

— 2020 — ANNUAL REPORT



DesignOutreach



FROM CO-FOU

Dear Design Outreach family,

Reflecting on 2020 fills me with joy as I think about all that God has done through Design Outreach (DO). What we are doing takes courage, endurance, and love for others to persevere. The Bible tells us, “If anyone has the world’s goods and sees his brother in need, yet closes his heart against him, how does God’s love abide in him? Little children, let us not love in word or talk but in deed and in truth” (1 John 3:17-18). Because of your faithful partnership, we have demonstrated this kind of love in 10 countries around the world. Together we are loving our neighbors by working tirelessly to change the status quo, transform lives, and collaborate with Gospel proclaimers in some of the most remote, marginalized, and vulnerable communities in our world today.

While we have been dealing with a global pandemic, hundreds of millions of people are still struggling with water poverty—a struggle that often leads to severe sickness or worse. When I visited the Malawian community of Chikwangwala to join a LifePump installation celebration, I was reminded vividly of why we do what we do. While we were celebrating water flowing for the first time, many in the community were still reeling from a young woman’s funeral they had attended just a few days earlier; the woman had been attacked by a crocodile while gathering water at a nearby river. As a father of three young children, I cannot imagine the heartache or the desperateness that would lead me to send our kids to gather water from a river full of crocodiles. Ending water poverty is not an option; it is a necessity.

To help solve major global crises such as water poverty, we must reimagine the status quo and reengineer better solutions. This is where our dedicated team of engineers, designers, project managers, ministry partners, financial supporters, prayer warriors, and many others give freely of their time, talent, and treasure to tackle problems others wouldn’t dare. We are so thankful for the brilliant minds and compassionate hearts that drive DO.

Despite the unique challenges of 2020, we saw God grow this ministry significantly, and we are thrilled to share how your investment has played such a life-altering role for thousands of people around the world. I thank God for your partnership!

Blessings,

A handwritten signature in black ink that reads "Greg Bixler". The signature is written in a cursive, flowing style.

Greg Bixler, Ph.D., P.E.

Co-founder, Chief Executive Officer

OUR NDERS



Dear friend,

In March of 2020, as the pandemic was beginning to unfold, I shared some thoughts with our ministry support team about how the word *steadfast* was becoming important and meaningful to me. At the time, I was reading Psalm 112, which says, “They will have no fear of bad news; their hearts are steadfast, trusting in the Lord.” I had been asking God to help all of us at Design Outreach remain steadfast as we serve those in need. It is already a challenge to work in places around the world where disruptions in health, economy, and security happen on a regular basis—let alone in the midst of a global pandemic.

I am deeply grateful to look back and see how God answered that prayer. Many of you stepped up and embodied steadfast love and service by sacrificially supporting the work and mission of DO this past year.

Because of your partnership, we saw tremendous growth. We served more communities, invested in more research and development projects for future technologies, and built our team’s capacity. Our installed LifePumps also remained steadfast by continuing to provide safe and reliable water during a time when travel restrictions prohibited regular checkups, and our LifePumpLink remote monitoring technology allowed us to see water flowing consistently.

Together we are transforming communities physically, economically, and spiritually by creating reliable, resilient technology that communities can count on for life.

Times like these certainly help to increase my compassion for people in developing countries where major disruptions in life happen frequently because of poor infrastructure, war, political instability, and other challenges. I was blessed to see your increased compassion and determination to act on behalf of those in need, especially during such a challenging time. We are honored to have you as a partner in our life-transforming work!

With gratitude,

A handwritten signature in black ink that reads "Abe Wright". The signature is fluid and cursive.

Abe Wright

Co-founder, Chief Technology Officer

THE VISION OF D

is to see marginalized and low-

PHYSICALLY, ECONOMIC



DESIGN OUTREACH

income communities transformed

ALLY, AND SPIRITUALLY.



Meeting Critical Needs Around the World

At Design Outreach, we are committed to meeting the physical needs of individuals and communities through reliable appropriate technology. Our vision is to see lives transformed through our humanitarian engineering work, and that's exactly what we have witnessed as LifePumps are installed and water begins to flow around the world.

In 2020—despite the global COVID-19 pandemic—DO manufactured 100 LifePumps, with shipments to Kenya, Zimbabwe, Zambia, Malawi, Guatemala, and Haiti.

DO also installed 25 new LifePumps and recorded critical data from 51 LifePumpLinks. These remote satellite monitors are designed to provide LifePump data, such as handle rotations and gallons pumped, in real time. From those 51 LifePumpLinks, DO measured more than 338 million handle rotations and estimated that 27 million liters (7 million gallons) of water were pumped in 2020.

Currently, 161 LifePumps are providing reliable water access for approximately 88,000 people* in 10 countries.

The first LifePump was installed in 2013 and has proven DO's long-lasting, life-changing impact across the globe.

(Data as of July 2021).

1

Mali:

- 11 LifePumps installed
- 3,966 lives impacted

2

Central African Republic:

- 5 LifePumps installed
- 2,500 lives impacted*

3

South Sudan:

- 3 LifePumps installed
- 1,500 lives impacted*

4

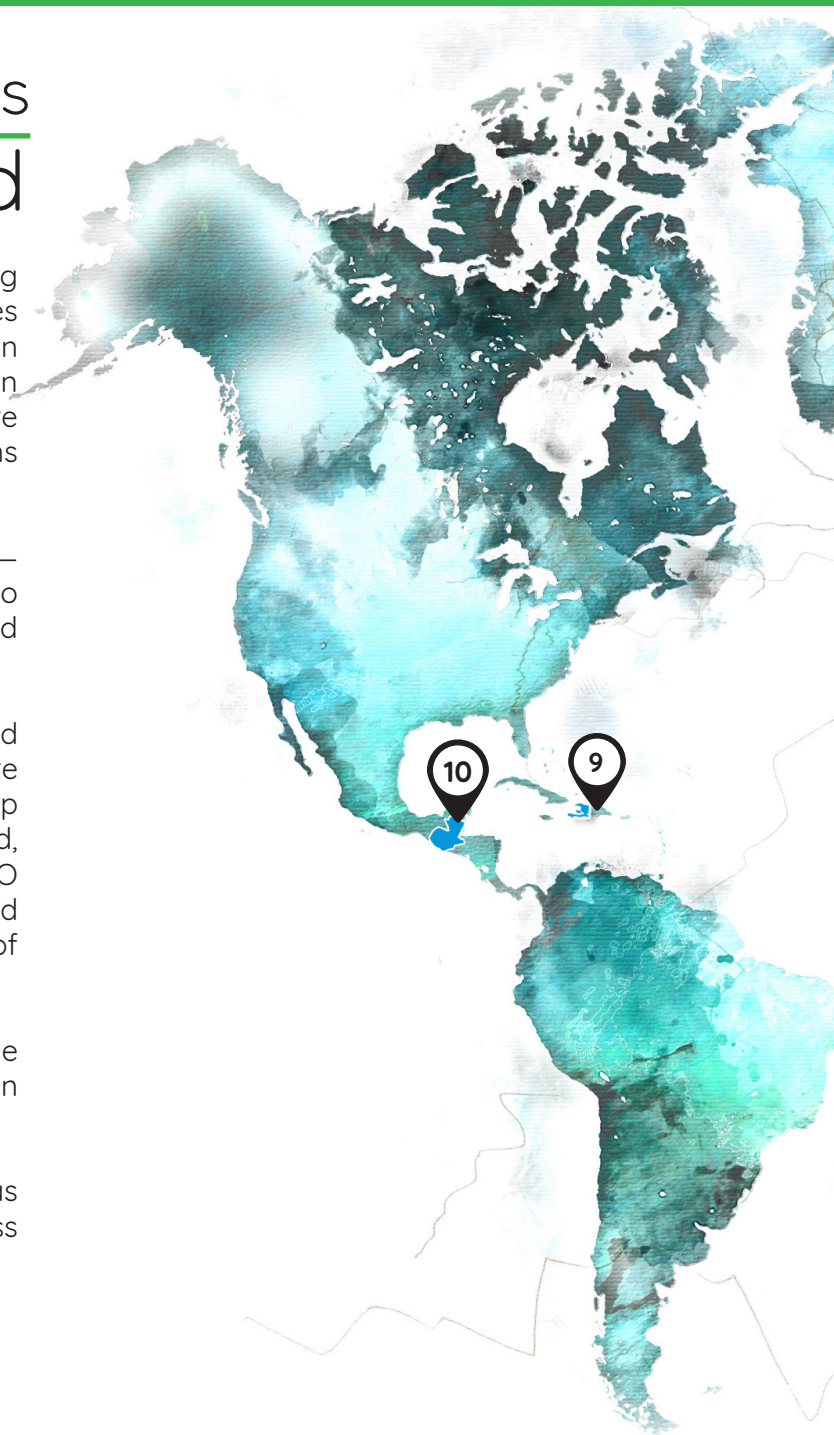
Ethiopia:

- 5 LifePumps installed
- 1,350 lives impacted

5

Kenya:

- 16 LifePumps installed
- 5,312 lives impacted





6

Zambia:

- 24 LifePumps installed
- 10,560 lives impacted

7

Malawi:

- 24 LifePumps installed
- 19,080 lives impacted

8

Zimbabwe:

- 28 LifePumps installed
- 14,000 lives impacted*

9

Haiti:

- 38 LifePumps installed
- 26,410 lives impacted

10

Guatemala:

- 7 LifePumps installed
- 3,500 lives impacted*

**Lives impacted are estimates based on average community size per country.*

MALAWI FIELD OFFICE LAYS FOUNDATION FOR NEXT DECADE

With the opening of this new facility, we will have the resources and bandwidth needed to impact the lives of another 1.5 million people in need of safe water.



As Design Outreach grew its impact and broadened its global reach in recent years, it became clear that we would need a field office in Malawi to function as our hub on the ground. We began to earnestly pray that God would provide wisdom and guidance as we sought to expand our team and operations globally.

In 2020, God answered our prayers, and with the support of \$206,621 from our generous sponsors, we established our first international field office. Known as the Malawi Field Office (MFO), this critical operation is located in Malawi's capital city of Lilongwe. Otherwise known as "the warm heart of Africa"—a moniker referencing its kind and welcoming people—Malawi has become central to our efforts to expand access to LifePump across Africa.

In 2020, we established an office space, hired new Malawi-based employees, began preparing our new guesthouse, and purchased a shipping container and vehicle for use in the field—all at the height of a global pandemic.

The MFO acts as an advocacy hub and field innovation center; provides warehouse space for LifePumps and spare parts; and houses the Rapid Response Teams and Training of Trainers program, which equips local leaders with the tools and knowledge they need to keep their LifePumps up and running for decades to come.

David Anderson, DO volunteer, traveled to Malawi in 2020 to help set up the new field office. Seeing the dedication of the MFO staff and the far-reaching effects of having a local operation, Anderson says he is a "complete believer" in the purpose and potential of the Malawi Field Office to help DO change more lives than ever before. *(Story continues on page 9)*

OF IMPACT



PARTNERSHIP WITH MISSION HOSPITAL PROVIDES SAFE WATER TO SURROUNDING COMMUNITIES

In a remote region of northern Zimbabwe about 124 miles from the nation's capital city of Harare sits Karanda Mission Hospital, one of the country's largest and most well-known facilities of its kind. The hospital, whose mission is to provide authentic Christian witness through affordable, reliable, and compassionate healthcare, draws people from across Zimbabwe. But quality medical care is not the only draw to Karanda.

For people living in surrounding communities, the hospital has often been their only hope for clean water. Many of the water pumps and wells in these villages are unreliable and frequently fail, forcing people to travel to the hospital to ask for water. This has put a massive strain on the hospital's water supply, as hospital staff face the tough decision of turning away the needy to save water for patients or risking the lives of patients to quench the thirst of their neighbors.

"We just want to thank the Lord publicly for His provision, through many people, for the funds for this project."

Jon Christiansen, Karanda's maintenance director, saw the critical need for safe water in this region and reached out to Design Outreach to solve this problem.

Between May and July 2020, through your generous support, the DO team partnered with Karanda and mission agency TEAM to install 14 new LifePumps in the communities surrounding the hospital.

"I can clearly say that the community water situation in the villages surrounding Karanda Mission Hospital is better," Jon wrote to DO recently. "People are happy. I hear one village is planning a big party, which will include a number of us from Karanda as guests. We just want to thank the Lord publicly for His provision, through many people, for the funds for this project."

It wasn't long after the LifePumps were installed that the DO team learned that these communities lacked adequate COVID-19 supplies and training. As a result, we began working with Karanda on implementing our COVID-19 prevention program in communities near the hospital. *(Story continues on page 10)*

Physical Impact

(Continued from page 7) “The Malawi Field Office is not fancy. It’s not expensive, but it gives the Malawian people ownership,” Anderson says. “We’re not dropping off stuff and leaving. We’re there. And it’s not ours, it’s theirs. It’s DO’s, but it belongs to the Malawian people. We’re not just a visitor. We’re here to stay. And we’re here to make things better in the long run.”


Through this new international operation, DO will be more readily available to visit LifePump communities for follow-up assessments on impact and functionality over time. These assessments will aid further research and development efforts and associated maintenance strategies. In addition, having a stock of spare parts that can be accessed locally will make a dramatic difference in maintenance time and overall strategy.

The new MFO also supports in-person advocacy efforts, as DO staff will be readily available to meet with missionaries, nongovernmental organizations, community leaders, and government officials.

Most important, the MFO will enable DO to provide people across Africa with more LifePumps than ever before. And as Anderson witnessed during his time in Malawi, that makes all the difference. *(Story continues on page 11)*

“We’re not dropping off stuff and leaving. We’re there. And it’s not ours; it’s theirs. It’s DO’s, but it belongs to the Malawian people. We’re not just a visitor. We’re here to stay. And we’re here to make things better in the long run.”



 Design Outreach Malawi Field Office
Lilongwe, Malawi



(Continued from page 8) Through this outreach and the support of generous people like you, we worked with community and hospital leaders to provide infection-prevention training, distribute thousands of face masks and bars of soap, set up handwashing stations, and share the love of Jesus with those in need of hope.

Overall, you helped us reach about **12,000 people** with these resources that will empower them to thrive.

For Karanda Mission Hospital and the people who live near it, LifePump and the safe, reliable water it provides have changed everything. Thank you so much for making this possible.



(Continued from page 9) “[When the communities we visited received clean water through LifePump], they reacted like it’s going to change their lives completely,” Anderson says. “And they were so joyous because they got clean water. ... I take that for granted, and yet it will always be with me how happy those people were when that water came out of that blue pump. They turned those handles by faith believing water was going to come out, and when it did, they were just overjoyed as if God had rained down on them. I’ll always remember that.”

As governments continue to recognize LifePump as a game changer in bringing clean and reliable water to rural areas, the Malawi Field Office will enable Design Outreach to build its supply chain and to provide more LifePumps to communities that are in desperate need of safe water.

Without the Malawi Field Office, much of what we accomplished in 2020 would have been impossible. **Thank you for supporting these efforts as we expand DO’s reach to impact more people than ever before.**



SAVING LIVES & CREATING OPPORTUNITIES

Our goal for the Malawi Field Office is to have the following life-changing impact in the next decade:

- ✓ **Who:** 1.5 million vulnerable people living in extreme poverty
- ✓ **What:** Install 6,000 LifePump+ packages (2,000 in Malawi and 4,000 in Zambia) while also providing a hub for capacity building, advocacy, and new appropriate technology development
- ✓ **When:** By 2030
- ✓ **Where:** In and around Malawi
- ✓ **Why:** To alleviate global poverty through life-sustaining technology and provide a platform to share the Gospel



RESPONDING TO A GLOBAL CRISIS

In 2020, life as we knew it changed forever, and, in response to the global pandemic, Design Outreach pivoted to respond to meet the needs of some of the world's most vulnerable communities. To ensure LifePump communities in Malawi and neighboring Zambia were pandemic-prepared, we introduced HandWASHing For All, a campaign that raised \$95,982 in 2020 for critical tools and training needed to slow the spread of COVID-19.

This major fundraising effort provided the resources our team needed to collaborate with ministry partners and local people to sew and provide masks for the vulnerable, purchase and distribute soap, install handwashing stations, host community gatherings to educate people on infection-prevention, and visit each LifePump community to train Health Surveillance Assistants who distribute COVID-19 news and supplies to surrounding homes. In addition, this initiative enabled us to add LifePumpLinks to every LifePump in Malawi and Zambia, which will provide real-time data to our technicians about each pump's operation.

Through collaboration with ministry partners, this program also involved Gospel presentations in many of the communities. Featuring worship music, dancing, teaching and Bible distribution, these gatherings drew anywhere from 100 to 1,000 people.

The HandWASHing For All campaign was praised by the head teacher at Kafwikamo Primary School in Zambia, who said that some of his students' parents could hardly afford to buy their children a tablet of soap to keep their hands clean. In Matambo, Zambia, a woman said that the mask DO provided is the first she has ever worn. A Sinazongwe government official said DO was the only organization he had seen distributing masks and soap to the villages in his Zambian district.

Through this effort, Design Outreach provided COVID-19 supplies and training to 71 communities, reaching over 42,000 people in Malawi, Zambia, and Zimbabwe. We distributed 19,543 face masks, 19,931 tablets of soap, and 425 Bibles to LifePump communities through February 2021.

Thank you to the Malawi Field Office team and to all who supported this campaign in 2020. Without you and the blessing of the Malawi Field Office, it would have been impossible to source materials, provide training, and ultimately save lives.

ECONOMI OF WORLDWIDE

While 2020 was full of poignant examples of the physical impact you have helped us have in the lives of thousands of people, the economic ripple effects of reliable, appropriate technologies in developing countries are extraordinary. Safe water has the power to transform communities economically through new opportunities such as farming, entrepreneurship, and education.

\$260
BILLION

The total dollar amount lost globally per year due to inadequate water supply and sanitation¹.

\$42
BILLION

The dollar amount gained in time savings globally by having access to an adequate water supply¹.

3.7
PERCENT

The annual average economic growth enjoyed by poor countries with improved access to clean water and sanitation services².

0.1
PERCENT

The annual average per capita GDP growth of poor countries that do not have improved water access, as compared with 3.7% growth in poor countries with the same per capita income but with safer access to clean water and sanitation services².

¹WHO (Global costs and benefits of drinking-water supply and sanitation interventions to reach the MDG target and universal coverage)
https://www.who.int/water_sanitation_health/publications/2012/globalcosts.pdf

C IMPACT

WATER ACCESS

When a community gains access to safe water they can rely on, they have the foundation needed to build a better life. The following information provides just a few examples of how access to safe water through technologies such as LifePump can have lasting effects on communities, countries, and the world through economic opportunity.



The number of working days per year gained globally by meeting the Millennium Development Goals on water supply and sanitation².

322
MILLION

The annual global value of adult working days gained as a result of less illness related to lack of access to safe water².

\$750
MILLION

The number of school attendance days gained globally each year due to improved water access and sanitation².

270
MILLION

The worldwide added economic benefit from adequate water supply and sanitation¹.

\$60
BILLION

²Stockholm International Water Institute (SIWI)
<https://www.sii.org/wp-content/uploads/2015/09/waterandmacroecon.pdf>

SHARING HOPE THROUGH ENGINEERING

At Design Outreach, we are motivated and empowered by the love of Jesus. By providing for people physically and economically, we are also opening the door to minister to their hearts and souls. By partnering with missionaries and Christian organizations, and through Gospel presentations and outreach in 2020, we had the opportunity to share the love of Jesus with countless people in need of hope. We are moved by the many stories of people whose lives have been changed for eternity this past year. The following testimonies from southeast Africa offer a glimpse into the spiritual impact this ministry has across the globe—all thanks to the generous support and faithful prayers of people like you.



Because of your generosity and the dedication of our ministry partners, we were able to purchase a sound system that has been used for Gospel gatherings throughout Malawi. This system allows the love of Jesus to be proclaimed clearly through teaching and worship.

In 2020, we partnered with African Enterprise, a nonprofit whose mission is to evangelize the cities of Africa in word and deed in partnership with the church.

DO also partnered with a faith-based organization (who wishes to remain anonymous) that provided funds for LifePump installations, COVID-19 supplies, Christian literature, and Bibles for communities in Zambia, Malawi, and Zimbabwe.

Through our HandWASHing For All campaign, communities not only received critical resources for infection-prevention; they also received the hope of the Gospel through worship gatherings that drew anywhere from 100 to 1,000 individuals who heard the good news of Jesus Christ.

Pastor King, who preached the Gospel at Chanyala, Malawi, was greatly appreciative that DO approached providing physical water and Gospel-sharing as a complete package. As people received the physical nourishment that comes from clean water, they also received the spiritual refreshment that comes with encountering Jesus.

Many people living in rural communities in Malawi, Zambia, and surrounding countries simply cannot afford to buy or obtain a Bible. This was the case for Mrs. Banda of Chinyangala, Malawi. Purchasing a Bible would require traveling to Lilongwe, the capital city, about 300 miles from her village. Now, thanks to your support, Mrs. Banda has a Bible she can read and study daily.

The village headman at Matelo, Zambia, said that he was full of gratitude to own a Bible for the first time.

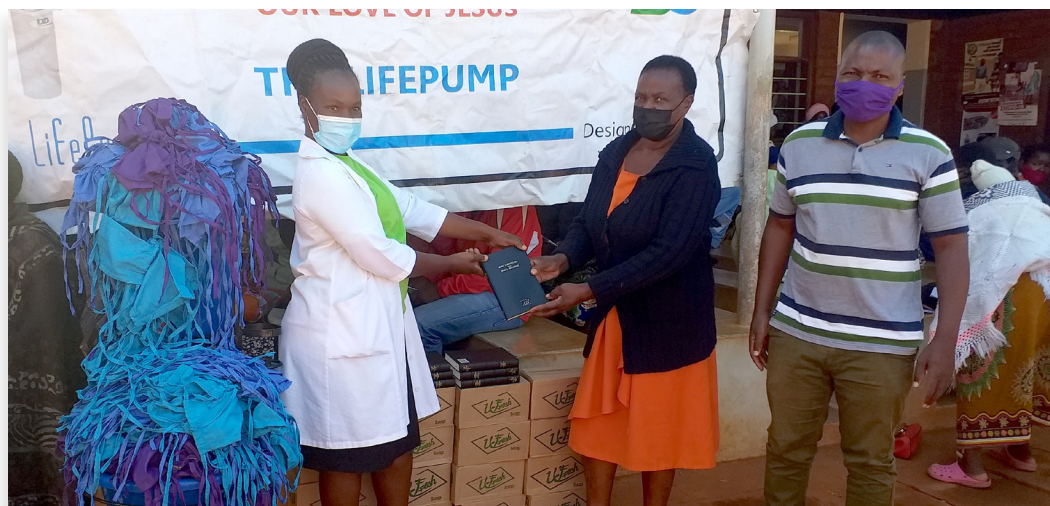


Pastor Kingstone Chakanika of Malawi has reported that—since DO provided Bibles to his community—many members of his church are now bringing their own Bibles to church and are actively reading the Word of God.

For pastors, Bibles are a critical tool. But for many in developing countries, obtaining a Bible is difficult. Evangelist Simon Nkhata of Mpamba, Malawi, says he knows preachers who could not afford Bibles but now—through the Bible distribution conducted by DO and our partners—are faithfully reading the Word of God freely.

In Zolomondo, Malawi, where the first permanent LifePump was installed in 2013, James Khaulani is overjoyed to have a Bible and feels more confident going to church with the Word of God in hand. “I have been going to church without a Bible,” he says. “Now I have no excuse. I am happy that I have (one).”

Florence Seleman, a nurse at the Mngoni Health Centre in Malawi, says, “Patients will now have access to words of encouragement and hope.”



Thank you so much for your prayers and generous support that allowed us to collaborate with our ministry partners to provide such hope to countless people. We thank God continually for you and for his grace as we strive to be faithful to his calling in this ministry.

FORGING AHEAD TO A



Our progress at Design Outreach in 2020 has allowed us the opportunity to continue forging ahead toward our ultimate goals of helping to alleviate extreme poverty and collaborating with Gospel proclaimers in sharing the good news of Jesus.

Despite the challenges 2020 presented, God was faithful to use DO to continue innovating new technologies and impacting lives. Because of the generosity of our many supporters and friends, we were able to expand globally through our new Malawi Field Office, which enabled us to provide safe water and COVID relief for thousands of people. Without funding for this critical initiative, none of this past year's work would have been possible and countless people would have continued to face the difficulties that come with water insecurity. We are so thankful for all those who helped make 2020 a year of hope for so many.

Looking into the future, we believe God is calling us to reach 10,000 communities living in extreme poverty by 2030—impacting millions of lives.

The communities we focus on live without basics such as safe water, sufficient food, or adequate medical services.

By creating, deploying, and scaling innovative appropriate technologies over the next decade, we will help to change the status quo for millions of people. We are dedicated to providing long-term support that promotes sustainable community development and ensures that our appropriate technologies run every day without fail for generations to come.

The impact we have had up to this point and the vision we have for the future are only possible because of the faithful support of people like you. Your compassion, generosity, and fervor are the foundation of this ministry, and we are grateful for the partnership of so many passionate people.

Together with our staff, in-country mission and government partners, industry partners, subject matter expert volunteers, prayer warriors, and financial supporters, we can meet these goals.

“Let us not become weary in doing good” (Gal. 6:9) but continue to work together to build a better future for thousands of communities around the world.

”
Despite the challenges 2020 presented, God was faithful to use DO to continue innovating new technologies and impacting lives.
“

BRIGHTER FUTURE

BREAKING THE CYCLE OF POVERTY THROUGH INNOVATIVE TECHNOLOGIES

It has been said that 90 percent of the world's technologies are designed with only 10 percent of the population in mind. The best minds of our generation and billions of dollars are spent on engineering new technologies such as cutting-edge smartphones and self-driving cars, while billions of people still lack access to the basic needs of life.

Design Outreach exists to flip that statistic by developing innovative technologies that alleviate global poverty.

We started with LifePump, but we are not stopping there. Over the past few years, we have been blessed to design and implement the LifePumpLink remote monitoring system as well as our LifeTap self-closing valves, which are preventing devastating water loss from critical water access points.

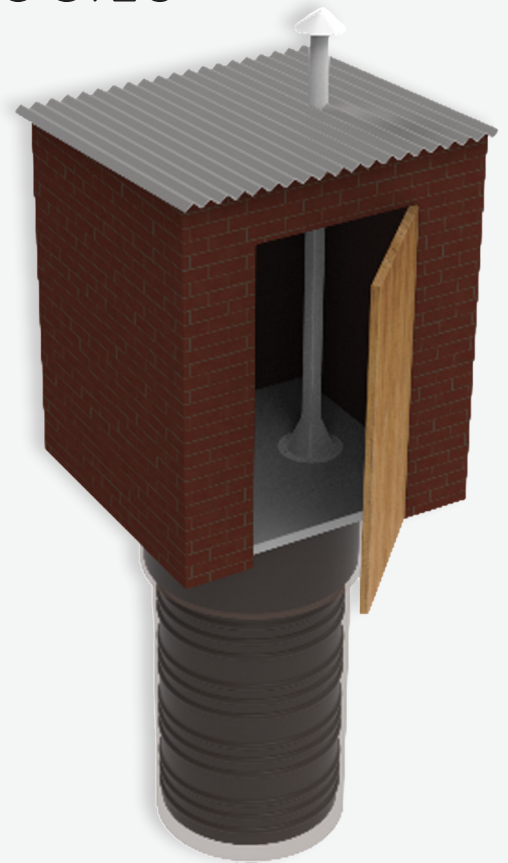
In 2020, we expanded our work in water, sanitation, and hygiene (WASH) and entered the global health sector with four new projects. These initiatives are currently in the inspiration and ideation phases of DO's appropriate technology development process, which ensures we are solving the right problems and developing technologies with excellence.

One new project our team is working on is LifeLatrine. This enterprise originated when one of our valuable WASH implementing partners brought to our attention some long-standing and common problems with pit latrines, which are the most commonly used toilets globally. While the common pit latrine is a simple technology, it is not necessarily inexpensive. Pit latrines are often difficult to maintain over time because the pits fill with waste and the pit wall liners collapse, rendering the pit unusable.

Access to quality, affordable toilets and latrines is crucial for disease prevention and sanitation in developing countries. Without them, community health and development suffer. Recognizing the need for sustainable, affordable latrines as a vital step in alleviating poverty, DO got to work. We first assembled a team of experts in engineering, design, sanitation, soil mechanics, and manufacturing to determine how to create a pit liner that is affordable for a single family, will keep pit walls from collapsing, and can be reused.

In 2020, the team completed critical initial research into the challenge of constructing pit latrines, studied and evaluated available solutions, and began developing new concepts to be tested in 2021.

This technology and others like it have the potential to change the lives of millions of people around the world. Motivated by our love for Jesus and desire to see people freed from the cycle of poverty, DO is committed to continuing to pray, problem-solve, and innovate to create a brighter future for those living in poverty, and we are so thankful to have you with us on this journey.



**DO's LifeLatrine concept,
designed to bring low-cost,
sustainable sanitation to rural
developing communities**



For Design Outreach volunteer Chizela Moonga of Zambia (pictured on the bottom of the next page), DO’s impact is evident in the lives that have been saved through safe water in his home country and beyond. He understands the need for durable, long-lasting technology that people can rely on day after day, year after year. Without the faithful, generous support of our donors and volunteers who give sacrificially, none of this transformation would be possible. Moonga’s testimony on the following page is just a glimpse of the impact your generosity is having in communities across the globe. As you read Moonga’s words and review our financials, know we are thanking God for your passion and partnership that make our ministry possible.

2020 REVENUES

TOTAL REVENUES: \$2,146,246

\$592,646: General Operating Income	\$206,621: Donations for Malawi Field Office
\$518,807: Volunteer Hours Value/ Gifts in Kind (GIK)	\$194,064: Support Raising
\$402,332: Donations for Appropriate Technologies (LifePump, LifePumpLink)	\$148,076: Appropriate Technology Sales (LifePump, LifePumpLink, LifeTap)
	\$83,700: Government Grants

2020 EXPENSES

TOTAL EXPENSES: \$2,042,455

\$639,307: Research & Development	\$426,219: Appropriate Technologies
\$448,800: Capacity Building (Advocacy, Training & Supply Chain Development)	\$279,455: Stewardship & Fundraising
	\$248,674: Leadership & Administration

The ministry of Design Outreach is made possible by the generous and sacrificial contributions of our many volunteers, who donate pro bono labor and expertise that would otherwise cost the organization thousands of dollars in expenses. This is particularly true in R&D, where much of our engineering work is provided free of charge. This breakdown of expenses accounts for these volunteer hours and shows the incredible role they play in DO’s ministry.

OUTREACH ERS

“My name is Chizela Moonga. I volunteer under Design Outreach, based in Zambia, in the southern part of the country.

I want to share my experience with LifePump. I was trained as a Trainer of Trainers on LifePump in 2019. By then I used to work for the ministry of local government, which is an institution mandated to give water to the rural community.

LifePump has come to save the lives of people. It is a pump that, after interacting with it, I've realized is the innovation we were missing as a country. It is an innovation that has brought relief to communities where the ground aquifers are so deep.

There are certain times where, under the government, we could be drilling boreholes, and the contractors would be given guidelines that you are supposed to drill up to 80 meters. If you don't strike water, you make a second attempt. So, we go in a community. The community will be happy that, for the first time, they will have water. They even slaughter a goat, and they are singing songs. You drill up to 80 meters, but you don't strike any aquifer with water. You do another attempt, but you don't find the water. And then you say, 'Oh, no. We are sorry. We are pulling out.'

After interacting with LifePump, we realized that LifePump can abstract water from as deep as 150 meters. Why not say we are going to drill as deep as we find the water? Then, we install a LifePump. Remember that the government policy in Zambia says that you need to use an appropriate technology for every specific village. So, if you abstract water from 120 meters, obviously, the appropriate technology is LifePump.

We are also marrying it to the United Nations Sustainable Development Goals, specifically 6.2, which says there should be access to water for everyone. So, I feel there should be no village left without water because of the water table being so deep. Because there is a solution, and the solution is so lasting.

I was privileged to visit seven LifePumps in Zambia, specifically in the Sinazongwe District.

These are pumps where the community will give testimony that in their lifetime, they have never seen a pump that works without a breakdown.

These LifePumps have been installed for the past five to six years, and these are pumps where the entire community, even the neighboring community, together with their animals, [can access water]. And we said, 'Wow, this is something which we have never seen in our lifetimes, as a province.'

The other critical thing I need to thank Design Outreach for is LifePumpLink. With the [monitor] ... you know real-time information; you know that the pump is being used for so many hours. To Design Outreach, I really want to appreciate and say, 'Thumbs up.' Please, let's continue having such innovations, if possible. The LifePump should be rolled out as the overall pump in the country. That is my personal opinion.

If it were a vehicle, I would want to call LifePump the Land Cruiser of all the existing pumps. ... As a country, if we are going to have sustainable and consistent water supply, especially in the rural areas and peri-urban areas, we need to think LifePump. We need to roll out LifePump as a country so that our community will benefit.

I thank you Design Outreach, and may God continue blessing you. Please don't get tired to continue supporting Zambia and other countries in Africa, so far as sending out LifePump is concerned. May God bless you, and thank you so much. ”



HERE'S HOW

COVID-19 RELIEF IN AFRICA

Pray for the protection of our brothers and sisters in Africa from COVID-19. Pray that masks, soap, handwashing stations, and education will reach the most remote places. COVID-19 is part of a long list of challenges in Africa, and we pray that the Lord protects communities. Finally, pray for our DO team and partners who have helped with COVID-19 relief, that the training they provide resonates in many communities.

NEW DESIGN OUTREACH STAFF MEMBERS

Pray that we continue to draw full-time engineers who are passionate about our work and can help our R&D and Field Programs departments. Pray especially for engineers with 10 to 20 years of industry experience who can lead new appropriate technology programs.

SAFETY & SUCCESS OF OUR PARTNERS

Lift up our Gospel proclaimers who are sharing in LifePump communities. We collaborate with pastors and evangelical organizations to share about Jesus in communities where we have built trust by providing reliable and safe water. Pray our sound equipment can reach open ears and change hearts. Pray also for the safety and success of all our implementing partners who work hard to make DO's ministry possible.

PEACE FOR HAITI

The country has been experiencing increased violence and instability, especially due to recent devastation. Meanwhile, people continue to be kidnapped and held for ransom, roads are blocked, and shootings are increasing. Pray for peace, safety for our missionary partners, and that LifePumps in Haiti continue to operate without fail. Unfortunately, opportunities to travel to communities and drill new wells have been drastically reduced.

MALAWI FIELD OFFICE

Lift up our Malawian staff and partners as we're ramping up the use of LifePump in Malawi and neighboring Zambia and Zimbabwe. Pray for the transition of our Malawi Field Engineering Director and his wife moving to Malawi. Pray for our team as they reach remote communities and that LifePump continues to gain popularity for communities with no water where other pumping technologies won't suffice.

NEW APPROPRIATE TECHNOLOGY DEVELOPMENT

Lift up our growing R&D department and the many technical volunteers who make our appropriate technology development possible. We are seeking new financial and industry partners for programs such as autoLifePump and LifeLatrine. Pray for wisdom on how to scale these appropriate technologies and for new team members who are subject matter experts.

CHANGING THE STATUS QUO

Please pray that we can show nonprofits, government officials, and donors that we need to improve quality standards in developing countries, especially in regard to water pump technologies. Pray we can provide 100 percent uptime on all our LifePumps so lives can continue to be transformed.

YOU CAN PRAY

A photograph of a large crowd of people, primarily of African descent, with their hands raised in a gesture of prayer or praise. The scene is brightly lit, suggesting an outdoor setting during the day. In the foreground, a man wearing a white knit cap and a light-colored t-shirt is seen in profile, looking down. Behind him, another person in a red shirt is visible. The background is filled with many other people, some with their hands raised high. The overall atmosphere is one of collective worship or community gathering.

Thank you so much to all those who pray continually for guidance, direction, and effective ministry for Design Outreach. Your steadfast faith and support play a critical role in helping us to fulfill our vision of seeing marginalized, low-income communities transformed physically, economically, and spiritually.



*Alleviating Global Poverty
Through Life-Sustaining Technology*

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THANK YOU