



# Technology without Borders



## Newsletter IV 2025

Dear members, dear friends and supporters of Technology without Borders,

today's newsletter once again contains some very interesting project reports. Project teams from our regional groups in Amberg, Erlangen, Rhine/Main, Ho and Sunyani worked on projects in Ghana, Cameroon and Tanzania. Exciting reports and always good ideas for further projects – take a look!

The story of Stephen Takyi is particularly interesting. He came to Hamburg via Lampedusa in 2011, put down roots there and started a family. Based on his positive experience in Germany, he has been giving back to his homeland for several years now. With his association African Future Kids e. V., he built and runs a kindergarten in Drobo, Ghana, his hometown. Our regional group from Amberg has now equipped this kindergarten with a solar power system and also upgraded the existing electrical system. This story inspires us to continue working together to improve living conditions in a wide variety of countries around the world. And in times of increasing egocentricity among the world's major powers, this is more important than ever.

In our last newsletter, we announced our 2025 tree planting campaign. Unfortunately, we had to cancel it, as Jana Landel had already communicated within the association. We are well prepared and are therefore simply postponing the campaign until next year. We will provide further information in good time.

The strategy meeting that was also announced took place as planned. The Executive Board met in Erlangen and, with focused work and some fun, achieved good results and identified key tasks for the coming year. We had already provided information about this internally within the association. You can find a brief insight into the strategy meeting [here](#).

One task has already been implemented under the direction of Daniel Schaffert: our Sharepoint has been reorganised, making our knowledge pool clearer and easier to use. The ongoing project work remains unchanged in terms of structure. Even though the system is largely self-explanatory, Daniel will provide further information on this.

The entire board of Technology without Borders wishes you all a successful and happy end to 2025 and a wonderful, peaceful Christmas season!  
Stay healthy, courageous and inspired for the new year!

Robert Schullan

Best greetings from the entire Board

|                   |                    |                   |               |
|-------------------|--------------------|-------------------|---------------|
| Robert Schullan   | Markus Reinhard    | Jannik Mechau     | Felix Schofer |
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## Completed Projects

### Solar-Powered Kindergarten in Drobo, Ghana



Without electricity, technology remains just theory. With solar energy, it becomes reality - opening doors for the children of the African Future Kids Academy in Drobo, Ghana. For a school in Germany, electricity is a given. Without it, there would be no lights, no computer labs, no printed learning materials, no machines in workshops, and no proper kitchen. But for the

African Future Kids, this is everyday life. The kindergarten, which includes an elementary school and occasional evening classes for adults, is located in Drobo near Sunyani. Under the leadership of Stephen Takyi, a TwB member, the African Future Kids e. V. association has created a place of learning and development for more than 100 children - a place that continues to grow. For these children, it's a space for education, community, and opportunity. They learn English, Twi, math, and even basic technology and computer skills - though until now, only in theory. To make this and other aspects of school life truly effective, ...

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### Expansion of the TCB project in Ghana – IT equipment and maintenance



The TCB working group of the Erlangen regional chapter continued its efforts in Ghana to improve sustainable access to IT education. Following the successful project in Sunyani in 2024, this year's goal was to equip another school with laptops, train teachers, and evaluate previous projects in Agona Abodom. Additionally, we aimed to strengthen the local TwB group and enable them to carry out projects independently in the future. Our arrival in Accra was warm and welcoming: Beatrice and her sisters greeted us with open arms before we traveled on to Agona Abodom. There, we finally met Derrick in person—a special moment after so many online meetings. During a gathering with teachers and principals from previous projects, we received valuable feedback and discussed new ideas. Oliver from Erlangen joined digitally and presented his project concept for next year. Beyond the technical discussions, ...

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## Solar-roof for dining area at Trinity Academy, Tanzania, Boma Ng'ombe



The Trinity Academy in Boma N'gombe is a private pre-school and primary school with 240 pupils. 25% of these are orphans who are supported by a special support programme run by the school together with international partners and attend the school's boarding school. Technik ohne Grenzen e.V. has been in contact with the school for several years, including a tree planting campaign and the construction of a new building for the sustainable operation of the kindergarten in several project phases. Trinity is endeavouring to operate sustainably overall; for example, there is a school farm that provides food for the school, the first small solar panels and approaches to using rainwater. TwB is currently supporting these approaches in projects on agroforestry, rainwater harvesting and biogas utilisation. This project is a further building block in the sustainable management of the school and the associated boarding school ...

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## Rainwater collection and irrigation system for school garden, Tanzania, Hai District



Trinity is a private Pre & Primary English Medium School with 240 students. 25% of them are orphans. Trinity strives to operate sustainably: to provide a sustainable and healthy nutrition for the children, a variety of vegetables and fruits are grown at the school garden. Due to climate change there have been frequent crop failures in recent years due to drought. The aim of the project is to ensure irrigation by installing rainwater capture from the roofs with water storage tank and reduce the usage of drinking water for cleaning purposes. If the field (1.6 sqm) can be irrigated, three harvests per year with vegetables are possible.

Task 1: Installing gutters on the roofs of the first two buildings. The other six buildings will follow in separate projects ( part B-F)

Task 2: Installing water storage tank ...

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## Biogas for school kitchen, Tanzania, Boma Ng'ombe



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## WASH project at Adaklu District, Volta Region



The Technology without Borders (TwB) regional group Ho embarked on a Water, Sanitation, and Hygiene (WASH) project on September 16–17, 2025, in the Adaklu District of the Ho Municipality, Volta Region, Ghana. The project was implemented in three basic schools and in the Wayanu community. The initiative aimed at promoting hygiene practices, improving sanitation, and reducing the risk of preventable diseases among schoolchildren and rural dwellers. The specific objectives of the WASH project were to educate school children and community members on proper handwashing and sanitation practices, demonstrate correct handwashing techniques and encourage active participation, donate hygiene and cleaning materials to schools to support sustainable sanitation practices and engage community leadership in promoting toilet hygiene to prevent outbreaks of cholera and other waterborne diseases. The team visited Dave S/A, Wumenu S/A, and Wayanu S/A Basic Schools ...

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## Borehole repairs and regenerations in Bowire, Oti Region



The regional group (RG) Ho, in collaboration with RG Sunyani, carried out a borehole repair and regeneration project at Bowire in the Oti Region of Ghana, a farming community located between Hohoe and Jasikan. For several years, the people of Bowire faced severe water challenges after all their boreholes broke down. As a result, community members, including school children, were forced to fetch water from distant streams before going to school. This situation not only affected school attendance but also made it difficult for the community to maintain hygienic practices, especially in schools and households. The community of approximately 1000 people has been struggling with this issue. The RG Sunyani team first conducted a pre-exploration assessment after the issue was brought to their attention. Following their findings, they collaborated with RG Ho to carry out the borehole repair and regeneration exercise. In total, four boreholes were successfully repaired and ...

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## Current Projects

### Bayangam Summer Camp



The regional group in Bayangam is active at the kindergarten, elementary school and technical high school in Bayangam. Last year, the RG carried out several activities at these schools, for example the renovation of the kindergarten and the optimization of



waste collection at the technical high school.

To further increase awareness and attract new members, the RG is planning a summer camp for children of different age groups at schools in Bayangam. The planned activities for the children include a workshop on sustainable agriculture, a painting workshop for the youngest children, a soccer tournament, a workshop on improving agribusiness and an IT workshop for young female farmers. There are also plans to continue the renovation work in the kindergarten. A local farmer who practises sustainable agriculture will help with the agricultural workshops and work with the regional group in the long term.

[more](#)

## Newsflash

### A kindergarten in Drobo – The story of Stephen Takyi

I came to Hamburg via Lampedusa and found work there in 2011. After some time, I got married in Germany and started a family. My two children attended kindergarten, and I was deeply impressed by the supportive environment in which they grew up. This experience inspired me to develop a similar 'model' for a kindergarten in my hometown of Drobo. I founded the African Future Kids e. V. association to collect donations, and with these contributions and a lot of personal commitment, I set up the kindergarten there. Today, the children are thriving in our kindergarten and primary school. They learn in a safe and supportive environment, receive daily meals and are looked after by dedicated teachers. However, maintaining this standard requires continuous financial support. Every month, we have to cover our teachers' salaries and the cost of feeding the children – both of which are essential to keep the school running and ensure the well-being of each and every child.

*Stephen Takyi*

### Postponed is not abandoned – update on the tree planting campaign by RG Erlangen

Unfortunately, we have to postpone the planned tree planting campaign by one year.



Due to excessively wet ground, the forestry commission was unable to complete the preparatory work in the forest in time. Nature is unpredictable, so we hope that conditions will be better next year. We apologise to everyone who had already registered, and hope that you will still be interested and available next year! There will likely be further updates on the preparations in the forest via the TwB newsletter and website, so you can follow the planning until then.

*Jana Landel, RG Erlangen*

### **TwB at the Erlangen Christmas market**

TwB is back at the Christmas Market in Erlangen!

On 18 December, we at TwB will once again have the pleasure of welcoming you to our volunteer stand at the Christmas Market in Erlangen. There will be small gifts from the countries where we work, homemade cookies and, of course, stories from our projects. We would be delighted to see you there! See you on 18 December at Schlossplatz! :)

*Leonie Richter, RG Erlangen*

We hope you enjoy reading it!

To stay up to date, please also visit us on [Instagram](#) or [LinkedIn](#) or have a look at our [website](#).

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