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Our mission

We believe in the power of those who want to make a change: local entrepreneurs and leaders with passion, dreams and ideas on how to improve their life and the lives of their communities.

Therefore, our goal is to promote, teach and implement sustainable technical solutions in developing countries which can be successfully adopted by local companies. By doing so we believe we help to enhance people’s quality of life and development.

To reach that goal, our engineers provide their knowledge to local organizations, NGO’s and entrepreneurs, ensuring their ideas get the necessary technical support.

For this reason all our projects are based on local request and include a business/social model behind them, so that long-term, sustainable impact is achieved and local ownership is ensured.
Board Message 1st Year

In this first year EWB NL Foundation is proud to be running 10 projects in different parts of the world, covering different engineering skills, together with almost 20 partners and over 80 active volunteers. We are set on pursuing our dream to improve the living standards of developing communities using our engineering skills, and will keep on doing so in 2017.

We see ourselves as enablers: we help to unlock the local potential in order to achieve sustainability for the long run. We know local ownership is the only way forward for the long term and we nurture it from first contact.

In 2017 we’ll continue driving these core values and will be focusing on the impact created within our current projects to further improvement!

Again all this has only been possible with the precious help of our donors, sponsors, partners and volunteers. We thank them and look forward to continuing our work together!
EWB NL Organization

Partners

EWB International

Supervisory Board

Senior Expert Group

Business Impact Team

EWB NL Board

Friends of EWB NL

Volunteers of EWB NL

EWB International

Supervisory Board

Senior Expert Group

Business Impact Team

EWB NL Board

Friends of EWB NL

Volunteers of EWB NL
EWB NL Organization

EWB NL Board

Petra Beris
Aleix Canet
Jasper Flapper
Samuel Ijsselmuiden
Mehmet Sinan Senel
Andreia Veiga
Maarten Vriezen
Wessel Wikkerink

Supervisory Board

Tjeerd Dierckxsens
Maurits Ertsen
Roel Tersteeg

Senior Expert Group

Piet Dijkshoorn
Joseph van Oudenhoven
Maarten Romijn
Lillian Rose
## Financial Report

### Revenue

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voluntary work</td>
<td>652.50</td>
</tr>
<tr>
<td>Donations</td>
<td>507.75</td>
</tr>
<tr>
<td>Donations (companies)</td>
<td>9,835.00</td>
</tr>
<tr>
<td>Extraordinary benefits</td>
<td>0.26</td>
</tr>
<tr>
<td><strong>Total revenue</strong></td>
<td><strong>10,995.51</strong></td>
</tr>
</tbody>
</table>

### Expenses

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rent office</td>
<td>919.10</td>
</tr>
<tr>
<td>Other office costs</td>
<td>50.00</td>
</tr>
<tr>
<td>Representation costs</td>
<td>189.38</td>
</tr>
<tr>
<td>Activities</td>
<td>47.51</td>
</tr>
<tr>
<td>Events Meet &amp; Greet</td>
<td>61.32</td>
</tr>
<tr>
<td>Banking costs and interests</td>
<td>134.62</td>
</tr>
<tr>
<td>Insurances</td>
<td>982.48</td>
</tr>
<tr>
<td><strong>Total costs</strong></td>
<td><strong>2,384.41</strong></td>
</tr>
</tbody>
</table>

### Revenue Sources

- Personal donations: 4.6%
- Voluntary work: 5.9%
- Company donations: 89.5%

### Expenses

- Rent Office: 38.5%
- Other Office Costs: 2.1%
- Representation Co.: 7.1%
- Activities: 2.0%
- Banking Costs and Drinks: 1.8%
- Insurances: 41.2%
Timeline

27 JAN 2016

**EWB NL Foundation is created!**
This group started as Ingenieurs zonder Grenzen (IZG) from the royal engineering association KIVI years back. At the end of 2016, we decided to go a step further to apply technology solutions to improve lives and empower people on the field, through engineering projects and local partners. The Foundation was born!

FEB 2016

**New website!**

**EWB NL Symposium - Technical Challenges in Disaster Response**
Focused on the technical limitations and challenges in areas after a disaster. Over a 100 people participated and joined interesting lectures from Medicins sans Frontiers, Cordaid, Argusi, Red Cross, TNO, TU Delft and Finch Buildings. All participated in a workshop where they were challenged to come up with smart solutions or enhancements for technical problems encountered during disaster response. A great day which resulted in new connections and conceptual input for the participating organisations.

**Socially Responsible Engineering: Our effort for Refugee Camps**
Students from The Hague University of Applied Sciences in cooperation with EWB NL and contribution of Vluchtelingenwerk Nederland, Red Cross and Stichting Vluchteling worked on smart solutions for Syrian refugee camps. They presented their work and creative solutions for housing, drinking water and urban farming concepts, also applicable to our ‘cities of the future’.
APR 2016

**Agroforestry**

Regreening Kenya, improving farm output through Agroforestry. Roeland Lelieveld took us through the origin and development of Africa Wood Grow. He explained why a urban landscape engineer would start a forestry company in Kenya, and how Africa Wood Grow helps restore the ecosystem and supports the local community.

May 2016

**EWB NL gets a new Home in Rotterdam!**

Finally we moved into our very own office where we can meet and work on our great projects together!

JUL 2016

**EWB NL Foundation gets awarded ANBI status**

The Dutch tax authorities recognized our focus in serving the public good and the standards we set for the Foundation. The ANBI status also allows our Dutch donors to claim a tax rebate for their donations.

**Launch of “EWB NL Friends” program**

This program is aimed at addressing the basic financials needed to run the Foundation and work on projects. [http://www.ewbnl.org/become-a-friend/](http://www.ewbnl.org/become-a-friend/)

AUG 2016

**Water Projects - Informative Session**

Water projects kick-off, presentations to potential volunteers and fruitful brainstorm
<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEP 2016</td>
<td>Bamboo day</td>
<td>Construction of a bamboo geodesic dome was the aim, World Bamboo Day the occasion, and Hofbogen Rooftop terrace in Rotterdam the place. We cut, drilled, connected and learned about bamboo design principles and about the potential of bamboo as a suitable, sustainable construction material.</td>
</tr>
<tr>
<td>OCT 2016</td>
<td>Launch of our blog section on our website</td>
<td>Sharing engineering stories from the field</td>
</tr>
<tr>
<td>ALL YEAR RND</td>
<td>Meet&amp;Drink Quarterly drinks</td>
<td>Follow our media channels for exact dates and locations!</td>
</tr>
<tr>
<td>AUG 2016</td>
<td>Fundraising with Kriterion Monrovia</td>
<td>This project will create an art house in Liberia, with opportunity part-time jobs for young college students, contributing to the financial independence of young men and women. After the Liberian Civil War, the country was left without a theater or art house cinema.</td>
</tr>
</tbody>
</table>
Our projects and impact: Year 1

- Over 500 people newly connected to electricity (thus opening new economic prospects)
- Zero safety incidents
- 8 projects running
- Over 80 active volunteers

- 6 informative workshops/symposia related to engineering within our projects and our impact
- Developed Leadership of our Engineers through their assigned projects
- Worked on Engagement & Community
- Empowered people, promoted and supported their ownership of the technical solutions they needed

Meet some of our projects

EOSOL Project in Madagascar

Engineers from EWB NL have travelled to the small fishing village of Andavadoaka to recover, provide training on maintenance and help expand a solar panel park created to provide electricity to the small village. Further to this, we created a financial model for the project and demonstrated that lowering the energy price would give more people access to the system, thus utilising more capacity and make it a better business. This resulted in 500 more people connected and opened various possibilities regarding food preservation and treatment of drinking water.
Schools of the future

Children in developing countries have limited access to good education. There is little room for technical education as local teachers have limited knowledge of technology. Technology brings development and should therefore be an important part of children's education. For Schools of the Future's first edition, we are collaborating with AVSI, an NGO in Mozambique. AVSI works in the field of education assistance, collaborating both with teachers and assistants in creating school activities, assisted homework and recreational and cultural activities. They are located both in Maputo and Pemba.

Togo Pico Hydro project

EWB NL Collaborates with the NGO Jeunes Volontaires pour l’Environnement (JVE) (headquartered in Lome) to give the Yikpa community access to sustainable energy. We are designing a hydro and solar power plant to give electrical power to their communities, which is a pilot project to demonstrate the feasibility of such off grid projects in Togo. Part of the project is to empower local entrepreneurship in the local sustainable energy business, thus expanding the impact of the project.
The Big Why of our projects
Petra Beris - Board Member, Projects & Partnerships

Why do we work on projects in developing countries?

I have been riding my scooter in Indonesia, hiking in Nepal, inspecting waterfalls for hydropower potential in Togo and I came across these places without basic facilities such as clean drinking water or electricity.

So are these “the sad and poor bottom of the pyramid” people we need to help? If I would call them poor I am pretty sure they would send me home!

All those amazing people I met were friendly, helpful and loved to share a meal with me!

What we do not see is their children getting sick because of the drinking water, the children that cannot go to school because they need to help their parents harvesting, and once they get sick they often die because of no access or money for a hospital. But these fantastic fighters have dreams and ideas on how to improve their lives and of the people in their community.

They just need a little help to realise their ambitions. And this is why I helped to set up our project organisation at EWB NL. I believe that by contributing with our time and skills as engineers, financial experts, sociologists, managers, teachers, communication specialists and other professions, we can enable them to take the extra step and realise real impact.
Health & Safety in our Projects
Maarten Vriezen - Board Member, HSE & Compliance

We take Health & Safety very seriously and we consider safe execution as a precondition to every project.

It is virtually impossible to reduce all risks to zero in most life situations and that includes our projects. This is why it is very important to identify the potential hazards, assess the associated risk and introduce mitigation measures to reduce that same risk to acceptable levels.

We run projects around the world, thus introducing specific challenges as safety awareness and risk perception of local partners and financial resources for safety measures.

Before the journey, we perform a risk assessment with the volunteer going on the field. The hazards we discuss are extensive and based on the country (e.g. transport, riots), project activities (e.g. electrocution, working at height), and other topics (e.g. heatstroke, poisonous animals, hygiene). For each of the identified hazards we define the preventive or mitigating measures which are already in place or are additionally required.

As a premise we do not execute activities that carry high risks to our volunteers, and we follow the recommendations on traveling from the Dutch Ministry of Foreign Affairs. Despite our efforts on identifying and evaluating the risks in advance, it is possible that a specific risk is overlooked. For that reason we focus also on the Last Minute Risk Assessment (LMRA), a technique that is widely used in the industry. In short, this method comes down to: before you do something take a step back and quickly evaluate what the risks are.

“In 2017 we’ll give more focus to the environmental aspect of H&S in our projects and to raise the Health & Safety awareness of the local communities as an integrated part of our projects.”
How we work

**Engineering Based**
All projects EWB engages in require an engineering base. This allows us to utilize our strengths and our skills to the best of our abilities. With our partners we will achieve healthy and sustainable results that can make a change.

**Locally Requested**
Any local entrepreneurs with an idea or a passion can request to partner with us. Together we determine the feasibility of a project and progress to the realization of a dream. The result shall be owned and operated by the requesting party.

**No Competition**
In the execution of our projects EWB is determined not to compete with existing engineering firms. Knowledge provided by or work performed by local companies is beneficial for local economic and social structures. If this is not present, EWB can help.

**Level 3 Aid**
At EWB we believe in local entrepreneurship. Level 3 aid implies investing in ventures that can boost local development.

**Sustainable**
Our projects adhere to the ‘FIETS’ criteria. For each project the Financial, Institutional, Environmental, Technological and Social elements are considered.

"If change isn’t systemic it isn’t change at all"

- GEORGE ROTER
How we work - Key design factors

**User Centered Design**
The starting point of all systems and solutions are the local users. What are their needs and wants? Together with the user we work on the challenging interface between their requirements and affordability of the design.

**Sustainable Design**
For sustainable design we work according to the FIETS criteria; to ensure long term Financial, Institutional, Environmental, Technological and Social Sustainability.

**Integrated Project Phases**
Our design cycle starts with an understanding of operation and maintenance in a local context, followed by the possibilities of local construction, all together leading to the starting points of design.

**Safe Design**
Not because we have to but because we want to. We feel responsible for the safety of all people working on our projects and that benefiting from it. We deliver safe designs and ensure a safe construction.

“If change isn’t systemic it isn’t change at all”

- GEORGE ROTER
How we work - Integrated Project Phases

Decisions taken during design determine construction, operation & maintenance

- **Design**: User Centered, Sense & Simplicity, Safety, Constructability, Local ownership of design
- **Construction**: Local availability of resources, Transport of parts, Import, taxes, Quality, Safe Construction, Training
- **Operation & Maintenance**: Who is going to operate this, Training, Spare parts, Online monitoring, Local workshops, Procedures
Financial sustainability
All projects EWB engages in require an engineering base. This allows us to utilize our strengths and our skills to the best of our abilities. With our partners we will achieve healthy and sustainable results that can make a change.

Institutional sustainability
Any local entrepreneurs with an idea or a passion can request to partner with us. Together we determine the feasibility of a project and progress to the realization of a dream. The result shall be owned and operated by the requesting party.

Technical sustainability
Our designs are often challenged to be extremely low maintenance with a long lifetime. Further they are based on sustainable concepts, inspired by the circular economy. Water, waste and energy consumption are minimized, where possible energy will be used from renewable resources.

Social sustainability
Our projects improve wellbeing in communities and are executed and owned by the local stakeholders. In this way local ownership is guaranteed and the project has positive social impact. To ensure social sustainability a Social Impact Assessment is part of projects. In the execution of our projects EWB is determined not to compete with existing engineering firms. Knowledge provided by or work performed by local companies is beneficial for local economic and social structures. If this is not present, EWB can help.

Environmental sustainability
We strive to a positive environmental impact and keep any negative impacts as low as possible or compensate for that. For example environmental impact assessments can be part of our project scope.
How we work - Sustainability

Our work at EWB NL aligns with the UN Sustainable Development Goals
Thank you!

EWB NL Foundation would like to thank all our partners, donors and volunteers. Without them, EWB NL Foundation would not be possible!

**Strategic partners:**
- S4S
- Spark
- EWB International
- TU Delft and Haagse School

**Local partners:**
- USAID
- EOSOL
- Kriterion
- Camaay
- JVE Togo
- AVSI
- Unesco IHE
- TU Eindhoven
- Bambu Social

**Donors:**

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