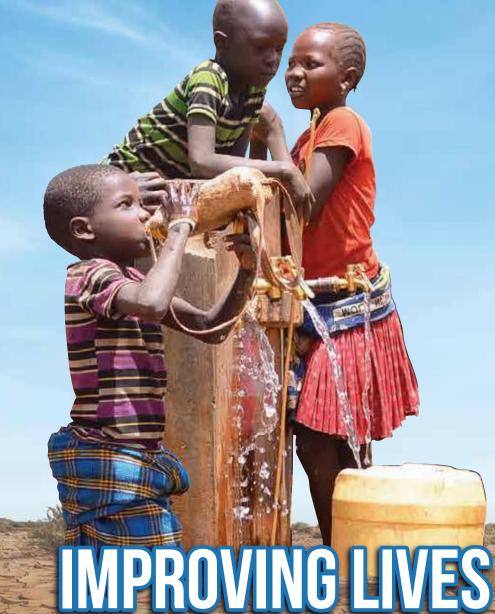


know H<sub>2</sub>Ow through experience



CSR REPORT 2023

#ImprovingLives

#### **FOREWORD**



2023 has not been an easy year, with economic difficulties and climate disasters all contributing to a turbulent year. In parts of Eastern Africa, El Niño is devastating infrastructure and displacing communities, some of whom have long suffered a prolonged drought in specific regions. The cycle of poverty and inequality is attributed in part to a vulnerability to the effects of climate change and the lack of safe water, which is a resource needed by all, but is not accessible to millions.

The D&S #ImprovingLives Initiative recognizes the urgency to address these issues, particularly in the provision of sustainable water solutions. In the just concluded year, the initiative implemented a drought response program which executed 46 projects in West Pokot, Marsabit, Turkana, Samburu, Taita Taveta and Kajiado counties. The program increased access to water to particularly vulnerable communities impacting 87,600 lives. It is by working together - with partners from every sector - and by pooling resources that we can implement the most effective initiatives.

Our #ImprovingLives Initiative has consistently aimed to tackle societal and environmental challenges within the Davis & Shirtliff areas of expertise and within the communities where we work The initiative, with support from key stakeholders and partners, implemented projects worth a value of KES 60M, impacting over 210,000 lives across 4 countries. The focus of increasing access to water remains the initiative's core objective and has positively impacted over 108,000 lives in this aspect. The water access projects have not only brought potable water to communities, but have also harnessed clean, renewable energy. The wider impacts of these initiatives cannot be overlooked, particularly in light of the interconnected global challenges.

In the face of current realities, Davis & Shirtliff understands the importance of collaboration and innovation in the pursuit of sustainable development. Looking ahead to 2024, the #ImprovingLives Initiative will run a program that will see the conversion of handpump fitted wells to solar powered well pumping systems. Implementing this program guarantees enduring access to safe water, sparing millions of women and children from spending countless hours collecting water for survival. Additionally, it maximizes the impact of existing water systems, reaching far more lives than their original capacity allowed. Davis & Shirtliff remains steadfast in its commitment to providing water and energy solutions that uplift lives. The firm's completed and ongoing community projects exemplify the power of purpose-driven initiatives.

In this edition, we share stories of resilience, innovation, and positive change. Each project contributes to a collective narrative of transformation, embodying our unwavering commitment to improve lives. We appreciate the continued support from our partners and communities, recognizing that true impact stems from shared dedication.

Enjoy the Issue!



GROUP CHAIRMAN, DAVIS & SHIRTLIFF AlecDavis@dayliff.com



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2018
64 PROJECTS
50,000 BENEFICIARIES

2019
91 PROJECTS
93,730 BENEFICIARIES

2020
140 PROJECTS
485,220 BENEFICIARIES

2021
143 PROJECTS
221,650 BENEFICIARIES

2022
07 PROJECTS

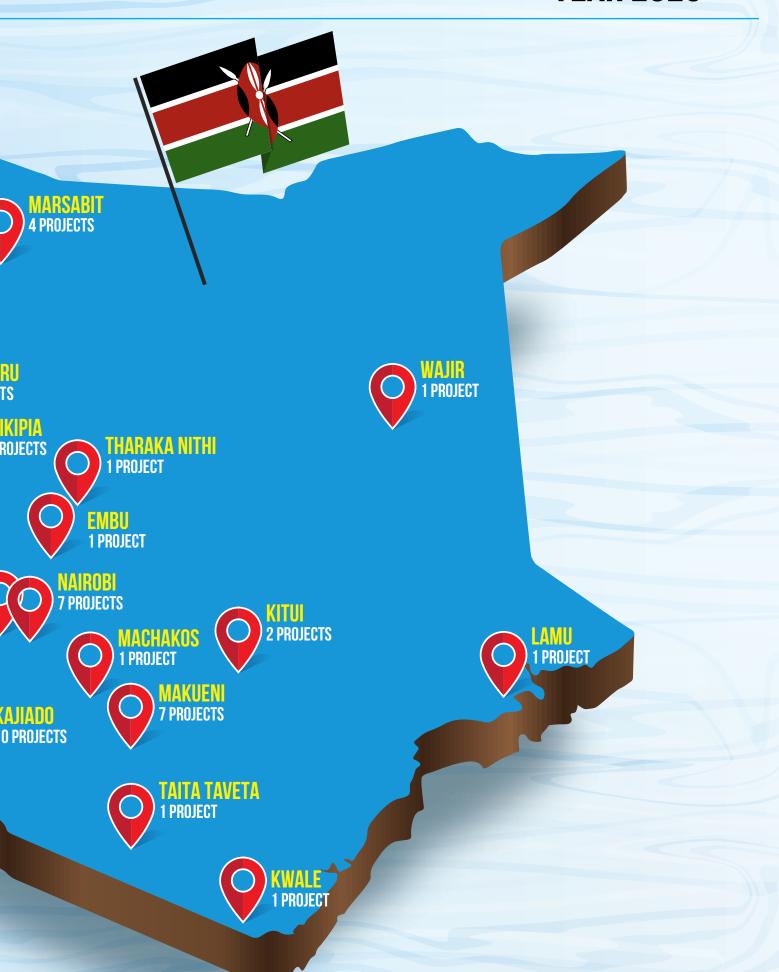
89
PROJECTS
210,028
BENEFICIARIES

IMPACT SINCE 2018: TOTAL PROJECTS: 634 TOTAL BENEFICIARIES: 1,276,277

#### **D&S #IMPROVINGLIVES IMPACT LOCATIONS**



#### **YEAR 2023**







# REVIVING KAKULI VILLAGE: A LIFE-CHANGING BOREHOLE IN MAKUENI COUNTY



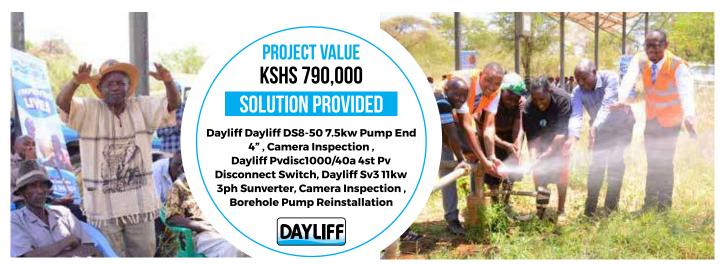


estled in Makueni County, Kenya, Kakuli village grappled with the arduous task of collecting water from seasonal rivers like Kalawa and Athi River due to recurring droughts. This challenging daily endeavor consumed significant time and resources for the villagers.

In a collaborative initiative with the National Drought Management Authority, the #ImprovingLives Initiative undertook the rehabilitation of an inactive borehole system within the community. This transformation involved the donation of essential equipment, including a 7.5kW borehole pump, an 11kW solar controller, as well as various borehole accessories and fittings. The refurbished borehole now stands as the primary source of clean water for the entire community, catering to the needs of the local health center and schools.

Beyond alleviating water scarcity, this borehole has become an invaluable resource, supporting the community's daily domestic and agricultural requirements. At the official commissioning ceremony, Julius Mangondu, the borehole chairman, said that the borehole "is the only savior for the people around" and that fetching water is now "so easy, especially for schools and the health center here".







# NURTURING HYGIENE AND INSPIRING FUTURES IN MAKUENI COUNTY





In the heart of Makueni County, where challenges of water scarcity and climate change loom large, stands Kyuasini Primary School, a Kenyan rural public school which has an enrollment of 157 pupils. The #ImprovingLives Initiative, in collaboration with Action Aid, have brought forth a transformative initiative to address critical issues.

Davis & Shirtliff have generously donated five handwashing stations to the school, to combat the spread of infections amid a backdrop of water scarcity. With 157 eager pupils as direct beneficiaries, these stations foster a healthier environment for learning.

The partners also orchestrated a career talk mentorship session for the students. This session aims to inspire and guide young minds toward fulfilling career paths. Through hygiene and mentorship, this initiative not only washes hands but also nurtures aspirations, painting a path to success for the pupils of Kyuasini.

















# D&S DEPLOYS REVERSE OSMOSIS TECHNOLOGY IN PARTNERSHIP WITH CARITAS TO PROVIDE CLEAN AND SAFE WATER IN NORTH HORR





Barambate is one of the communities that reside in North Horr subcounty, Marsabit County with a population of 606 people. The entire county of Marsabit had endured a difficult period of drought that unfortunately caused the pastoralist community of Barambate great suffering. In their respective drought response initiatives, Davis and Shirtliff and Caritas Marsabit partnered to offer urgent action to provide support and prevent further loss of life and livelihood. The two organizations partnered in the donation and installation of a Mod Pro and Solar pumping system for the

community which will leverage the abundance of the sun to provide clean potable water. The community has in place a water tariff system that will be used to operate and maintain the safe water supply. To foster ownership of the project, the community also contributed 1% in cash during the construction of the wells. There have been complex connections between food / water insecurity and conflict in Marsabit County and projects like these aim at not only increasing safe water access for the community but transcend several other aspects of the community's life and livelihood.





606

Number of project beneficiaries





#### PROJECT VALUE KSHS 1,030,000

#### **SOLUTION PROVIDED**

Dayliff DDP60 0.37kW Pump, Dayliff 24l
Pressure Kit, DX 300 Filter w/o media,
Certikin Grade 1 Glass Media, PRO RO 0.1M3/HR,
Dayliff SV3 1.5kW 1ph Sunverter, Galv.
Steel Ground Mount 1M Structure/Watt,
Dayliff 200W 24VDC Crystalline Solar
Module, Dayliff Sunflo-B 120H 1 Solar
Pumping System, Dayliff UV
Purifier 16W 0.5M3/HR











# BOREHOLE REHABILITATION AT ERETETI PRIMARY SCHOOL





reteti Primary School faced acute water shortages as both of its boreholes were non-operational due to breakages, causing significant suffering for 800 beneficiaries, mostly students from needy households. In collaboration with The Rotary, The Improving Lives initiative intervened by rehabilitating the 7.5kW borehole pumping system.

This project ensures a sustainable solution for the school's water needs. The repaired boreholes will not only benefit the students but also the community through the sale of water, the establishment of a food garden, and providing water for livestock and water bowser services. This intervention aligns with D&S's commitment to improving lives and fostering community resilience.

7.5kW

The borehole motor that was donated



#### #IMPROVINGLIVES REPORT - 2023







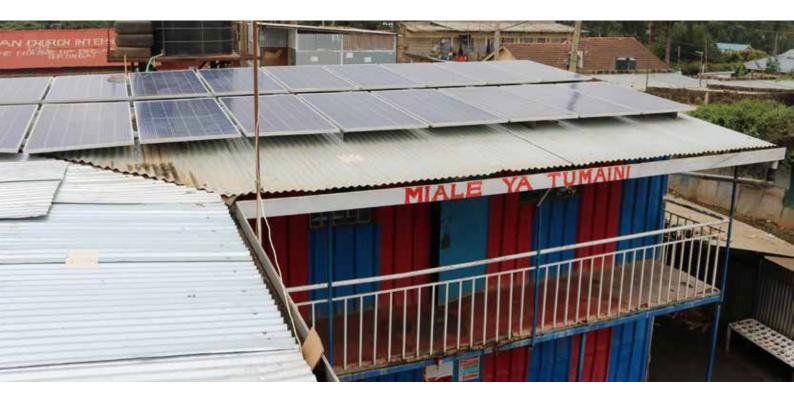






#### A RAY OF HOPE: DAVIS & SHIRTLIFF EMPOWERS **MIALE YA TUMAINI CHILDREN'S HOME**





iale ya Tumaini, a dedicated community-based organization located in Ongata Rongai, aspires to be the beacon of hope for orphaned and neglected children within their community. Their mission, driven by compassion, includes providing essential support to the most vulnerable in society.

to clean water.

To address the critical water needs of their organization, Miale Ya Tumaini embarked on a borehole project, aiming to secure a reliable water source. Davis & Shirtliff stepped in as a partner, donating a 7.5kW solar-powered borehole pump powered by 36 solar panels of 335w each. This generous donation will be the cornerstone of Miale Ya Tumaini's quest to ensure that their children have access

The borehole project is not just about water; it's about securing a brighter future for over 1200 primary beneficiaries, including 200 children living within the home and an additional 1000 community members. By selling water to their community, the CBO plans to create a sustainable income stream to support their vital work

#### **7.5kW**

The Solar powered borehole pump that was donated.















# DAY LIFE

# Dependable Quality

WATER PUMPS [] BOREHOLE SERVICE [] POOLS
SOLAR [] WATER TREATMENT [] CHEMICALS
GENERATORS [] IRRIGATION







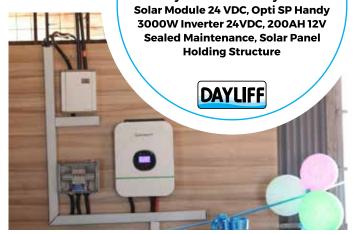
#### TOGETHER, WE STAND AGAINST THE SHADOWS OF FGM





Sanctuary for Maasai girls escaping F.G.M. and early girl child marriages. The center plays a pivotal role in empowering these girls through education, a lifeline in a community where female literacy rates are strikingly low. Not only does the center provide education, but it also stands as a beacon for girls' empowerment and a catalyst for changing regressive cultural practices.

With no access to the grid, the #ImprovingLives Initiative partnered with Kite Child International to donate a solar lighting system to illuminate the center's path toward progress. The donation, comprising 280W panels, an 8-battery, 200Ah battery bank and 3kW inverter has lit the dormitories, classrooms, and dining hall. Impacting 175 girls, 18 staff members, and an expected influx of students post-expansion this project paves the way for education , and supports the stand against the shadows of F.G.M.











# SOLARIZATION OF BOREHOLE AT SPECIAL NEEDS FACILITY RESTORES HOPE FOR THE MOST VULNERABLE





KSHS 18,000

Amount needed previously to pump water per month.

Prione community training center is located in Kiserian. They take care of and offer therapeutic services for youth and children diagnosed with intellectual disabilities. In addition to therapy, they also offer special education, vocational training and rehabilitation. Through their vocational program, they train and empower their students on horticultural farming which supplies food for the center and generate income to run programs by selling produce to the local community. They also use water as a form of therapy for their students.

Davis & Shirtliff, through their #ImprovingLives Initiative have, through the solarization of the center's 7.5kW borehole pump, enabled the center to have access to over 70,000 per liter of water per day which has contributed to the increase of farm produce hence improving the I ivelihood of the center and communities surrounding them.

PROJECT VALUE KSHS 1,480,000

**SOLUTION PROVIDED** 

36no 335w Galv.Steel Ground Mount 3m Structure/ Watt >10no.

**DAYLIFF** 

#### #IMPROVINGLIVES REPORT - 2023













# SOLAR SUSTENANCE - NURTURING PROSPERITY IN SARAMBEI





Development Pamoja is a community-based organization ocated in the village of Sarambei. Sarambei is semi-arid, it experiences prolonged periods of drought, punctured by heavy rainfall. The CBO runs a program aimed at increasing access to water and assisting farmers to properly utilize their farms. Both, set in an area as arid as Sarambei, prove to be quite challenging to achieve. For this reason, the CBO sought assistance from the #ImprovingLives initiative, to donate and install Dayliff Sunflo solar pumping systems and a half acre Dayliff drip irrigation kit.

The donation impacts 420 beneficiaries accessing clean water and 120 farmers embracing innovative irrigation. This transformative initiative not only advances farming techniques but fosters economic independence through a sustainable credit system. The ripple effect extends to seven self-help groups, nurturing a community-driven approach for ongoing success.

### PROJECT VALUE KSHS 640,000

#### **SOLUTION PROVIDED**

2 \* Dayliff DDPS60 0.37kW 24VDC Solar Pump, 4 \* Dayliff 280W Polycrystalline Solar Module, 2 \* Dayliff SSI120/32 DC Isolator Switch, 2 \* Dayliff 200Ah 12V Sealed Solar Battery, 60 \* 4MM\*3 Core U/G Cable, Dayliff Galv. Suntower 2.4M C/W 3000I Plastic Tank, 4 \* 16mm Drip Line 15cm Emitter Spacing 1000m Roll

#### **DAYLIFF**











#### **EMPOWERING REMOTE COMMUNITIES**



duriri is a remote countryside village located on the foothills of the Aberdare Range which is about 65km from Kenya's capital. The Nduriri juu Nyakiambi Water Project had been serving a significant population, but it faced challenges related to power supply and high electricity bills. Through its Improving Lives Initiative, and in partnership with Life Water Kenya, Davis & Shirtliff solarized the water project's 7.5kW borehole pump. The Water Project ensures reduced reliance on the grid and lowered operational costs. Beyond economic empowerment, the solarization also ensures uninterrupted water supply to 1400 pupils in the local primary and secondary schools.

#### **SOLUTION PROVIDED**

Dayliff Sunverter SV3, Nande Solar Street Light, Solar Structure 3M, PV Disconnect /

DAYLIFF

#### 65KM

The distance from Kenya's capital to Nduriri.

#### #IMPROVINGLIVES REPORT - 2023







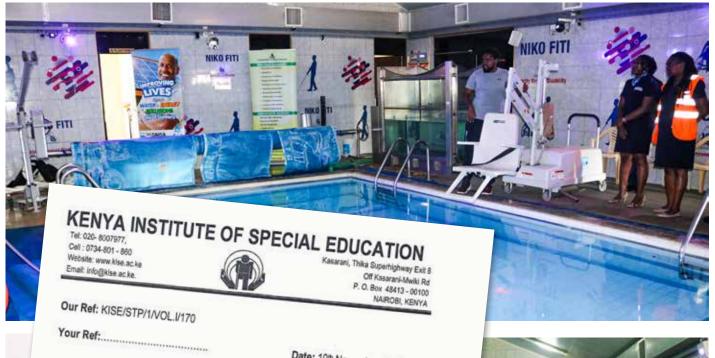








#### **ENHANCING CARE FOR SPECIAL NEEDS CHILDREN AT KISE**



Date: 10th November, 2022

CSR Co-ordinator Davis &Shirliff PO BOX41762

NAIROBI.

Anne.muiruri@dayliff.com

RE: APPRECIATION FOR THE COMPLETION OF THE CSR PROJECT AT KISE

Kenya Institute of Special Education takes this opportunity to pass our gratitude to the CSR Project done by Davis and Shirtliff, The swimming pool within the Institution profited greatly from

The hours given by Davis and Shirtliff personnel, the supply of chemicals, repairs, replacements done and everything the CSR covered will play a key role in enhancing lives for people living with disabilities in our Community and benefits the Society at large.

We appreciate the gesture and looks forward to continued good partnership with your Organization, We hope that we shall be considered for future CSRs services.

Thank you.

DR.N. KIOGORA DIRECTOR

> An inclusive Kenyan society in which every child with special nee their fullest has 150 9001:2015 CER

#### **PROJECT VALUE** KSHS 300,000

**SOLUTION PROVIDED** 

Pool Media, Chemicals. Smart 21ph Duplex Panel, **Heat Pump Service, Lift Battery,** Media Recharge, Cleanin pool to condition, Pressure Testing

**DAYLIFF** 





# NEED A DROJECT PROJECT UNDERTAKEN?

Submit your application through the CSR portal on the Davis & Shirtliff website

www.davisandshirtliff.com/csr-eligibility-form





#### **'BE THE ENGINEER' MENTORSHIP SEMINAR**







nome of the biggest obstacles women face in the corporate world include the lack of an enabling environment for them to  $igcup_{ ext{grow their}}$  competences and rise through the managerial ranks. Historically, there has been debate about women's performance in leadership. As frustrating as the very existence of that debate may be, it has also shone the spotlight on successful women like Michelle Obama, Oprah Winfrey and Wangari Mathai and the qualities that got them there. Women, are just as capable, and growth oriented as their male counterparts. Over the years, many promising leadership programs across the continent have opened their doors to help support more women garner the skills deemed necessary for growth in the corporate and business world. Davis & Shirtliff has taken this effort a step further and has harnessed the powerful tool of storytelling to inspire and train its female workforce. This program, dubbed the 'Women in Leadership' mentoring program, is an internal program available to all the female D&S staff, regardless of rank or position.





#### #IMPROVINGLIVES REPORT - 2023











In a move to extend this mentorship to a younger audience outside of the company, the program partnered with 'Be The Engineer' to carry out a full-day mentorship seminar in commemoration of International Women's Day. 'Be The Engineer' is an organization that provides girls and young women access to STEM mentorship through various activities which include leadership seminars, skill-based STEM boot camps, career day talks in high school, TVETs, colleges and universities.

The seminar was hosted at the Dayliff Building and boasted 5 inspirational guest speakers, one of whom was D&S's General Manager, Margaret Kuchio. The speakers also included Dr. Rose Ngugi – Executive Director KIPPRA Dr. Amakove Wala – Health Systems Expert, Eng. Elizabeth Rogo – CEO, Tsavo Oilfield Services; President, African Energy Chamber and Maryben Omollo – Mental Health Advocate, Vice President, AFYEF.







#### **WATERING HOPE**



Davis & Shirtliff's commitment to Increasing Access to water took center stage on World Water Day 2023, with the launch of the Ushirika Health Clinic project in Kibera. In collaboration with Ushirika wa Maendeleo na Maisha Kianda organization, Davis & Shirtliff addressed a critical need in the community. The Ushirika clinic, vital for a population with limited social welfare and infrastructure, grappled with water accessibility challenges. Through its CSR initiative, Davis & Shirtliff stepped in, facilitating a transformative partnership. The result: improved water accessibility for the people of Kibera. This initiative reflects Davis & Shirtliff's unwavering commitment to community welfare, tackling real-world challenges and making a positive impact on the lives of those in need. This and 3 other projects were launched on World Water Day, highlighting the company's dedication to a sustainable and water-secure future for all.



#### #IMPROVINGLIVES REPORT - 2023















#### A SOLAR SOLUTION FOR EDUCATION AND HOPE







\*\*Meedy children will find something to eat on the street and they will find some clothes to wear but they won't find anybody who is taking care of their education. If we don't focus on that, none of the children we are feeding right now will have the chance of having a normal life." Rachel Gichia, co-founder of Dreams Children's Home in Kajiado County, Kenya, emphasizes the critical need for education amid providing basic necessities for 110 orphans. The home, which is on the outskirts of Nairobi in Kajiado County, Kenya, had been having trouble maintaining the high costs of electricity from operating their mains powered borehole pump. Eager to help the home reduce this cost, the #ImprovingLives Initiative donated a solar generator to power the pump, with the home contributing 30% towards the project. This donation secures a continuous water supply, for the 110 children in the home and freeing up funds for essential educational support.

#### PROJECT VALUE KSHS 560,000

#### **SOLUTION PROVIDED**

9\*Dayliff 335W Crystalline Solar Module, Dayliff SV3 3.7kW 1PH Sunverter, Galv.Steel Tin Roof Mount Structure/Watt, Enclosure 1000\*500\*350mm



#### #IMPROVINGLIVES REPORT - 2023













#### **ALALE COMMUNITY, WEST POKOT**



rought response is an overwhelming responsibility that no one agency can take on alone. Davis & Shirtliff has partnered with the National drought Management Authority to install a solarized borehole pump at Alale community borehole. The nomadic community in Alale, West Pokot, would travel a treacherous 20 kms sometimes beyond the Kenyan border, in search for water. The livelihood of the Alale Community was greatly affected with a large proportion of their livestock succumbing to the harsh conditions.

The solarized borehole is 240m deep and currently gives 10,000l of water per hour. Initially, there was an existing system that gave 1,000l per hour, which was extremely insufficient for both the community and the health center.

The solarized borehole now serves over 3000 people and saves several hours in the day for more productive activity.





PROJECT VALUE KSHS 1,710,000

#### **SOLUTION PROVIDED**

Dayliff Sv3 7.5kw 3ph Sunverter, Dayliff Pvdisc1000/40a 4st Pv Disconnect Switch, Dayliff 335w Crystalline Solar Module







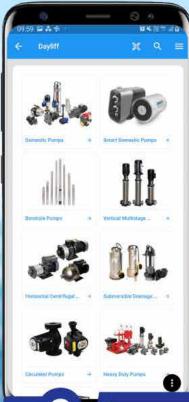


# D&SFLO

VERSION 3.0

### NEW AND UPDATED







What is NEW?

#### **UPDATED INTERFACE**

#### **PRODUCT MANUAL**

with access to pricing, inventory check, full product documentation (Datasheets, instruction manuals etc), videos, spare parts, sizing etc on product page.

QR CODE SCANNER linked to Product Manual

PRODUCT MANUAL FLIP BOOK ACCESS

**FAVORITE PRODUCTS** and New and Updated products segment

**SOLARCALC** and **PUMPCALC** integration with complete report downloads and dynamic curves generation.

**BRANCHES AND STOCKISTS FINDER** 

INTEGRATION TO IDAYLIFF, POOL TOOL and DAYLIPA HABA

#### EXTRANET

Access to product prices, customer information such as invoices, statements, incentive scheme, rapid ordering, orders with full integration to ERP specific to various subsidiaries / countries.











#### **EMPOWERING AMAZING GRACE THROUGH SOLAR SOLUTIONS**













# THE SOLARIZATION OF MAUCHE COMMUNITY'S VITAL WATER SOURCE





s water is key to life, water scarcity often provokes conflict. This kind of conflict was experienced by the Mauche community in Kenya's Nakuru County before a water project was initiated early in 2005. The water project was successful in serving over 2000 residents, 4 primary schools, 2 secondary schools and a health center. The project was also successful in quelling the conflict that had previously reigned in that location. Early 2023, the electricity bills incurred by this water project were so high, instances of disconnection were experienced. The water committee in charge of the project approached the improving lives initiative to intervene by converting the mains powered borehole pump to solar powered. The Improving Lives Initiative partially sponsored the donation of 18 panels of 330w each, a 5.5kw solar controller and a ground mount 3m galvanized steel structure. The contribution has significantly benefited the local community by restoring a crucial water supply source.









## PROJECT VALUE KSHS 730,000

## **SOLUTION PROVIDED**

20 \* 275w Dayliff Polycrystalline Module, Dayliff SV3 5.5kW Sunverter, Galv. Steel Ground Mount 3M Structure









# **EMPOWERING MINDS IN TIATY, BARINGO COUNTY**



The illiteracy levels in Tiaty, Baringo County is one of the highest in Kenya at above 85%. This has largely been due to underdevelopment, low investment in education infrastructure, the inaccessibility of the area, and the nomadic lifestyle of the local community. To address this problem, the community of Maron in collaboration with area leaders began the establishment of Maron High School in 2019.

The Improving Lives Initiative has installed a 3kW Solar Off Grid System within the school for lighting and other energy-related needs. During the commissioning ceremony the school noted that the solution donated has been a great breakthrough and has helped transform the students' lives. With the lighting now available, pupils can attend evening preps and administrative responsibilities that require power are no longer sourced from the nearest center, 10km away.



# KSHS 550,000 SOLUTION PROVIDED

6 no. Dayliff 100W 12v panels, 2 no. Izzy 350W inverters, 3 no. 200AH Solar Batteries, 2 no. Sundaya Apple charge controllers, 2 no. ground mount solar support structures

DAYLIFF



#### #IMPROVINGLIVES REPORT - 2023















# A LIFESAVER IN THE WATERS: DAVIS & SHIRTLIFF DONATES OUTBOARD ENGINE





avis and Shirtliff are committed to ensuring safe and reliable access to education for every child. In this endeavor, the #ImprovingLives Initiative has donated an outboard engine to Kokwa Island Primary School.

The waters around Kokwa Island are home to lurking crocodiles and hippos, posing a constant threat to anyone wading through them. The students and teachers of the school have faced a frightening challenge in accessing their school due to a submerged footbridge and an old broken down boat engine making transportation unpredictable and perilous.

This generous donation of the Dayliff 15HP 2T Long Shaft Outboard Engine aims to transform the lives of over 500 people. It not only ensures improved school enrollment but also provides safety and peace of mind to those making the treacherous journey.

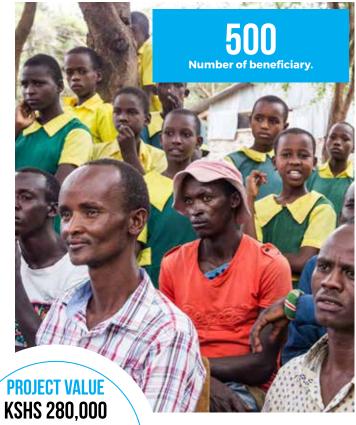
The outboard engine donated by Davis & Shirtliff is a testament to the company's commitment to providing robust and reliable solutions, safeguarding lives, and enabling access to essential services.



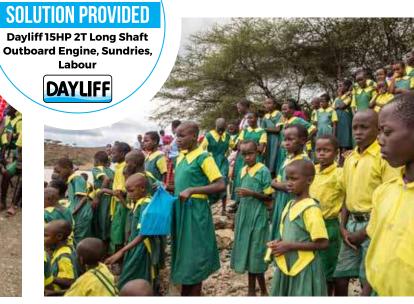


















# **CHIPEPO SECONDARY SCHOOL PROJECT**



avis & Shirtliff Davis & Shirtliff Zambia through its #ImprovingLives Initiative is proud to have partnered again with World Vision Zambia and Électricité de France (EDF) a French Multinational Electric Utility Company, to bring light to Chipepo Boarding School, a place where over 1000 young minds were studying in the dark

In a significant stride towards a brighter future, Davis & Shirtliff Zambia has successfully handed over a cutting-edge Solar PV Hybrid Lighting System to power dorms, computer labs, libraries, and other essential areas of the school.

This initiative exemplifies the impact that collaboration can have in transforming education and empowering communities.

1000 Young minds were studying in the dark.





#### #IMPROVINGLIVES REPORT - 2023











# PROJECT VALUE ZK 120,000

## **SOLUTION PROVIDED**

Dayliff 400w Monocrystalline Solar Module, Deye 8kva Hybrid Inverter, Deye Se-G5.1 Pro Litium Ion Battery, Dayliff 410w Monocrystalline Solar Module, Dayliff 10 Module Galv.Roof Mount Structure

DAYLIFF



# **WORLD VISION AWARDS**







Davis & Shirtliff Zambia is honoured to have partnered with World Vision Zambia as part of its Corporate Social Responsibility activities through the #ImprovingLives Initiatives Program.

In addition, Davis & Shirtliff Zambia has been acknowledged and appreciated by World Vision Zambia for its longstanding commitment to







# MONITOR & CONTROL

your Water and Energy Equipment

FROM ANYWHERE





# DAVIS AND SHIRTLIFF DONATES **GRANULAR CHLORINE TO WORLD VISION ZAMBIA** TOWARDS THE FLOOD AND CHOLERA RESPONSE





Zambia towards the flood and cholera response in Zambia.

Speaking during the handover ceremony, Davis and Shirtliff Managing Director Jonathan Mainga said "As a company coming from the water sector, we thought the most convenient way to respond to such crisis is to make the water safe by chlorinating the drinking and wastewater (that needs to be treated)".

World Vision National Director John Hasse applauded Davis and Shirtliff for being an all-weather partner in water and sanitation programs across the country. Mr. Hasse said the donation of granular chlorine would go a long way in providing clean water to the displaced flood victims until they are brought back to their homes.





# SUPPORTING RED CROSS KENYA'S EL NIÑO EMERGENCY RESPONSE

ecent severe flooding in Kenya, triggered by unusually intense El Niño rains, has claimed hundreds of lives and displaced thousands. Apart from wreaking havoc on communities, the floodwaters have ravaged farmlands and led to numerous livestock deaths, exacerbating the challenges faced by regions that recently grappled with prolonged drought. The aftermath of the flood includes the consumption of turbid and contaminated water, heightening the risk of waterborne diseases. In response, the #ImprovinaLives Initiative has contributed 1 tonne of Flocculant and 10,000 Chlorine Tablets to support Red Cross Kenya's ongoing emergency response to El Niño. This commitment underscores their dedication to reaching and assisting the most vulnerable communities affected by this crisis.







# THE SOLARIZATION OF GACHOIRE GIRLS BOREHOLE PUMP





achoire Girls High School recently underwent a transformative change as Davis & Shirtliff's Improving Lives Initiative successfully implemented the solarization of the school's 7.5kW borehole. This endeavor was in response to the school's appeal to mitigate the financial strain caused by exorbitant monthly power bills. Having relied on a seasonal river for their water supply, the school drilled and equipped a borehole, however the running costs of over KES 250,000 monthly caused significant financial strain. This financial respite is now being redirected towards expanding facilities, aiding needy students, and supporting community outreach. Gachoire Girls High School expressed gratitude for the impactful collaboration with Davis & Shirtliff, emphasizing the project's multifaceted benefits—enhancing operational efficiency, improving student welfare, and fostering sustainable agricultural practices through irrigation.















# REHABILITATION TODAY FOR A BETTER TOMORROW







## 3000

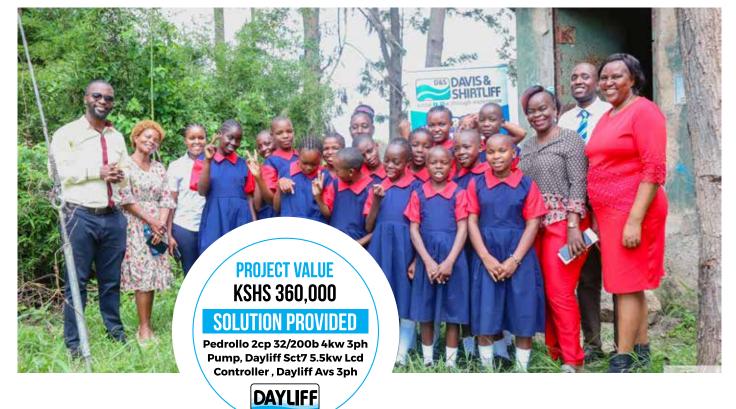
the number of community members from neighboring schools and families who have also benefitted.

the vast majority of young people who come into contact with the criminal justice system are from marginalized families and impoverished backgrounds. Rehabilitation centers, like Pendekezo letu in Kenya's Kiambu County, ensure that street connected youth are offered psychosocial support and are empowered to gain functional and leadership skills, education and the support they require to succeed. The improving lives initiative partnered with Kite Child International to rehabilitate the center's pumping system. This rehabilitation has directly impacted 100 girls, 20 teenage mothers and 17 staff members. Indirectly, the project has improved the lives of about 3000 community members from neighboring schools and families. One of the outcomes at Pendekezo Letu Rehabilitation center is ensuring that street connected youth become leaders who raise awareness on child rights and protection. During the handover ceremony, the center expressed gratitude to Davis & Shirtliff for their pivotal role in fostering a generation equipped with enhanced resources and knowledge for a brighter tomorrow.



















# **GATERO GIRLS HIGH SCHOOL**

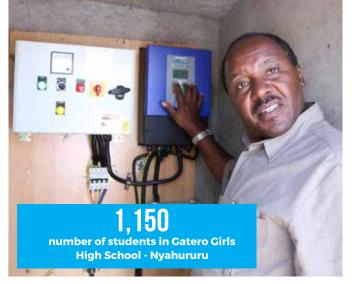




In alignment with Kenya Vision 2030 and the National Climate Change Action Plan, environmental protection has become a national priority to combat climate change threats. Nyahururu, a prominent agricultural hub, faces climate challenges, impacting farming practices. Gatero Girls High School, hosting 1150 students and 52 teachers, encounters limitations in government resources, affecting their ability to provide a balanced diet due to unpredictable rainfall patterns.

In commemoration of World Food Day 2023, Davis & Shirtliff's CSR team intervened. By converting the borehole to a hybrid solar system, our engineers addressed the school's agricultural challenges. This sustainable approach ensures consistent crop cultivation, and mitigates reliance on the grid. The investment promises increased food production, enhancing nutrition for the students and fostering resilience against climate change impacts.











**SOLUTION PROVIDED** 













# **QUENCHING THIRST, EMPOWERING MINDS**











In the heart of Embu County lies Kiambere Mixed Secondary School, a public school with an enrollment of 280 boys and girls. The journey to knowledge in this high school has been, for several years, mired by an acute water shortage, forcing both learners and the community to trek three hours for this essential resource. Their plea for a convenient water source reached Davis & Shirtliff, initiating a transformative collaboration with 'With My Own 2 Hands' foundation.

The foundation drilled a borehole, 200m deep, and the Improving Lives Initiative installed a 2.2kw solar powered borehole pump that is able to pump out 2000l of water per hour. Also a part of the project was Amerisolar, a Davis and Shirtliff supplier who donated the 11 solar panels of 280w each used in the installation. To ensure ownership, and sustainability, the school also contribute to the project by paying for the 3m galvanized steel structure used to hold the solar panels.

As a testament to the impact, Mary Ibaara, the assistant chief of Kiambere, shared her gratitude. Recalling the water

related conflicts and struggles, she celebrated the solar-powered borehole pump as a game-changer, foreseeing improved academic performance and a united community. This project, serving 5,000 people, is fostering a brighter

future for Kiambere.

Solar powered borehole pump installed.

PROJECT VALUE KSHS 1,140,000

#### **SOLUTION PROVIDED**

Dayliff DS3-33 2.2kW Pump End, DSM 2.2kW Motor, SV3 3.7kW 1PH Sunverter, Solar Steel Structure 3m, 335W Solar Modules - 9pcs



### #IMPROVINGLIVES REPORT - 2023













## **KIWALWA VILLAGE**



#### Nur W. Riday,

CSR Co-ordinator,

Davis & Shirtliff

P.O. Box 41762-00100

NAIROBI, KENYA.

20th February 20, 2023

Dear Madam,

## REF: <u>APPRECIATION FOR THE COMPLETION OF THE CSR PROJECTS AT KIWALWA VILLAGE IN TAVETA SUB-COUNTY.</u>

It is with great humility and profound gratitude that I write to acknowledge and appreciate the solarization and automation of two boreholes in my community. Your team and especially your Voi Branch office led by their manager Mr. Michael Wajwang'a did a tremendous job. They sacrificed their time and were always available even on short notices to support and delivering on the projects.

One borehole is serving the primary and secondary schools together with the neighborhoods while the other is serving the community and two churches. The projects were launched on 27<sup>th</sup> October 2021 and 04<sup>th</sup> February 2023 respectively. The two boreholes will provide water to a population of around 3000 people after the connection network is complete. This will not only ensure availability of clean and safe water but will also help them grow trees in their compounds which will help in the reducing the global warming effect. Additionally, some have started some small scale farming within their homes thus helping them economically.

My community has truly felt the slogan of your CSR Department "Improving Lives." These projects will improve the lives of the people and the environment at large.

The community through their established committees have committed to take good care of the facilities and ensure their sustainability.

Kindly, receive our utmost and sincere gratitude for your philanthropic and kind gesture towards Kiwalwa Village.

We hope that we shall be considered for future CRSs services.

Thank you.

#### Fednarnd Chikira Mlati

The Project Coordinator



















# RAYS OF RESILIENCE - DAVIS & SHIRTLIFF'S SOLAR INITIATIVE AT MARY IMMACULATE RESCUE CENTER



ver 300kms from Kenya's capital, Mary Immaculate Rescue Center stands as a sanctuary for girls fleeing the dreadful clutches of child marriage, F.G.M., and child labor. In the arid expanse of Suguta Mar-Mar, where resilience defines survival, the center, and the local community grapples with severe water scarcity relying on neighboring villages for water supply. To get this water, women trek six grueling kilometers daily.

In a collaborative effort, With My Own 2 Hands Foundation, Davis & Shirtliff, and Amerisolar have donated a solar powered borehole to the center, bringing a much-needed resource closer to home. As in previous projects, the foundation drilled the borehole, the Improving Lives Initiative donated and installed the pumping system, and Amerisolar donated the solar panels required for the project.

During the project handover event, a profound mentorship session was led by Mathew Ndongu, a representative from Davis & Shirtliff. Amidst the resonating narratives of hardship, the girls were reassured of a brighter future ahead. At Mary Immaculate, hope is not merely a concept, it's a tangible reality forged by the hardworking care givers and the brave young girls who dared to challenge a destiny that was pre-set for them by others.

















# **1500 TREES BLOSSOM ON WORLD WATER DAY**





# NURTURING NUTRITION AND GROWTH AT LAMU BOYS SECONDARY SCHOOL



n a country where malnutrition remains a pressing issue, promoting proper nutrition among children and vulnerable populations is vital. Nutrition interventions can have long-term positive effects on productivity, economic growth, and breaking the cycle of poverty in Kenya.

Lamu Boys Secondary School is a publicly funded school in Kenya's highly popular coastal town with an enrollment of 350 pupils. The improving Lives initiative has recently implemented a drip irrigation

project at no cost to the school. By leveraging the ¼ acre irrigation system, the school will be able to use a small amount of water to farm and grow enough food to supplement the school's feeding program. During the handover ceremony, the school noted that beyond benefiting the school, this endeavor promises a broader positive impact on the local

**PROJECT VALUE** 



community.



# MUUMANDU RE-AFFORESTATION PROJECT









he environment has been under threat due to increased dependence on natural resources to meet basic needs. Consequently, more organizations need to come out and promote environmental conservation through tree planting. In this regard, the D&S #ImprovingLives Initiative has partnered with Isuzu EA to re-afforest Muumandu Hill Forest. The initiative has partially donated a solar pumping system which will be a great resource in the re-afforestation of about 70 hectares of the forest. The system comprises a Dayliff DS5-44 4KW Pump and Motor, powered by 22 Dayliff panels of 280W each. The availability of the solar powered borehole will ensure that the initiative is well sustained, under the governance of the Kenya Forest Service.



# PROJECT VALUE KSHS 1,280,000

#### **SOLUTION PROVIDED**

Dayliff DSS2-65 3kW Pump, 20 \* Dayliff 280w Polycrystalline Module, Galv. Steel Ground Mount 3M Structure, 47 \* 1.25" Standard 3m Pipe, Dayliff SV3 3.7kW





56,000
the number of lives which have been impacted by the project









## **SUSTAINABLE SOLUTIONS IN ARID OLTEPESI**



estled in Oltepesi, 60 kilometers from Rongai town in Kenya, Olomayana community live a peaceful life in the vast plains of Kajiado County. As in most parts of Kajiado, Oltepesi is arid, and water is a scarce and most precious resource. The Olomayana Community had been relying on a community borehole for their daily water needs. Unfortunately, the pumping system broke down and the community's sole source of water was now stalled. Upon troubleshooting, Davis and Shirtliff identified motor and cable issues that needed replacement and ensured that the available solar panels were properly wired for the correct operation of the entire pumping system. The firm also noted the neediness of the community, and it provided assistance through its #ImprovingLives initiative to procure, replace and repair the items required. The rehabilitation of this borehole has restored water to about 400 homesteads, with about 1000 adults and 3,000 children. Situated close to the borehole is Olomayana primary school, which will also benefit from the rehabilitation.

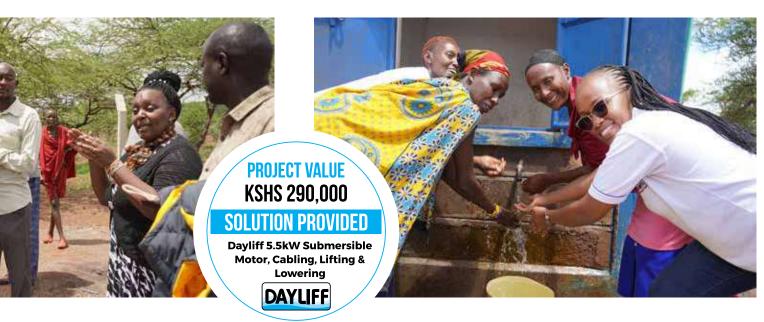






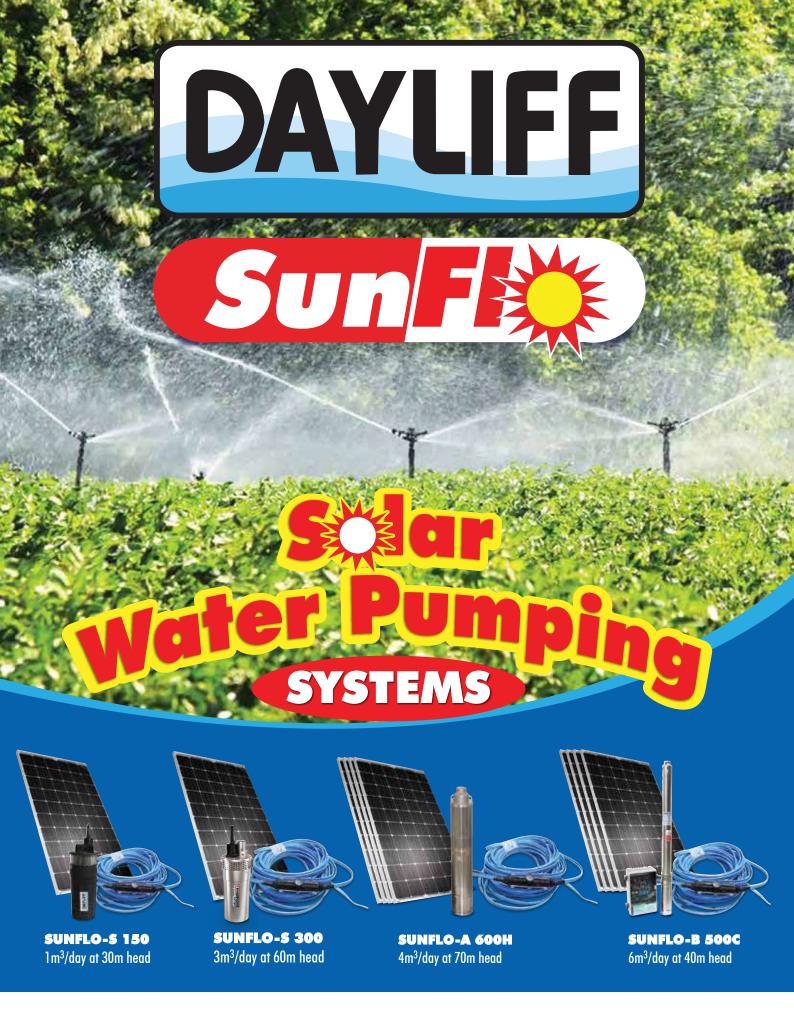














Visit Davisandshirtliff.com for more details

### **PARTNERS**

#### Davis & Shirtliff would like to thank its partners who contributed to some of the projects included in this report







































































# **WISH TO BECOME A**

Should you wish to support us, please contact our CSR Office on 0711 079 154

or email CST@dayliff.com

You will be provided with further details, the options being contributions to D&S managed projects or a project of your own.



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on 0711 079 154 or email csr@dayliff.com You will be provided with further details



