. There are significant operational, economic, and environmental advantages associated with using the SFI process in these applications.

In Indonesia, PT Terralog Teknologi Indonesia (PT TTI) used the SFI process to operate one the of largest deep well disposal projects for exploration and production (E&P) waste streams in the world. The SFI project was located at the Duri oilfield in the Riau province of Sumatra, Indonesia, and achieved 'Zero Discharge' waste disposal. Operations began at the Duri site in December 2002, and ended in June 2017.

PT TTI continues to work in collaboration with TTI to develop and implement TTI's technologies for sustainable resource development in Indonesia and SE Asia, in the areas of deep well disposal, unconventional resource development, and renewable energy.



*Terralog's President Director, Roman Bilak, speaking during an expert panel at an industry conference in the Middle East*

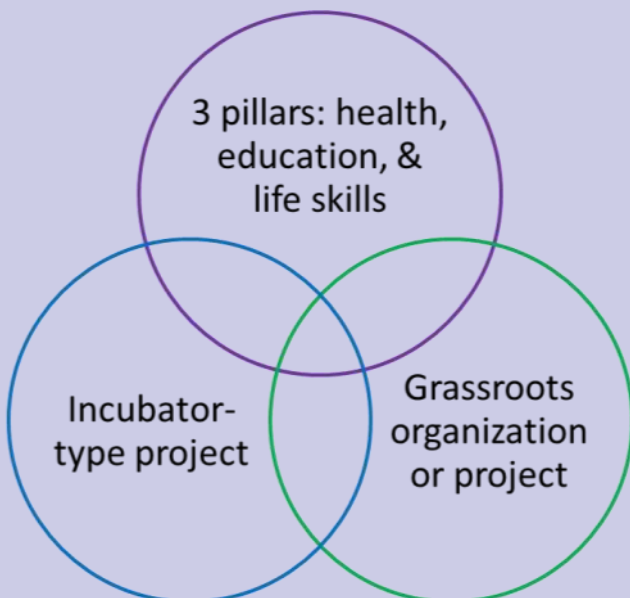
## Community Development Program (CDP)

***Terralog Technologies Inc. (TTI) and PT Terralog Teknologi Indonesia (PT TTI) invest a portion of their earnings into the Community Development Program (CDP). This program focuses on supporting projects that directly improve quality of life for women and children in the areas of education, health, and life skills development. Our support is viewed as an investment in the future.***

### Program Criteria

The Community Development Program (CDP) pursues projects of specific need that satisfy the following criteria:

- Improves women and children's health, education, and life skills.
- Grassroots in nature — often volunteer-run organizations, with little or no funding received from governments, foundations, or corporations.
- Incubator-type projects — CDP funding is key to the project starting or continuing, and there must be potential to grow the project to the point where it can attract additional funding from other sources.



### Project Categories

- ***Ongoing Projects***
  - Community Development Program (CDP) funding is meant to focus on a specific need. The TTI CDP is seen as incubator funding, whereas PT TTI supports organizations or projects to a point that they can attract funding from other sources. Every year, the CDP's ongoing projects are evaluated to ensure they continue to meet CDP criteria.
- ***Special Projects and Disaster Relief Support (up to USD 15,000 per year, as required)***
  - The CDP includes a fund for 'special projects' to address situations of urgent need or where basic needs at facilities for women and children are not being met.
  - Special projects are one-time donations that meet an urgent need, on an emergency basis.
  - Disaster relief funding is also available to support emergency relief efforts in Southeast Asia as required.

## Community Development Program (CDP)

### Projects Overview: 2018

TTI's CDP focus for 2018 was international projects, which included.

- Delivery of mother and baby kits for refugees in Europe.
- Education tuition costs for 45 Ebola orphans in Sierra Leone.
- Transportation costs for 132 people to participate in Anti-Retroviral Transport Program in Uganda.
- Art supplies and school uniforms for the pre-school children participating in educational activities in Durupe, Costa Rica.



*Child from a recipient family of the CDP-sponsored mama and baby kits for Syrian refugees in Greece.*



## Everyday Refugees

**Lesbos, Greece**

**Project:** Mama and baby kits

**CDP Involvement Since:** 2018 

### Project Description:

*The focus of the Everyday Refugees Foundation is to create more awareness for the refugee's cause through photography and its publication.*

*They also carry out more activities, such as: supplying the necessities of life (food and clothing), setting up schools, and organizing lectures and presentations to create more awareness for the circumstances under which the refugees live.*

*In August 2018, the team from Everyday Refugees visited Oinofyta Refugee Camp north of Athens, Greece and delivered "Mama and baby kits" to Syrian and Afghan refugee pregnant women and mothers sheltering in the camp. The CDP contributed seven of these kits.*

## EVERYDAY REFUGEES FOUNDATION

Everyday Refugees Foundation was formed as an official non-profit organization in July 2017. However, they have been providing support to refugees in Europe for quite some time.



**Contents of the Mama and Baby Kits**



**Mother receiving the first Mama kit for her 58 day old baby, after her family fled war-torn Syria.**

## Freedom Tree

**Kambia, Sierra Leone**

**Project: Education costs**

**CDP Involvement Since: 2016**

### **Project Description:**

*According to the IMF, Sierra Leone is one of the world's poorest countries, ranked as the 10th poorest country in the world. The life expectancy in the country is only 53 years, and there remains a high maternal and infant mortality rate. A high proportion of people are unable to easily access and afford health services.*

*TTI CDP's contribution in 2018 was to provide funds for one semester for 45 Ebola orphans living in the Northern community of Kambia, which was one of the most hardest hit communities by the Ebola outbreak in 2014.*

*Approximately 80% of the guardians of the children are illiterate, and most of their vocation is petty trading (selling small items by the roadside). Without Freedom Tree's work and CDP's sponsorship, most of the children would not go to school as their families cannot afford to pay the fees. Some of the children come to school very hungry, as they only get one meal a day.*

freedomtree

Founded in 2012, Freedom Tree is a small Canadian-based, volunteer-run charity that works in Sierra Leone to reduce levels of maternal and infant mortality, one community at a time.



*Head teacher signing the payment form for the students' enrollment*



*Schoolchildren sponsored by CDP*



*Children of the Kambia community playing at recess*



*Children singing a song before school starts*



## Kwagala Foundation

*Kassanda, Uganda*

### Project: Transportation to Anti

### Retroviral Transport Program

CDP Involvement Since: 2014

### Project Description:

*Uganda, like other African nations, provides free ARV (Anti-Retroviral) Treatment to those living with HIV. However, the transportation and doctor's visit are not free. This creates an obstacle for the many people, especially in rural Uganda, who must find the money to get themselves to the bigger cities and hospitals.*

*TTI's CDP has funded Kwagala Foundation's Antiretroviral Therapy Transport Program. In 2018, the CDP funded the transportation for approximately 132 people to travel to clinics four times per year to receive life saving anti-retroviral (ARV) treatment.*

*The ARV Transport program covered transportation, food, doctor's consultation fees, and medicine (paid to pharmacy). CDP support also allows for an increasing number of people to join the community-run HIV/AIDS support group,*

Kwagala Foundation is a small non-profit, non-governmental, grassroots organization operating in Uganda, East Africa. The organization is based in Winnipeg, Manitoba. They are incorporated as a non-profit at the federal level in both Canada and Uganda.

Kwagala has several programs, including public health, HIV/AIDS and STI programs, child sponsorship, agricultural programs, and sports and recreation programs.



*Participants of the Anti-Retroviral Transport Program*



*Most participants are small-scale farmers and labourers*



*Residents of the Kyababeezi Village, participating in the transport program*



## Shakti Seva

**Durupe, Costa Rica**

**Project: Art supplies and uniforms for pre-school students**

**CDP Involvement Since: 2018** 

### **Project Description:**

*In Central America, the BriBri are the largest indigenous group and are the original caretakers of the land in Costa Rica. They live in the indigenous village of Durupe on the east side of the country, near the Caribbean Sea.*

*Also called the 'hidden people', the BriBri have lived in isolation for thousands of years until recent years. Due to a lack of government funding, many children of the BriBri community do not have access or resources to receive an education.*

*To combat this, the Shakti Seva program offers daily activities to pre-school students in Durupe at the local community centre. TTI CDP's donation provided pre-school children with art supplies and school uniforms which they can use from kindergarten to Grade 3.*

Shakti Seva is a small non-profit organization operating in Costa Rica. Through Shakti Seva, volunteers spend three months living with the BriBri and providing daily educational activities to pre-school children in the after-school hours. The volunteers work alongside local elders to create culturally appropriate activities and experiences for children.



**Shakti Seva volunteer reading a story to a pre-school child**



**Young students showing off their new backpacks**



**Pre-school children learning about geography**

## Community Development Program (CDP)

### Projects Overview: 2018

Most of the community contributions are made in Duri, Riau (Sumatra), which is the location of PT TTI's field operations.

In 2018, PT TTI's Community Development Program (CDP) included the following projects in Duri:

- Supporting food security and life skills development through chicken ranching at junior high boarding schools.
- Conducting dental education and treatment for elementary school students.
- Teaching English classes to over 120 junior high school students.
- Supporting life skills development by donating five sewing machines for junior high boarding schools, to build the students' skills and abilities.
- Supporting an elementary and junior high school in West Java by providing three teachers' salaries for the year 2018, and donating biscuits and milks to 160 kindergarten students.
- Providing new safe playground equipment and creating the foundation for the playground equipment at a kindergarten.
- Installation of water system (including water tank and water tower) to support a kindergarten's health and dental hygiene program for children.
- Providing farming materials and supplies (wheelbarrow and cultivator) to help a women's group farming program with PKK Balai Raja.
- Providing free health and dental check-ups and treatment to over 800 people in four remote villages.



*PT TTI Office Manager Puspa Sari Dewi and Dr. Ulfa Team conducting the Remote Healthcare Program at Sebarang Village with 200 villagers and Medical team from Mandau*





## Darunnajah Boarding School

*Duri, Indonesia*

**Project:** Supporting food security and life skills development through chicken ranching at junior high boarding schools

**CDP Involvement Since:** 2015

### **Project Description:**

*In 2018, PT TTI's CDP continued the chicken ranch program Darunnajah Boarding School. A total of 10 boxes of day-old chicks (1 box = 100 day-old chicks) were donated to the school. The school harvested 1 tonne of chicken, of which 20% was consumed by students. The school made income from the chicken harvest, which was used to provide chicken feed and support their operating expenses.*

Darunnajah School is a boarding school for 250 students, and a home for 25 orphans. This school has elementary, junior, and senior high school students. Students receive funding to attend school from private donors and the government. However, the school still requires additional donors to help cover its operating expenses.



*Darunnajah chicken ranch - chickens are 20 days old*



*PT TTI Office Manager Puspa Sari Dewi and Pak Andi (Darunnajah) visit and hold up a day old chicken from the ranch*



*Student and teacher preparing chicken feed*

## Darunnajah Boarding School Duri, Indonesia

**Project:** Dental education and  
treatment for elementary  
school students

**CDP Involvement Since:** 2015

### Project Description:

*In 2018, the Dental Education and Treatment for elementary school students at Darunnajah Boarding school was designed in collaboration with local dentist, Drg. Monna. This program provided elementary school students at Darunnajah school with the opportunity to practice good health and dental hygiene by hand washing and brushing their teeth every morning at school before classes start.*

*Twice a year, students receive oral hygiene materials and dental checking and treatment from a dentist. In 2018, 62 students benefitted from this program.*

*This program includes the following:*

- *Students wash their hands and brush their teeth every morning at school, supervised by teachers.*
- *Dentist provides continual education to teachers about dental health and other health issues.*
- *Students receive dental education, checking and treatment from the dentist every six months.*
- *Medical doctor visits with the students every six months to provide them with health and hygiene education as well as any required medications.*



**Drg. Monna (a dentist) gives dental education to elementary students at Darunnajah Boarding School.**



**Drg. Monna (a dentist) provides check up and dental treatment for a Darunnajah school student**



**Elementary school students brush their teeth in the morning before classes start**



## Darunnajah Boarding School

*Duri, Indonesia*

Project: English training for students

CDP Involvement Since: 2013

### Project Description:

*In 2018, PT TTI's CDP continued a program for teaching English to students at Darunnajah Boarding School.*

*PT TTI CDP Coordinator Ahmad Sakti Alhamidi Hasibuan (Sakti), an English teacher by background, taught two classes 4 times a week to 120 students at Darunnajah Boarding School.*

*The CDP English training program focuses on spoken English and vocabulary. All students write at least one mid-term exam and one final exam.*



*Sakti teaches English at Darunnajah Boarding School for female students*



*Sakti teaches English at Darunnajah Boarding School for male students*





## Muhammadiyah School

*Duri, Indonesia*

Project: Providing sewing machine donation

CDP Involvement Since: 2009

### Project Description:

*In 2018, PT TTI CDP supported children's life skills development by donating five sewing machines for junior high boarding school students to practice creating handicrafts. This project was follow-up to the life skills workshop at Muhammadiyah Boarding School in 2017.*

*The sewing machines will be used by students to practice, and regular training will be conducted every two weeks by teacher, Ibu Yanti.*



Muhammadiyah School is an Islamic junior and senior high school run by the Muhammadiyah Foundation. Opened in 1989, it is a boarding school where children receive free education, accommodation, and meals. In 2018, the school had 186 male and female students, ranging in age from 11 to 16. Approximately 20% of the students are orphans, and the rest come from underprivileged families.



*Ibu Puspa and Fikri (PT TTI Field Operation Supervisor) showing the students how to use the sewing machine*



*Female students practice using the sewing machine*



*PT TTI Office Manager (Ibu Puspa) and CDP Coordinator (Ahmad Sakti) delivered the sewing machine to Muhammadiyah boarding School*

## Modern Islamic Education of Madani School (Madani)

**Sindang Lengok Village, Parakan Salak (West Java), Indonesia**

**Project: Supporting children's education**

**CDP Involvement Since: 2013**

### **Project Description:**

PT TTI's Director Pak Muhammad Hafni and his wife, Ibu Hestyani Hassan, founded Modern Islamic Education of Madani School (Madani) in 2013. Together, they support the majority of the school's fees, including the student's books and uniforms. PT TTI's CDP has proudly supported Madani school since 2013.

In 2018, PT TTI's donation consisted of:

- Providing milk and biscuits for 40 preschool (PAUD) kindergarten students, four times per week.
- Supporting the salary of three teachers.



**Kindergarten students at Madani School receive their weekly milk and biscuits**

Modern Islamic Education of Madani School (Madani) provides three classes in the village of Sindang Lengok, Parakan Salak:



1. Kindergarten
2. Junior High School
3. Informal Islamic Elementary School (afternoons only).

The school has 171 students and 22 teachers. In 2014, the school opened the junior high school program and also received government accreditation.



**Kindergarten students drawing and coloring**



## Nur Ikhlas School

***Duri, Indonesia***

**Project:** Providing new safe playground equipment and creating the foundation for the playground equipment at the kindergarten

**CDP involvement since:** 2014

**Project Description:**

*In 2018, PT TTI CDP replaced the broken playground and provided the new safe playground equipment. The program also funded the foundation for the playground equipment at Nur Ikhlas Kindergarten.*

Nur Ikhlas School is located about 8 km from Duri, and teaches kindergarten, informal Islamic elementary, and junior high classes to 175 students. The school is operated privately without regular support from the government. All students attend school free of charge.



*The new playground set at the Nur Ikhlas kindergarten*



*Nur Ikhlas kindergarten children playing in the new playground*



*Kindergarten children playing at the schoolgrounds with Ibu Puspa (PT TTI) and Bu Deti*



*Nur Ikhlas kindergarten children during recess playing in the new playground*



## Nur Ikhlas Maintenance Program

*Duri, Indonesia*

Project: Creating infrastructure for dental program

CDP Involvement Since: 2014

### Project Description:

*In order to support the school's dental program and promote a healthy lifestyle by washing hands and brushing teeth everyday, PT TTI's CDP provided the necessary infrastructure by installing a water connection, water tank and water tower.*



*Installing water connection and provided water tank and water tower for supporting dental*



*Children learning in the classroom at Nur Ikhlas Kindergarten Foundation*



*Water connection at Nur Ikhlas Foundation for kindergarten*



*Nur Ikhlas Kindergarten Foundation*



*Children and teachers at Nur Ikhlas Kindergarten Foundation with Ibu Puspa (TTI Office Manager)*



## PKK Balai Raja

**Balai Raja-Duri, Indonesia**

**Project: Donating cultivator machine and wheelbarrow (Farming Program)**

**CDP Involvement Since: 2015**

### Project Description:

*In 2018, PT TTI's CDP donated farming equipment such as a cultivator machine and four wheelbarrows to support more than 30 female farmers who planted long bean, corn, cassava, eggplant, and peanuts.*

*The group of women harvested twice this year (in July and November 2018), earning a total net income of 700 USD. This farming program has created new business opportunities for the women to provide for their family's needs. They receive additional income from the vegetables they sell, but they can also provide vegetables to their family for free, by using the vegetables from their farm. It is anticipated that the cultivator machine and wheelbarrows can improve and support the female farmers as part of the Women's Farming Program.*

PKK Balai Raja is the local community organization under Bengkalis Regency that supports and empowers women in the Balai Raja area. It is located near Nur Ikhlas School. PKK Balai Raja runs programs such as: healthcare, Islamic teaching, and life skills (including farming).



**Women in PKK Balai Raja farming group accept the donations from PT TTI (Ibu Puspa) for four wheelbarrows and one cultivator machine**



**Ibu Deti is the head of Koperasi PKK Balai Raja**



**Female farmer showing her long bean crops**



**Ibu Puspa (PT TTI) and Bu Deti (Head PKK Balai Raja) at Cassava farming**



## Remote Village Health Care Program

**Bulu Manis & Sebangar Village, Riau, Indonesia**

**Project:** Providing remote health care at Bulu Manis and Sebangar village

**CDP Involvement Since:** 2015

### Project Description:

In Indonesia, 45% of the population live in rural areas. The country has many local community health centers, which provide health care service to rural and remote villages. Despite this, villagers must travel to access the services at the health center.

To help treat these villagers, PT TTI's CDP sponsored remote health care events held at Bulu Manis and Sebangar Village, about 20 km from Duri. At each event, approximately 200 people of all ages were treated by health care practitioners.

In 2018, 4 events were held for a total of 800 villagers. PT TTI's donation included:

- Medical education and consultation
- Medical treatment and prescription
- Dental education and dental treatment



**PT TTI Staff (Aulia) and Sakti (CDP Coordinator) with Medical Team (Drg. Armen Team) at Bulu Manis Remote Healthcare**



**Villagers waiting for consultation and treatment**



**Ibu Puspa (PT TTI Office Manager) with Dr Syafni and Team at remote healthcare at Sebangar Village**



**Dr Syafni performing check-ups on the kids and giving prescriptions**





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