



Group Chairman Alec Davis recently visited key supplier Pedrollo in San Bonifacio and is pictured with Africa Export Director Dr Moustapha Tounkara and Pedrollo Group CEO Giulio Pedrollo. The Davis & Shirliff Group is one of Pedrollo's largest Global customers and continues to distribute and support the brand in the region.

FROM THE CHAIRMAN



September is a busy time for the D&S Group as we move into Q4 and start the annual Planning process, always an important period for us. The year so far has not been without its challenges, especially in Kenya with its constraining economic conditions and market disruptions, though D&S continues to progress as it keeps investing for the future. Particularly we have recently established the new **D&S Tanzania Distribution centre and Head Office** at a new site in Mwenge, Dar-es-salaam and I am grateful to MD **Ben Munyao** for this excellent development that will lift the business to another level. We have also opened a new subsidiary in **Burundi** driven by International Business Director **Anthony Wangonde** and managed by **Edorth Kwizera**, now the eleventh country we have direct activities in! Our flagship project, the new **Engineering Centre** at Tatu is also progressing apace and this will be another D&S gamechanger that will provide the

resource base to support our Digital aspirations.

Today the effects of climate change are being noticed everywhere, a key focus to address this being reducing carbon emissions. Maybe not widely appreciated is that pumps are the world's most common machines that have a significant carbon footprint and improving their efficiency will make a significant contribution. D&S is committed to this process through the introduction of **Smart pumps**, the energy and cost savings over a pump's life being very substantial. Solar power is the other area of savings and with the ever-decreasing cost of PV **solar pumps** are now excellent solutions even where grid power is available. There is a revolution taking place in pumping technology and D&S is proud to be leading the industry in providing high efficiency pumping solutions.

PRODUCT INNOVATIONS

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SMART PUMPING SOLUTIONS

While basic centrifugal pump design has not changed significantly for many years, great strides forward have recently been made in the area of **pump control** with **smart pump technology** now available in several new models from **Dayliff**. Using **inbuilt sensors**, **permanent magnet motors** and **variable speed control**, the new smart pumps combine **high performance** and **high efficiency** in sleekly packaged new designs which offer users plug and play installation, maximum operating convenience and multiple control features. Available now across the range including for **domestic booster**, **submersible** and **commercial** solutions, Dayliff smart pumps are made available at affordable prices across the D&S network.



DBE



DSMART



DIX



DSX



D&S/USAID PARTNERSHIP

USAID implementing partner **RTI/Power Africa** have selected Davis & Shirliff to conduct a series of **capacity building initiatives** in the solar technology ecosystem. On account of its wide footprint in the region, technical training competence and **solar technology expertise**, the D&S Group is an ideal partner providing a natural fit to the wider objectives of USAID and its affiliates. The first training session, conducted at the D&S Head Office training centre was carried out in August with sixty solar professionals with several more regional sessions planned. Pictured are D&S team led by Group CEO **George Mbugua** and Managing Director **Edward Davis** and **Power Africa** team led by Chief of Party **Dawid Pieterse** after a briefing.



D&S OPENS NEW BRANCHES



Rusizi, Rwanda



Bujumbura, Burundi

Under International Development Director **Anthony Wangondy**, several new branches have recently opened in **Bujumbura** (Burundi), **Rusizi** (Rwanda) and **Ntinda**

(Uganda). The new branches will deliver on the D&S commitment to bring its range of water and energy solutions closer to those who need them in the wider region.

COAST SOLAR PROJECT

Davis & Shirliff Mombasa, led by Manager **Yusuf Siraj**, recently supplied and installed a comprehensive solar solution at a Petrol station in the Coast region. This state-of-the-art system includes a 30kVA Growatt Hybrid inverter, a 26kW solar PV system and Lithium Ion batteries. The installation offers numerous benefits, including significant energy cost savings and a dependable power supply. By utilizing solar energy, the Petrol station is reducing its carbon footprint and contributing to environmental sustainability. Installations like this one align with global efforts to embrace renewable energy, ensuring a cleaner, greener future for the community.



WATER PROJECT TRANSFORMS LIVES IN EMPAKASI



Davis & Shirtliff, together with partners **Lavington Eco Rotary Club** and **Acacia Moyo**, have implemented a solar powered borehole pumping system at **Empakasi Primary** that has increased access to water for hundreds of pupils and community members and also facilitated economic growth in the local community.

According to **Kenny Mann**, co-founder of Acacia Moyo 'The water that is now being accessed from Empakasi Primary School, is affording the pupils drinking, bathing and cooking water as well as being used for Acacia Moyo's community bee keeping project. With collaboration from the Kajiado County Beekeeping Cooperative, the project will result in additional income for several community members'.

SOLAR WATER HEATERS FOR ALICE VILLAGE



Through its **Improving Lives initiative**, Davis & Shirtliff collaborates with various partners to enhance the living circumstances of children in need. Its partnership with **Twins International** has resulted in the donation of 5 solar water heaters to Alice Village, an orphanage which is home to 100 children between the ages of 3 - 18. The solar hot water systems have curbed the persistent health conditions caused by cold weather, benefiting the children under care, and facilitated future referrals of children by the Government's Children Office.

Present during the colorful handover ceremony were Davis & Shirtliff's Utawala Branch Manager, **Winfred Rono**, and Sales Engineer, **Millicent Olang'**, together with staff from both the Alice Village and Twins International.

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METERING FOR SUPERMARKET CHAIN



D&S Digital Engineering continues to extend the range of solutions including deployment of **power metering** for a major supermarket chain in Kenya. The multinational has a commitment to lower CO₂ emissions in line with net zero targets. Consequently, there was need to integrate energy monitoring of 20 stores in Kenya to their global **Retail Integrated Management Platform (IMP)**. D&S has supplied and configured power meters and communication gateways for secure integration to IMP

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PREPAID METERING FOR APARTMENT BLOCK



D&S Mombasa has completed deployment of a prepaid **water metering solution** for a new apartment block in Mombasa. The building consists of 88 apartments sold to residential and buy-to-let investors presenting unique challenges in utility submetering management. The deployment features **Dayliff STS standard Prepaid Water Meters** and **Web-based Vending Platform** with **Mobile money integration**. The solution enforces prepayment and delivers usage reports to apartment management office enabling delivery of effective water service.



Did You Know ?

173,000 terawatts of solar energy hit the Earth continuously – that's greater than 10,000 times the world's total energy use.

BOREHOLE OPERATORS TRAINING



Action for Hunger, in collaboration with **Davis & Shirtliff**, have sponsored a 3-day training for sub-county water officers, WASH engineers, and borehole officers in Elwak, Mandera County. Pictured after the event is D&S Mandera branch manager **Abdikadir Diriye** with the team.

NAIROBI MARATHON WARMUP EXPO



Davis & Shirtliff Tatu DC have provided sponsorship for the inaugural **Tatu City/Standard Chartered Nairobi Marathon Warm-up Run**. The event featured a vibrant race village where D&S exhibited and facilitated engagement with over 3,000 participants.

INNOVATIVE SOLUTIONS: BATTERY-FREE RO PLANT



D&S Technical division have unveiled its revolutionary new **Dayliff Battery free Solar-Powered Reverse Osmosis Plant**. The innovative and sustainable solution harnesses solar energy and produces clean potable water to WHO standards. Pictured is the Engineering Manager **Dickson Marangu** and his team with the system.

CONSULTING ENGINEERS DINNER



Consultants play a vital role in offering strategic expertise to all engineering projects and D&S has hosted a consultants' dinner to discuss relevant issues, challenges and emerging technologies. Pictured is the team led by MD **Edward Davis** at the event at **Sarova Pan Afric Hotel**, Nairobi.

D&S MOMBASA STOCKIST DINNER



D&S prioritizes making products readily available to customers, with **accredited stockists** serving as crucial distribution partners. D&S Coast have hosted a dinner at Premium Inn Hotel to appreciate Stockists, with top partners being recognized with prizes. Pictured at the event is MD **Edward Davis**, Coast Director **Mohamed Farook** and partners.

PEDROLLO HT PUMP SETS



In partnership with renowned Italian pump manufacturer **Pedrollo**, D&S Technical has commenced local assembly of premium pressure sets. Pictured is a set combining **Pedrollo pumps** with **Dayliff Pumpverter** controllers, with flows of up to 96m³/h and pressures of 15bar, that will provide irrigation for a new golf course. Pictured is Engineer **Lilian Mukoya** and Technician **Daniel Ndegwa**.

D&S WESTLANDS RO PLANT



Reverse Osmosis is a popular method for treating water by removing impurities including dissolved minerals. D&S recently supplied and installed a 4000m³/hr system at a housing estate to ensure pure water for its residents. Pictured during the commissioning is D&S Westlands Branch Manager **Christopher Muli** with **Jaffer Ahmed** on-site.

D&S HO SERVICE PROVIDERS TRAINING



Service providers are vital intermediaries, providing customers with the installation and support expertise they need to optimize the use of their D&S solution. In order to maintain high standards, **D&S provides training and guidance** to accredited Service Providers of whom over 100 are pictured after a successful event at Head Office.