



Annual
Report
Humasol
2024-2025

Table of Contents

01	Who we are	3
02	Message from the Presidents	4
03	Our Vision and Mission	6
04	Financial Report	7
05	Achieved Goals	8
06	Humasol's Year	9
07	Projects	11
08	Sponsors	24





01 Who we are

Humasol is a non-profit organisation that envisions a future where renewable energy and sustainable technology are accessible to all. In collaboration with partners in Africa, Asia and South America, we carry out projects that benefit communities in the Global South. Our organisation consists of enthusiastic volunteers, mostly students, who are committed to international solidarity.

Contact us

Post

Desguinlei 214
2018 Antwerpen

Contact us

info@humasol.be

Connect with us

www.humasol.be
[@humasol_vzw](https://www.instagram.com/humasol)





Message from our former President

Dear Humasol enthusiast!

Welcome to our Annual Report. Humasol would not be the same without its amazing board and project students. Therefore, this report is in the first place to celebrate their achievements. Last year was another very successful year for our organization. We optimized our internal operations by setting up a clear structure for feedback within the board, and performed a thorough analysis of the status of former projects. This will hopefully first of all increase the long-term sustainability of future projects, but also form the basis for a better support of existing projects. The most important part of Humasol is of course the execution of our projects. With projects on sanitation, sustainable packaging, and hybrid solar dryers, amongst others, we have again explored new horizons.

This will also be the last time I am writing this preface of the Annual Report, as I am passing on the leadership to a new generation of talented individuals. When I joined Humasol 6 years ago, I could have never imagined all the great moments I would experience being part of our organization. So I look back with a lot of gratitude, but also proud for how we have shaped Humasol with a clear vision over the past years. Now it's up to this new generation, to write their story. I wish them all the best, and I am sure we will meet again in the future!



Message from our new President

Dear friends and stakeholders of Humasol,

We have an exciting summer ahead with a dozen of projects already underway, including countries in which we have never operated before such as Brazil.

At the heart of this is our continued commitment to building truly equal partnerships. In that spirit, we are thrilled to welcome a group of Senegalese students from UCAD and Vietnamese students from QNU to Belgium for a three week exchange this year. You will be able to follow their journey and learn all about it in our upcoming documentary!

Behind the scenes, the board has also been working closely together to strengthen our foundations and expand our reach. Just to name a few, we are coming to Antwerp next year, launching a postgraduate programme within the Technovation Hub at KU Leuven, and laying the groundwork for a structural collaboration with other challenge-based learning student organizations at UGent. None of this would be possible without our amazing volunteers!

More on this soon, and as always, thank you for being part of this journey!

Nhan Nguyen
President 2025-2026



We are shifting towards more challenging projects, from wastewater treatment, biogas formation and plastic recycling.

03

Our Vision

Our partner countries are rapidly evolving and we are convinced that we should evolve with them. For this reason, we aim to diversify our project portfolio by executing more projects that involve innovative technologies. Since the knowledge and know-how regarding certain sustainable technologies is often already present, we want to exchange our expertise where it is really valuable.

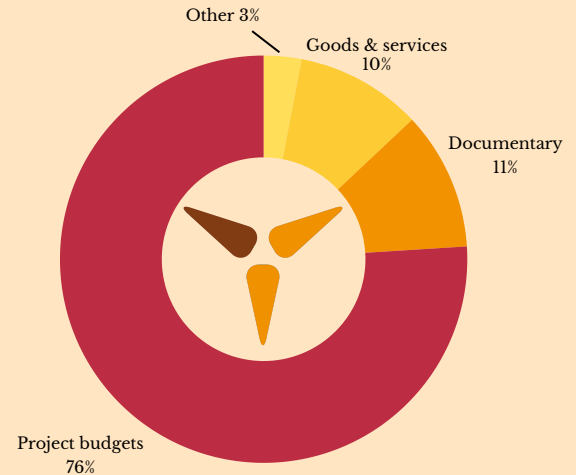
Our Mission

Our mission is to make renewable technology accessible for everyone. Each year, around twelve project teams undertake initiatives centered on sustainable technologies, including solar energy, water supply, plastic recycling, and agricultural optimization. Projects in the Global South are always carried out in close collaboration with partners on location. To ensure long-term sustainability, we focus on strong collaboration through knowledge exchange, enabling local communities to maintain, repair, and replicate installations. Our goal is to plant a seed that will grow and inspire further development in its surroundings.

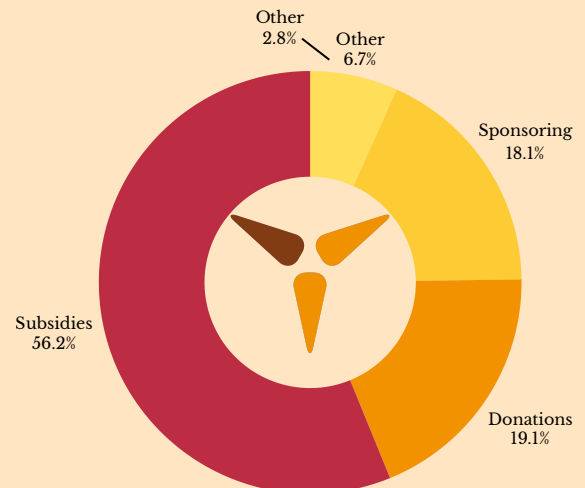
Constatations

- More than 75% of our expenses are allocated to our projects. While project costs are typically shared, with Humasol covering 30% and the partner 70%, this year, we contributed a larger share for certain projects.
- The majority of costs for catering, rental buildings and clothing are covered by our members (see Membership refunds).
- Sponsorship for students, up to a maximum of €300 per person, is available for those who cannot apply for a scholarship.
- Expenses are mainly covered by grants, sponsors, donations and fundraising.

EXPENDITURE



INCOME



1. Group coordinator role

After internal discussions, the responsibilities of group coordinators were better defined. Also, in the beginning of the year, a dedicated session was organized to prepare the group coordinators for their role.

2. Feedback

A new structure for giving feedback was decided both within working groups but also for personal feedback. Templates were developed to guide the conversation during these feedback sessions.

3. Documentary

A new documentary for which we secured funding will highlight all aspects of a Humasol project and be more aligned with our guidelines for language and imagery in the context of decolonization.

4. Budgets/international transactions

We spent a lot of time last year managing the budgets of the projects and making sure they aligned with the initial budget estimations. This paid off, as we were able to cover all projects expenses with subsidies or sponsoring.

5. Remote project

For the first time we initiated a fully remote project in the West Bank, Palestine. This had its own challenges when it came to developing a technical plan or contacting suppliers, but a first phase has been successfully executed.

6. Maintenance plan

An extensive new template was developed with specific sections for recurring technologies. This will allow us to improve the quality and consistency of maintenance plans in the future.

7. Recruiting

A renewed effort was made to recruit students from diverse backgrounds. The strong external interest in board positions shows that Humasol has gained traction beyond engineering fields.

8. Repair projects

An extensive survey was performed to get a better understanding of the current status of existing projects. Based on this survey, we will further explore the possibility of repair projects in the future.

September

Members Kick-Off

Welcoming all members of our organization! Together, we reflected on the achievements of the past year, set goals for the year ahead, and had knowledge transfer in the working groups. Last but not least, a team-building activity to strengthen our connections and spirit!

Students Kick-Off

Welcoming our new project students! They received an introduction to Humasol, teamwork in our organization, what is expected from them, deadlines, events etc. The highlight? Getting to know the team, exploring their projects, and making first contact with their partners. An exciting start to their journey!

December

Intermediate Reports and Presentations

All projects document their progress from the past months, including a literature study, multiple solutions, and calculations. This allows everyone to provide feedback and stay updated.

February

Humasol fun weekend

Another weekend, this time only fun activities so no work. Nice to see each other back and share experiences!

Job and internship fair

Several organisations and companies with a focus on sustainability were invited to our yearly job fair. A great opportunity for students to meet us and the other organisations!

October

Humasol Happening

A heartfelt gathering to share experiences, connect, and celebrate! Last year's project students recounted their inspiring adventures from the past summer, highlighting their achievements and challenges. Surrounded by partners, family, and friends, we raised our glasses and enjoyed delicious snacks and drinks.

November

Humasol weekend

In the beginning of November, our work weekend took place. On this weekend, project work is combined with various activities, info sessions on vaccines and communication, and brainstorming on integrity and decolonialism. Guest speaker Moussa Don Pandzou offered valuable insights on international solidarity and racism. We also enjoyed fun teambuildings, followed by a photoshoot.

Quiz Night in Ghent and Leuven

An exciting evening combining fundraising and raising awareness! A thrilling quiz where brilliant minds come together to compete and showcase their knowledge. All proceeds go to support our organization.

March

Information Session

An opportunity for new students to learn all about Humasol! A perfect first step into the world of impactful projects!

Agro-ecology event

In a world facing climate change, biodiversity loss, and increasing food insecurity, the way we produce food has never been more important. We hosted an event together with Broederlijk Delen and CIDSE. We invited the technical director of CNABio, a Food and Land Policy Officer at CIDSE and the General director of PCFruit who is also a professor at KU Leuven for a panel discussion.

May

Final reports & Presentations

Important deadlines for financial, social and technical reports are met, marking the final efforts in Belgium. After the last feedback, some adjustments are made and all teams received permission from the board to execute their projects!
An end-of-year IMC session focused on language use, imagery, cultural differences, and mental health was given.

East DR Congo lecture

During this event, we delved deeper into the hidden layers of the conflict in East-Congo. What are the social tensions, political interests and economic motives that continue to fuel this crisis? And above all: what is the impact on the people on the ground? Our guest speakers were Kristof Titeca from UAntwerpen, journalist Elien Spillebeen and TD Jack Muhindo Mahamba, a filmproducer from Congo.

August

Preparations & more

The board prepared for the new year, with roadmaps finalized to ensure a smooth transition for incoming members. The projects for next year are chosen.

The project students were still working on the project - we stayed in contact!

April

Recruitments

HR recruited the future Humasol students that will work on next year's projects!

June & July

Goodbye event

We enjoyed a great barbecue and even better company!

Project Students are on location!

Our project students are on-site, ready to turn their final report into reality. The board is standby, providing support and guidance. Let's make it happen!

September

Photography against occupation event

Horeya Doufesh and her daughter Nidaa, who live in Tel Rumeida, Hebron talked about life under occupation, women's resilience, and how art and photography can be powerful forms of resistance. The event was hosted by Broederlijk Delen, CIDSE, Humasol, Leuvense Coalitie voor Palestina, Intal Leuven en Palestina Solidariteit Herent.

07 Projects

7.1 TPSI

7.7 COCODE

7.2 Kiyodel

7.8 NUV-HOP

7.3 Sikiliza Leo

7.9 Green Malata

7.4 Chabwino

7.10 Zombo coffee

7.6 Apida

Project Locations



TPSI - Peru

We nervously started this project knowing it was going to be a difficult one. And indeed, our chocolate packaging project rarely followed a straight path. What started with neat sketches and careful plans quickly turned into a mix of surprises, some good, some frustrating. Deadlines shifted, locations changed and a few ideas that looked perfect on paper failed in practice. There were lucky breaks, too: sudden solutions that showed up just when we needed them most and results that came back even better than expected.

Through all the highs and lows, the steady part was the group itself and everyone supporting us. The professors at UNAS were there with steady guidance and patient advice, helping us see past the panic when things went sideways. And within our own group, we had each other's backs, trading ideas and jokes that kept the whole thing fun even when it got messy. By the end, the prototype felt less like a product and more like proof of the people who stood beside us the whole way.

Cara Callaerts, María Pérez Bravo, Manou Lysens, Nicolas Descamps



CITEagroindustrial

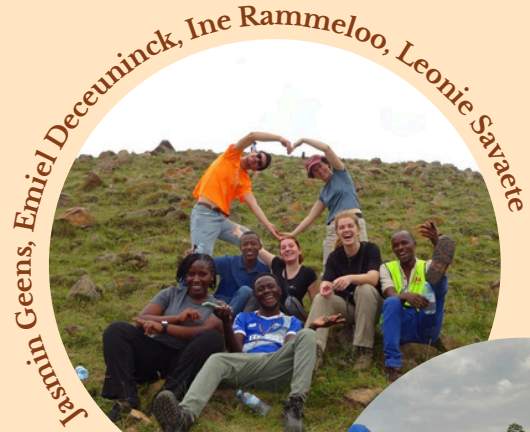
Vraem



Kiyodel - Uganda

At the beginning of February, misfortune struck as our project was canceled and a team member quit. Where many would have reacted with defeat and disappointment, Humasol showed how dynamic this student-led nonprofit is. In no time at all, the board contacted several new potential partners. Ine decided to be our guardian angel and join the team with full dedication. Within two weeks, we were presented with a wonderful project: Kiyodel. From our first meeting, Cynthia and Caroline (the local partner) sparked our enthusiasm so powerfully that we decided to fully go for it. A few intense months later, we were ready to set off to Uganda!

During the project, a fully off-grid solar energy system was designed and installed to provide a skilling center with a sustainable and reliable electricity supply. The entire system, from concept to implementation, was developed entirely from scratch. In addition to the solar panel installation itself, we also designed and implemented the building's entire electrical infrastructure. This included designing the various electrical circuits, installing a full conduit piping system, and laying all the cabling throughout the school. The installation provides the school with sufficient energy to meet its daily electricity needs.



7.2

Kiyodel - Uganda

Upon arrival, we instantly fell in love with the country and especially with the fresh fruit and chapati! We made a long drive to the west, ready to experience the two months of our lives. On the way, four students from MUST, the university in the nearest town who carried out the project with us, joined on our way to Kiyodel. For two months, we shared joys and sorrows. The two months were characterised by pure happiness and freedom. For two months, we not only learned a lot on a technical level, we also got to know each other inside and out. Uganda, Kiyodel and the MUST students: you will forever be in our hearts! Thanks to everyone who made this possible, we are incredibly grateful. Big hug, Ine Jasmin Leonie and Emiel.

Succeed we MUST and succeed we did!



Sikiliza Leo - Uganda

After our preparation throughout the year, we left at the end of June to Uganda. We travelled there to build 30 toilets for families who take care of OVC's, orphans and vulnerable children. Several families were visited to present our plans and meet their demands concerning the project. With this in our mind, we adapted the plans and were ready to start building. With the help of different craftsmen we were able to finish 30 composting toilets in a range of 7 kilometres. Furthermore we built a composting place close to the school of Sikiliza Leo in Pochowa. The buckets from the toilets are collected from the families using a tuktuk, bought by the organisation. The rest of the week, the tuktuk is used to generate money to keep the project going.

We are very grateful to have been able to go on this project with Sikiliza Leo. We met a lot of enthusiastic people, in and out of the organisation.

“We get your shit together!”

Stan Goethals, Lander Demuyneck, Emma Vandaele



Chabwino - Malawi

Our project in Malawi focused on designing and installing a solar-powered water pumping system for the nursery school and surrounding community. With five solar panels powering a deep borehole pump, the system delivers water into a 10 m³ elevated tank and distributes it to the school and fields. After weeks of construction, negotiations, and problem-solving, we were proud to see the first water flow from the taps.

Beyond the technical challenges, the collaboration with Chabwino NGO and local community members gave us a deeper understanding of the social and cultural aspects of sustainable engineering. We leave behind not only a functioning installation but also a motivated team of local coordinators responsible for follow-up and maintenance.

"Sustainable impact is not just about building systems, but about empowering people to maintain them."



7.5

Apida - Kenya



In the summer of 2025, we went to Kenya with a clear plan: to complete a solar system for the Apida Community Hospital. From the very first moments, we felt incredibly welcome. Together, we installed 45 solar panels on the roof, pulled cables all the way to the power room, and dug a trench to the front of the hospital. Inside the power room, we connected what felt like a million cables between the battery system, inverters, and MPPTs.

Not everything went as planned, but we always found solutions. With great teamwork, alongside the Apida community and the Solar Store team, we made it all work. This truly was an amazing experience, and we will never forget the kindness of the people we met along the way.

It was a summer filled with "no worries, just making stories"

COCODE - Guatemala

Buena Vista is a small village near the town of Cabricán, in the south-west of Guatemala. It was a place we had long known we would travel to, yet one we could barely imagine: we did not know what it looked like, who lived there, or what daily life was like. What was clear, however, was our purpose. For almost a year, we worked on the design of a sustainable water distribution system. Through extensive contact with our local partner Norberto, it became clear that the challenges were layered and complex, requiring careful choices. Together, we decided to keep the existing electric pumps, but to connect them to a new electrical cabinet powered by a large solar panel installation. We believed the resulting energy savings could open doors for the future. In addition, we agreed to include water purification using two chlorine filters. With this plan in mind, we finally left for Guatemala at the end of June, ready to turn preparation into practice.



7.7

COCODE - Guatemala

From the moment we arrived in Buena Vista, it was clear that we had entered a close-knit community. We quickly got to know the familiar faces of the village and met many inspiring people along the way. When work on the project began, we were surprised by the overwhelming support we received from all sides.

Building the solar panel structure on the hilly terrain was difficult, but it stood there sooner than we had hoped. Installing and connecting the system did not go smoothly, and there were moments of doubt and frustration. Yet when everything finally worked, the shared joy with our friends in Buena Vista was immense. That moment marked the beginning of celebrations, but also of farewells to people we had grown deeply attached to.

“What stayed with us most was not what we built, but the people we built it with.”



NUV-HOP - Uganda

After a year of thorough preparation, we had the opportunity to travel to Northern Uganda through Humasol to work on a sustainable project at Gulu Regional Referral Hospital. Together with a dedicated and multidisciplinary team, we installed a solar-powered water system and a PV-powered vaccine refrigerator, addressing two critical needs: reliable access to clean water and safe, uninterrupted vaccine storage. These sustainable solutions contribute to improved hygiene standards, stronger immunization programs, and better protection of maternal and infant health. Throughout the project, we worked closely with the technical staff of the hospital, whose expertise, creativity, and hands-on experience were truly inspiring. Learning from them and exchanging ideas turned the project into a genuine partnership and greatly enriched both the technical outcome and our personal experience. Seeing the system operate successfully for the first time, after months of preparation and teamwork, was an unforgettable moment.

Beyond the technical achievements, this project was about collaboration, mutual learning, and building sustainable solutions together. Working side by side with the hospital engineers highlighted the value of shared expertise and reinforced the importance of context-driven design in global health projects.



Jasper Arnoes, Lisa Gillebert, Florence Wellens, Matias Cumps



Elise Chambard, Mats Laurysen, Sander De Jong

Green Malata - Malawi

In the summer of 2025, we spent two amazing months at Green Malata in Malawi, where we built a small wind turbine from the ground up. We dug holes, poured concrete, welded a steel tower, built our own generator, and connected everything to the local grid. In the last weeks, we still had some budget left, so we decided to add 2.7 kW of solar panels to boost Green Malata's energy supply. Seeing the whole system finally up and running after weeks of hard work was incredibly rewarding.

We worked closely with the people at Green Malata, especially Mphatso, Mister Elias, and Blessings, who we collaborated with to plan things day by day. The students from Solar Energy, Carpentry, and Welding were amazing to work with – they joined us for almost every step, from wiring the generator to welding the massive tower. Even though we sometimes had to deal with power cuts, missing materials, or long trips to Blantyre to find parts, we always found a way to make it work. It was a tough but really fun experience, and we left feeling proud of what we built and the friendships we made along the way.

“The most renewable resource in Malawi? The kindness of the people we met.”



7.10

Zombo Coffee - Uganda

We did a project in the Ugandan West-Nile with Zombo Coffee Partners, a small company that buys fresh coffee at fair prices from farmers, then processes and packages it for sale in Uganda and abroad. We designed a hybrid solar dryer (that is: solar heat, mechanical ventilation) and installed it during the summer with the help of the boys at the Jukia Park microstation.

We learned a lot, on so many levels: culturally and socially, but also technically, some of us culinarily, ... And we met some amazing people, whom we hope to stay in touch with for a long time!

Bas De Bue, Dries Dirckx, Olivia Mariens, Lise Vos



08 Golden Sponsors



08

Silver and Bronze Sponsors

SCHILDE
SCHILDE

AS ENEDE

Rotary
Gent



Kasterlee
Goed voor elkaar.

Boechout
doop om te ontmoeten



INGEL
MUNSTER



Sint-Niklaas
Staden
Gedreven vooruit

Schoten

bilzen

Lyceum IEPER



herent

RANST

VREDESSTAD
IEPER



Lier

lijle

Support us

BECOME A
SPONSOR OR
MAKE A ONE-
TIME
DONATION
TODAY

BE35 7330 5585 3337

CONTRIBUTE YOUR
PART TO A
SUSTAINABLE
WORLD.

Thanks to all our members, volunteers, students, partners, and sponsors for their collaborative efforts towards making renewable technology accessible to all.



