



**TWENDE**



# 2020 **TWENDE** IMPACT REPORT

WE EMPOWER PEOPLE TO DESIGN AND MAKE THEIR OWN TECHNOLOGIES TO SOLVE COMMUNITY CHALLENGES.

# ***THE MISSION***

***TO EMPOWER  
PEOPLE TO DESIGN  
AND MAKE THEIR OWN  
TECHNOLOGIES TO  
SOLVE THEIR OWN  
PROBLEMS***





## ABOUT TWENDE

**T**wende, as a non-governmental organization, deals with the innovation of technologies to solve community challenges.

We welcome anyone with an idea to come in and use the Twende makerspace, connect with our Twende team to receive technical advice for projects, and join us by putting community ideas into reality. We work with anyone; people who come to us for the first time from their community with an idea, to people whose ideas have been generated by a Twende program in the past or by themselves.

Twende programs are based in Tanzania and cover multiple different regions. Some of the regions where we work include Mbeya, Songea, Mwanza, Dodoma, and Arusha. The countless more districts within these regions, such as the Monduli, Karatu, Arumeru, and Arusha city districts, where we have implemented Twende programs. We seek out people who are receptive to training, which we target towards empowering participants to find their own solutions to their own problems. Everyone is welcome at Twende, and we tend to target students, small entrepreneurs, youths, and adult community members with our programs.

**“WE HAVE BETTER DEFINED OUR PURPOSE AND THE PATH TO ‘LOCAL TECHNOLOGICAL SOLUTIONS FOR LOCAL CHALLENGES’ IS CLEARER THAN EVER.”**

**- JOHN NZIRA, EXECUTIVE DIRECTOR**



**JOHN NZIRA**  
**EXECUTIVE DIRECTOR**

**“The year 2020 has proved that despite all the challenges we are facing as a community, there is hope, and that innovation is unstoppable.** Our workshop became busier than ever because we opened doors to more innovative ideas not only to combat COVID-19 but also to innovate more life-improving technologies. We have even gone beyond the walls of our makerspace (karakana) where we reached and touched the lives of people in rural Tanzania as well.

This budget year has been so fruitful that we have piloted the long-awaited Tech Incubation Program where we have started developing three prototypes into successful and saleable products.

In this pilot, the three technologies are undergoing prototyping and testing where the champions are teamed with young passionate professionals who'll work together to bridge the technology gap and eventually build a final product.

All these achievements and milestones in this report have been made possible through the collaboration we have had with the communities, innovators, the amazing Twende team, the board of directors, partners, and our funders.

I am confident that we have better defined our purpose and the path to 'more local technological solutions to local challenges' is clearer than ever.”

## OTHER TWENDE STAFF



**CHRIS MUSHI**  
CREATIVITY TRAINER



**EPIFANIA WILBARD**  
PROGRAMS MANAGER



**VITTO TAIRO**  
FINANCE &  
ADMINISTRATION



**ELIZABETH PIUS**  
WORKSHOP MANAGER

## SPECIAL THANKS TO THE TWENDE INTERNS AND VOLUNTEERS

### INTERNS

**Denis Ahadi** *Marketing and Communications*  
**Anita Baitwa** *Finance and Admin*  
**Salome Malunde** *Training*  
**Emmanuel Msoka** *Marketing & Communication*

### VOLUNTEERS

**Aliasger Essajee** *Programs*  
**Lisa Goodrich** *Impact Report*  
**Leora Copeland** *Case Study writing*  
**Michele LoRusso** *Website*  
**Mohammed Costa** *Website*

## OUR CORE VALUES



### INTEGRITY

We believe in doing  
the right thing in all  
circumstances.



### EXCELLENCE

We strive for excell-  
ence in whatever we  
do and pursue growth  
and learning.



### CREATIVITY

We believe everyone  
is creative enough to  
do more with less.



### CO-CREATION

We trust and use the design  
process through-out all our  
work, listening to feedback  
to co-create solutions with  
the community.



**MANAGING DIRECTOR**  
**SENDA SUCCESS,**  
HAWA KIPILILI

**“Twende has helped us to enhance our programs and expand our network by giving us a platform and space to create more educative and fun holiday programs for our students.** The only makerspace in Arusha that is well equipped, resourceful and where kids can feel safe while working on their projects and learning different skills. The Twende team is fun, helpful, and knowledgeable, they have made the students feel safe and have made the whole learning experience exciting for the students, making them excited to come back for more skills. With what Twende does, we are going to have a community of innovators and problem solvers. Our partnership has become stronger since the parents and the kids have found the Build-It workshops effective and worth their time.”

## OVERVIEW

**T**wende is a Social Innovation Centre operating in Arusha, Tanzania which teaches and supports local innovators to solve problems in their communities by designing and developing targeted social innovations.

Twende both encourages potential innovators and supports experienced innovators to create a nation of problem-solvers, working with approximately 40 students and innovators per month. Twende runs outreach workshops to inspire future innovators to create problem-solving products and teach them the practical skills that they need to develop prototypes.

Additionally, Twende offers funding of resources and technical mentoring to local innovators so that they can develop their ideas into products for their communities. Through this work, Twende aims to provide local communities with technology that is targeted, useful and affordable.



We also aim to instill an innovative mindset to student from primary school all the way to universities, through different customized program that are carried out in our workshop or sometimes at targeted student schools, we hope to create a future generation of innovators.

We welcome students, small entrepreneurs, youths etc. and sometimes even adult community members.

**“TWENDE IS A PLACE WHERE CREATIVITY BECOMES A REALITY.”**

**- BERNARD DENNIS (BARAA SECONDARY SCHOOL)**

# ***OUR VISION***

***MORE LOCAL TECHNOLOGICAL  
SOLUTIONS TO LOCAL CHALLENGES***



# PROGRAMS

**“WITH WHAT TWENDE DOES, WE ARE GOING TO HAVE COMMUNITY INNOVATORS AND PROBLEM SOLVERS.”**

**—HAWA KIPILILI**

## CREATIVE CAPACITY BUILDING (CCB) WORKSHOPS

| EVENT DATES |            | PARTNER ORGANIZATION | TOTAL | PARTICIPANTS |    |       | PROTOTYPES MADE  |
|-------------|------------|----------------------|-------|--------------|----|-------|--|
| START       | END        |                      |       | F            | M  | AGE   |  |
| 15/6/2020   | 19/6/2020  | VARIOUS YOUTHS       | 28    | 20           | 8  | YOUTH | Trash separator<br>Roasted peanut thresher.<br>Car tyre support machine<br>Smart car jack      |
| 22/6/2020   | 26/6/2020  | AGA KHAN CENTER      | 23    | 14           | 9  | OLDER | Maize shelling machine<br>Winnower<br>Liquid soap mixer<br>Maize planter<br>Chicken feed mixer |
| 6/7/2020    | 10/7/2020  | EKENYWA VILLAGE      | 19    | 0            | 19 | YOUTH | Manual soap mixer<br>Local bakery<br>Charcoal Briquette Moulder                                |
| 28/9/2020   | 02/10/2020 | KATESH COMMUNITY     | 22    | 6            | 16 | YOUTH | Cowpeas thresher<br>Egg Incubator<br>Dumpling Steamer  |
| 17/1/2021   | 22/1/2021  | FUES F FOUNDATION    | 23    | 9            | 14 | YOUTH | Wax Mixer<br>Potatoes Peeler and cutter<br>Bedbug Killer<br>Feather Plucker                    |
| 8/2/2021    | 12/2/2021  | OKOA NEW GENERATION  | 20    | 6            | 14 | YOUTH | Vegetables drier<br>Seed planter<br>Maize thresher<br>Coffee peeler                            |

**The Creative Capacity Building Workshop, adapted from MIT,** is Twende's flagship workshop. Over a five-day period, participants are introduced to the build-test-iterate design cycle and develop their practical skills through design challenges and the opportunity to build existing technologies with hand tools. Participants then immediately utilize these skills to identify real-life problems, brainstorm solutions, and design and build a prototype with advice and mentoring from their Twende trainer.

We have been able to run 6 workshops with various communities in Arusha, Manyara and Kilimanjaro regions. We were able to work with 135 participants in this program in which 55 were females and 80 males. The 23 technologies made have covered a wider range of sectors.



## BUILD-IT WORKSHOPS

**The Build It Workshop is an educational workshop teaching practical skills to students by guiding them to build a specific product with locally sourced materials.**

This hands-on workshop allows students to apply scientific concepts that they have learnt in school to develop a better understanding of design and manufacturing while encouraging creativity and problem-solving. The program encourages students to pursue further education in STEM and to innovate for their local communities by bridging the gap between theory and application.

We normally solicit participants for this workshop through outreach programs in schools where we do a Light Emitting Diode (LED) introduction or simply explaining what we do and invite them to our makerspace or organize a workshop with them.

This time we worked with not only schools but also different organizations we partnered with for soliciting participants and the results were amazing. The schools include Naura, Baraa, El Shammah and Njiro Secondary Schools whereas the organizations include, Huruma Orphanage, Faraja Women’s center and Dorcas Arusha Center as seen in the table below.

| EVENT DATES |            | PARTNER ORGANIZATION        | TOTAL | PARTICIPANTS |    |       | DEVICES MADE           |
|-------------|------------|-----------------------------|-------|--------------|----|-------|------------------------|
| START       | END        |                             |       | F            | M  | AGE   |                        |
| 7/3/2020    | 7/3/2020   | NJIRO SECONDARY SCHOOL      | 23    | 7            | 16 | YOUTH | Rubber Mopper/Squeezer |
| 13/6/2020   | 13/6/2020  | FARAJA WOMEN'S CENTER       | 22    | 22           | 0  | YOUTH | Rubber Mopper/Squeezer |
| 27/7/2020   | 27/7/2020  | HURUMA ORPHANAGE            | 20    | 12           | 8  | YOUTH | Rubber Mopper/Squeezer |
| 15/8/2020   | 15/8/2020  | DORCAS CENTER               | 25    | 11           | 14 | YOUTH | Bottle Opener          |
| 7/12/2020   | 18/12/2020 | SENDA SUCCESS               | 20    | 9            | 11 | YOUTH | Blackboard duster      |
|             |            |                             |       |              |    |       | Rubber squeezer        |
|             |            |                             |       |              |    |       | Flashlight             |
|             |            |                             |       |              |    |       | Phone charger          |
| 13/2/2021   | 13/2/2021  | EL SHAMMAH SECONDARY SCHOOL | 22    | 10           | 12 | YOUTH | Rubber Mopper/Squeezer |
| 20/2/2021   | 20/2/2021  | NJIRO SECONDARY SCHOOL      | 20    | 10           | 10 | YOUTH | Blackboard duster      |
| 27/2/2021   | 27/2/2021  | BARAA SECONDARY SCHOOL      | 20    | 8            | 12 | YOUTH | Blackboard duster      |



## OUTREACH PROGRAMS

Under this program we introduce ourselves to primary and secondary students so they understand what we do, how we do it and what kind of support they can get from Twende concerning Implementation of an innovative idea to solve a community challenge. Also, they usually do a small electronic activity which is related to their class subject (Physics) so those who have never done it get chance to do it and those who have already done it in class get to do a useful revision.

Our outreach programs were affected by COVID-19 since for a long period of time, schools were closed and once they opened, they were occupied with covering for the period they were absent. The summary is as seen in the table.

| EVENT DATES | PARTNER ORGANIZATION | TOTAL | PARTICIPANTS |    |       | DEVICES MADE |
|-------------|----------------------|-------|--------------|----|-------|--------------|
|             |                      |       | F            | M  | AGE   |              |
| 10/6/2020   | NAURA SECONDARY      | 20    | 7            | 30 | YOUTH | Circuit      |
| 21/1/2021   | NAURA SECONDARY      | 38    | 18           | 20 | YOUTH | Circuit      |
| 4/02/2021   | BARAA SEC            | 20    | 10           | 10 | YOUTH | Circuit      |
| 5/02/2021   | EL SHAMMAH SEC       | 22    | 11           | 11 | YOUTH | Circuit      |
| 18/2/2021   | KIMANDOLU SEC        | 19    | 8            | 11 | YOUTH | Circuit      |
| 10/3/2021   | MKONOO SEC           | 35    | 14           | 21 | YOUTH | Circuit      |
| 13/3/2021   | SUYE SEC             | 51    | 23           | 28 | YOUTH | Circuit      |



## JAMII TECHNOLOGY PROGRAM

**The Jamii Technology Program is a design program bringing together teams of Tanzanian community partners, young Tanzanians and international design and engineering students. Teams collaborate to design and develop solutions to problems identified by the community partners.** The program builds confidence and competence both in the design process and in creative problem solving as well as encouraging local production and cross-cultural collaboration.

This year, we took a different approach in this program in which we invited students from the Arusha Technical College (ATC) to team up with the local communities since it was a challenge to host international students due to travel restrictions in most countries.

The team of 12 students worked with the community of 12 members from the Summit Center Community and together, they developed 4 new technologies which include:

- **GRASS CUTTER**
- **SUGARCANE JUICE EXTRACTOR**
- **MILK SEPARATOR**
- **COCONUT BLENDER**

The technologies made have been useful to the teams since the milk separator already has a potential customer willing to test and help with its development.

The sugarcane juice extractor has been well received by the community since it is affordable and easy to use. The first testing has been done and therefore ready for use and can be improved as time goes on.

The coconut blender has proved to be useful especially in the making of the coconut oil extractor which is currently being incubated.



## TECHNICAL MENTORSHIP AND ADVICE

**In addition to our workshops, Twende offers support to local innovators who approach us with ideas for life-improving products.** We offer workspace and resources, technical mentoring and advice so that innovators can develop prototypes and eventually build their product.

Our technical team has been working with individual walk-ins as advisors and mentors and some of the technologies that have emerged in this program include:

- **THE BLACK TURTLE BEAN THRESHER**  
*Nelson Mandela Institute students*
- **ALUMINIUM CAN SHAPER USED AS CANDLE HOLDERS**  
*Africraft*
- **BUILT-IN TIPPY TAP**  
*Godliving Ringo*

## TECH INCUBATION PROGRAM

**The incubation program is Twende's most recent initiative to support local technology (hardware) innovators who need support in developing their first and second prototypes.**

Most innovators have found it difficult to advance their innovations into the market place which is why we started this program that will bridge the gap and help their innovations progress into successful and marketable products that will bring impact to the community as well as providing an income for the innovators.

The Idea came out after realizing Twende has great potential innovators who can develop successful innovations. However, the path from initial prototype to fully fledged commercial product is difficult. Working with Twende can help them to reach their goals and Twende to achieve its vision of more local technology solutions to local challenges.

**TO PILOT THE PROGRAM, WE DIVIDED IT INTO 4 MAIN STAGES.**



The program started on the 12th of October 2020 after selecting a team of six students from a pool of 32 applicants who were teamed up with the initial innovators of the three technologies namely:

- **THE SUNFLOWER THRESHER**
- **THE WINNOWER AND**
- **THE COCONUT OIL EXTRACTOR**

The teams then were made up of 3 people each who worked tirelessly to advance their technologies.

We later found it wise to conduct business mentorship sessions simultaneously with prototyping to give them practical lessons in reference to what they are working on.

Five months down the road, 2/3 technologies (Winnower and Sunflower thresher) have reached the prototyping stage and hoping the remaining one (Coconut Oil Extractor) will catch up as the program is going on.

## MAKERSPACE VISITS

We are always delighted to host people in our workshop who come to learn more about Twende, take a tour, express interest in the projects or simply coming to say hi. Our makerspace has opened doors to 197 visits during this budget year.



# EVENTS

**“ WITHOUT THE TWENDE WORKSHOP  
WE WOULDN'T HAVE THE TOOLS  
TO FACILITATE OUR WORK.”**

**- BERNARD DENNIS (BARAA SECONDARY SCHOOL)**

# ***INNOVATION WEEK 2020***

## ***DAR EDITION - EXHIBITION***

Twende was privileged to exhibit its programs and technologies in the Dar Innovation week sponsored and organized by the Human Development Innovation Fund (HDIF). We showcased our programs in collaboration with one of our innovators from the 2019 Jamii Tech Program, Joseph Sanga Taifa, who showcased his captivating technologies. He was one of the earliest innovators to develop a foot-operated hand-washing station before the COVID-19 pandemic. He showcased the handwashing device along with the car driving simulator.

We were visited by more than 130 visitors.

## ***ARUSHA EDITION REGIONAL ORGANIZERS AND EXHIBITORS***

We also got the honors to organize the Arusha Edition of the Innovation week alongside Anza and Ubuntu Hub. This event gave us the opportunity to work with several innovators and entrepreneurs in Arusha and network with them.

Our exhibition booth recorded 42 visits in 2 days before the event went online due to COVID-19.





**“THE ONLY MAKER SPACE IN ARUSHA THAT IS WELL EQUIPPED, RESOURCEFUL AND WHERE KIDS CAN FEEL SAFE WHILE WORKING ON THEIR PROJECTS AND LEARN DIFFERENT SKILLS”**

**—HAWA KIPILILI**

# **NANENANE EXHIBITION**

**Nane means eight and the 8th of August (8th month) is a public holiday and designated Farmers Day.** The show is held in many of Tanzania's cities and in Arusha the venue is the permanent showground administered by the Tanzania Agricultural Society (TASO), a government body.

During the ten days of the exhibition, we managed to reach out to more than 500 participants who visited our tent. Almost half of them were interested in what we do. Some of them, especially school students and youth visited our offices after the exhibition to learn more about us.

We showcased the technologies from our innovators, and proud to see them interact with different customers and potential stakeholders.

The exhibition was a success and Twende emerged as a runner-up in the NGO category. The following were submitted.

## **MCA TECHNOLOGIES**

Exhibited a manure spreader and a spice grinder. 5 people were interested in purchasing a grinder and are following up with Frank Mollel, the principal of the company.

## **KYARO ASSISTIVE TECHNOLOGY**

Exhibited a multi-purpose wheelchair that is particularly beneficial to children with Cerebral Palsy. One woman, from Karatu, a town two hour's drive West of Arusha, who is taking care of children with Cerebral Palsy, was keen to buy the multipurpose wheelchair. She is still in negotiation with the principal, Colman Ndetembea.

## **CEREALS WINNOWER TEAM**

Exhibited their prototype machine. Ten visitors showed keen interest in the machine and were keen to know the price. It was not decided at the time of the show since the machine was still under development. Subsequently they have been in contact with Franko, the team leader, and one of them has purchased a machine.

## **CHICKEN FEED MIXER TEAM**

Exhibited their prototype mixer. 12 poultry keepers expressed interest in buying a machine, but it was still a prototype. They undertook to come to Twende to follow up their interest with Tito, the team leader, but to date have not done so.

## **LOCAL BAKERY TEAM**

Exhibited their prototype bakery oven. Three visitors showed interest and wanted to buy even though the oven was still in development. They took the contact of the team leader. The team are currently endeavoring to finalize the design.

## **DOUGH MIXER TEAM**

Exhibited their prototype dough mixer. This was still an early-stage prototype, but several people were interested to see its further improvements.

## **BAR SOAP CUTTER**

Magreth, the innovator and the user of the machine, exhibited her cutting machine, and offered soap bars for sale. 58 visitors bought soap bars from her. She also impressed upon many women that they too can solve their challenges themselves instead of depending on others to do so for them.

## **LIQUID SOAP MIXER TEAM**

The team exhibited two liquid soap mixers, manually powered and motor powered. Most of the visitors were more interested in the manual one because it can be used in places where there is no power and also its lower price, so that start-ups can afford to buy it.





## **CHAPTER MEETING**

Twende hosted a chapter meeting on the 26th of September 2020 with the aim of reuniting our innovators to meet to share progress and experience in order to learn from one another and new ones to be inspired by successful ones. There were 59 participants.

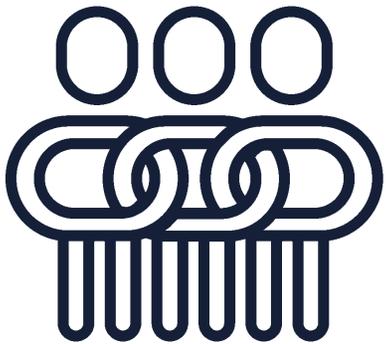
The meeting also aimed to expose our Innovators to potential partners and the right role players to collaborate with in their journey as entrepreneurs.

The chapter meeting turned out to be successful since our objectives were met and it exceeded our expectations.

## **COVID-19: DONATION OF HANDS-FREE WASHING STATIONS**

Twende launched a cause on GlobalGiving with the aim to flatten the curve by making technologies to slow the spread of the virus. We have successfully tested foot-powered tippy taps, where users can wash hands without touching the tap. We aimed to donate these locally designed and built tippy taps to public hospitals, orphanages, and marketplaces in Arusha, TZ.

So far, we have made and donated 20 tippy taps to Faraja Center, a young women development organisation that serves more than 73 students, members of staff and visitors, Themis Health centre in Njiro, Arusha, a local health centre that serves the Njiro Community, Moivaro orphanage, Kiserian Primary School, Njiro Secondary School and Moivaro health centre.





**“ IN 2020 OUR INNOVATORS HELPED TO SLOW THE SPREAD OF COVID-19 AND DEVELOP OTHER LIFE-IMPROVING TECHNOLOGIES.”**

**—CHRIS MUSHI**

# ACHIEVEMENTS

A welder wearing a protective mask and gloves is working in a workshop. The welder is focused on a task, with bright sparks and light emanating from the welding point. The background shows industrial equipment, including a large machine and a Nordik power source.

**“WE ARE VERY PROUD OF THE TECHNOLOGIES THAT ARE ALREADY BEING ENJOYED BY THE CUSTOMERS OF SUCCESSFUL ENTREPRENEURS WHO HAVE TAKEN THEIR INNOVATIONS TO MARKET. WE ASPIRE TO HAVE MANY MORE SUCH SUCCESSES.”**

| PROGRAM            | ORGANIZATION   | TARGET                             | ACTUAL                              | ACCOMPLISHED  |
|--------------------|--|------------------------------------|-------------------------------------|---------------|
| CCB                | Various Youths   | REACH<br><b>120</b> youths         | REACHED<br><b>135</b> youths        | <b>112.5%</b> |
|                    | Aga Khan Center<br>Ekenywa Village<br>Katesh Community<br>FUES Foundation<br>Okoa New Generation   | CONDUCT<br><b>6</b> workshops      | CONDUCTED<br><b>6</b> workshops     | <b>100%</b>   |
| Build-It           | Njiro Secondary School   | REACH<br><b>120</b> youths         | REACHED<br><b>143</b> youths        | <b>143.3%</b> |
|                    | Faraja Women's Center<br>Huruma Orphanage<br>Dorcas Center<br>Senda Success<br>El Shammah Secondary School<br>Njiro Secondary School<br>Baraa Secondary School | CONDUCT<br><b>8</b> workshops      | CONDUCTED<br><b>8</b> workshops     | <b>100%</b>   |
| Jamii Tech Program | Arusha Technical College<br>Summit Center Community  | ASSIST<br><b>1</b> group           | ASSISTED<br><b>1</b> group          | <b>100%</b>   |
|                    |  | CO-CREATE<br><b>4</b> technologies | CO-CREATED<br><b>4</b> technologies | <b>100%</b>   |
| STEM Outreach      |  | REACH<br><b>400</b> youths         | REACHED<br><b>205</b> youths        | <b>51%*</b>   |
|                    |  | CONDUCT<br><b>20</b> STEM outreach | CONDUCTED<br><b>7</b> STEM outreach | <b>35%*</b>   |
| Incubation         |  | DEVELOP<br><b>1</b> technology     | DEVELOPED<br><b>2</b> technologies  | <b>200%</b>   |
|                    |  | PROVIDE<br><b>1</b> incubation     | PROVIDED<br><b>1</b> incubation     | <b>100%</b>   |

**Program Achievement Percentage** ..... **87%\***



**O**ur success in running these programs by 87% has been made possible through our partners and collaborators and we are grateful for the support.

### **TECHNOLOGIES MADE.**

We have been able to facilitate the making of more 31 technologies through different programs we have run.

### **PILOTING THE TECH INCUBATION PROGRAM.**

This has been in the pipeline for many years now and this year we made it possible and until the end of the financial year, the success rate is 2/3 of the technologies have reached the testing phase.

### **GEOGRAPHICAL REACH.**

We have been able to run some of our programs (2 CCBs and 4 Build-It workshops) beyond our makerspace which is something we have been yearning for since the establishment of our programs and we hope to stretch even further.

### **EVENT PLANNING AND HOSTING.**

The Twende team has challenged itself into planning and managing different events successfully. Notable events include the chapter meeting which exceeded our expectations and co-organizing the Arusha Innovation Week.

### **STRONG PARTNERSHIPS.**

We have been able to create a closer and a much stronger relationship with the organizations we run workshops with like KAKUTE and Senda Success who we can rely on in running workshops, Anza and Ubuntu Hub have been closer to us in mentoring our innovators and co-organizing the Innovation Week 2 years in a row. Other partners include schools, technical colleges and Universities like the Arusha Technical College.

### **DESIGNING AND DEVELOPING TIPPY TAPS.**

Twende responded quickly in taking measures to slow down the spread of the virus by designing and making tippy taps which have been used by the community especially public spaces for both public hygiene in general and keeping safe from contacting the virus. We have donated 20 tippy taps to orphanages and health centers and trained 20 local artisans in the process who in turn, are using the skills to make some on their own.



# FINAL THOUGHTS

## CHALLENGES

**1. The COVID-19 outbreak and pandemic** posed as a challenge to our programs especially the outreach programs since most schools were closed for a long period of time and therefore making it difficult to reach them. This was later an opportunity for us to play our part in slowing the spread of the virus by making and donating tippy taps.

Another challenge brought by COVID-19 is the border restrictions which made it hard for international students to attend our Jamii Tech Program, international volunteers and interns to take part in the activities conducted on-site.

**2. Limited funds** to be used to develop some of the technologies that emerged from our programs. This year round, our participants came up with fascinating technologies that we couldn't fund further than we could afford due to a limited budget.

## IMPROVEMENTS

Based on the challenges we experienced in the budget year 2020-2021 the following are the areas we can improve on

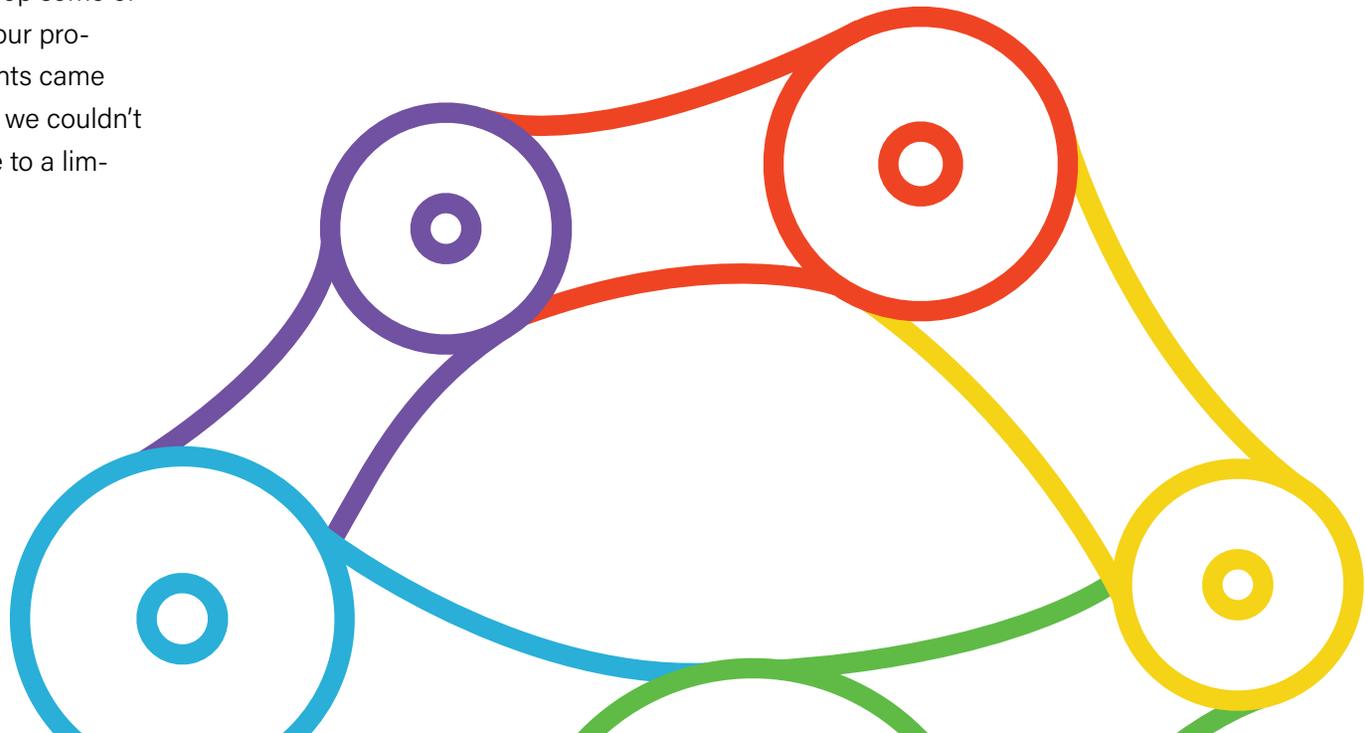
**1. More fundraising strategies** for us to be sustainable as an organization and run our programs with excellence.

**2. Strengthening the quality of our programs** by modifying our education curriculum especially the build-it workshops to address the current pain points in our communities.

## PROSPECTS

**1. Setting up an Innovation Center beyond the Arusha region.**

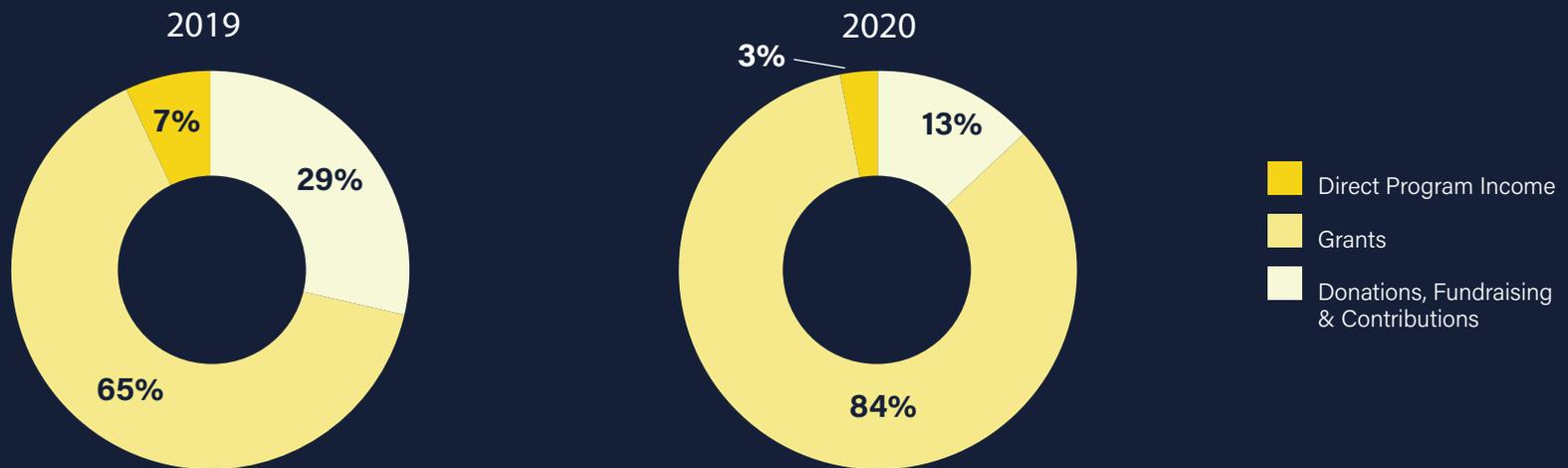
**2. Launching the Women Innovating Locally (WIL) program.** A program that targets to have more female participants in our programs since most of them are male especially in the Creative Capacity Building workshops. We believe that this approach will bridge the gender gap as our progress in attaining the 5th Sustainable Goal (Gender Equality: Education regardless of gender, advancement of equality laws, fairer representation of women). To do this we will dedicate half of our programs to women participants.



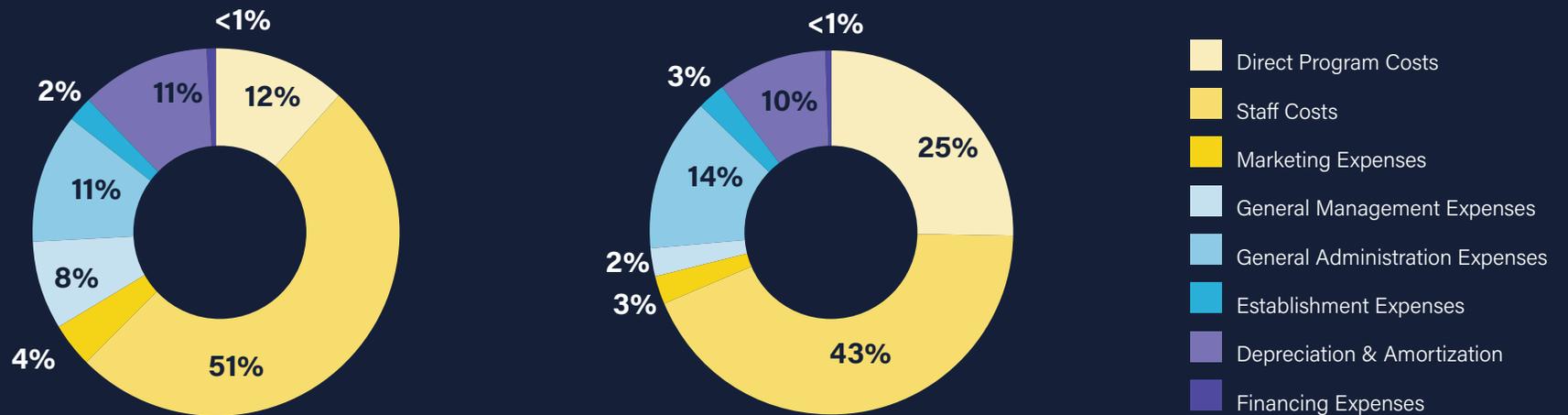
# FINANCIAL REPORTING

| <b>INCOME</b>                          | <b>2019</b>        | <b>2020</b>        |
|--|--------------------|--------------------|
| Donations, Fundraising & Contributions | 25,677,457         | 17,200,728         |
| Grants                                 | 57,850,097         | 108,362,867        |
| Direct Program Income                  | 5,997,597          | 3,813,118          |
| <b>TOTALS</b>                          | <b>89,525,151</b>  | <b>129,376,713</b> |
| <b>EXPENDITURE</b>                     | <b>2019</b>        | <b>2020</b>        |
| Direct Program Costs                   | 14,642,500         | 36,088,296         |
| Staff costs                            | 62,752,410         | 61,553,700         |
| Marketing expenses                     | 4,631,754          | 3,848,202          |
| General management expenses            | 9,718,530          | 3,310,956          |
| General administration expenses        | 13,792,313         | 19,365,796         |
| Establishment expenses                 | 2,707,814          | 3,615,850          |
| Depreciation & amortization            | 14,223,026         | 13,828,476         |
| Financing Expenses                     | 838,299            | 672,358            |
| <b>TOTALS</b>                          | <b>123,306,646</b> | <b>142,283,634</b> |

**INCOME** (PERCENTAGES ROUNDED TO NEAREST WHOLE NUMBER)



**EXPENSES** (PERCENTAGES ROUNDED TO NEAREST WHOLE NUMBER)



# ***OUR PARTNERING ORGANIZATIONS***



## THANKS TO OUR FUNDING PARTNERS

**SEGAL FAMILY FOUNDATION**  Segal Family Foundation

**Building a Community of Creative Collaborators.** We are building an equitable community of visionary organizations—both doers and donors—across Sub-Saharan Africa so that together we can improve the lives of millions.

**SOUTHERN AFRICA INNOVATION**  SAIS

**A regional initiative that supports the growth of new businesses** through strengthening innovation ecosystems and promotion of cross-border collaboration between innovation role-players in Southern Africa.

**DONATIONS FROM GLOBAL GIVING**  GlobalGiving

**GlobalGiving is a nonprofit that connects donors with grassroots projects around the world.** Donate to charity and see your impact with regular updates.

### OUR OTHER PARTNERS ARE:



**MORE INFO ABOUT OUR PARTNERS CAN BE FOUND**  
[HTTPS://TWENDE.OR.TZ/PARTNERS/](https://twende.or.tz/partners/)

**FOR DONATIONS**  
[WWW.GLOBALGIVING.ORG/DONATE/45193/TWENDE/](http://WWW.GLOBALGIVING.ORG/DONATE/45193/TWENDE/)

### FIND US

#### Mail

PO Box 14760  
Arusha, Tanzania  
TASO

#### Visits

Nane Nane Grounds, Njiro

#### Telephone

+255 (0) 762612602

#### Email

[info@twende-Tanzania.org](mailto:info@twende-Tanzania.org)

#### Website

[www.twende-tanzania.org](http://www.twende-tanzania.org)

#### Instagram

[twendeinnovates](https://www.instagram.com/twendeinnovates)

#### Facebook

[Twende Social Innovation Center](https://www.facebook.com/TwendeSocialInnovationCenter)





**TWENDE**